UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

AMENDMENT NO. 1

to

FORM S-1

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

NUWELLIS, INC.

(Exact name of registrant as specified in its charter)

Delaware

3845

(State or Other Jurisdiction of Incorporation or Organization)

(Primary Standard Industrial Classification Code Number)

(I.R.S. Employer Identification Number)

68-0533453

12988 Valley View Road Eden Prairie, Minnesota 55344 (952) 345-4200

(Address, Including Zip Code, and Telephone Number, Including Area Code, of Registrant's Principal Executive Offices)

Nestor Jaramillo, Jr. **Chief Executive Officer** Nuwellis, Inc. 12988 Valley View Road Eden Prairie, Minnesota 55344 (952) 345-4200

(Name, Address, Including Zip Code, and Telephone Number, Including Area Code, of Agent for Service)

Copies to:

Phillip D. Torrence Honigman LLP 650 Trade Centre Way, Suite 200 Kalamazoo, MI 49002 Tel: (269) 337-7700 Fax: (269) 337-7703

Neil P. Ayotte Senior Vice President, General Counsel. Secretary and Chief Compliance Officer Nuwellis, Inc. 12988 Valley View Road Eden Prairie, Minnesota 55344 Tel: (952) 345-4200

David E. Danovitch Aaron M. Schleicher Shu Wei Sullivan & Worcester LLP 1633 Broadway New York, New York 10019 (212) 660-3060

Approximate date of commencement of proposed sale to the public: As soon as practicable after this registration statement is declared effective.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, check the following box:

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering, \Box

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. \Box

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer \Box

Accelerated filer \Box

Non-accelerated filer ⊠

Smaller reporting company ⊠

Emerging growth company \Box

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act. 🗆

The registrant hereby amends this registration statement on such date or dates as may be necessary to delay its effective date until the registrant shall file a further amendment which specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until the registration statement shall become effective on such date as the Securities and Exchange Commission, acting pursuant to said Section 8(a), may determine.

The information contained in this preliminary prospectus is not complete and may be changed. We may not sell these securities until the registration statement relating to these securities filed with the Securities and Exchange Commission is effective. This preliminary prospectus is not an offer to sell these securities and they are not soliciting an offer to buy these securities in any jurisdiction where any such offer or sale is not permitted.

SUBJECT TO COMPLETION, DATED SEPTEMBER 29, 2023

PRELIMINARY PROSPECTUS



Restoring Fluid Balance. Transforming Care.®

NUWELLIS, INC. Up to 400,000 Units Consisting of 400,000 Shares of Series J Convertible Redeemable Preferred Stock with a Liquidation Preference of \$25.00 and 400,000 Warrants to Purchase 200,000 Shares of Series J Convertible Preferred Stock 200,000 Shares of Series J Convertible Preferred Stock Underlying the Warrants 967,821 Shares of Series J Convertible Preferred Stock Issuable as PIK Dividends 25,617,993 Shares of Common Stock Underlying the Series J Convertible Preferred Stock

We are offering up to 400,000 units ("Unit(s)") on a best efforts basis, with each Unit consisting of one share of our Series J Convertible Redeemable Preferred Stock, par value \$0.0001 per share, with a liquidation preference of \$25.00 per share (the "Series J Convertible Preferred Stock"), and one warrant (each, a "Warrant") to purchase one-half of one (0.50) share of our Series J Convertible Preferred Stock in this offering pursuant to this prospectus. Accordingly, the 400,000 Units consist of 400,000 shares of Series J Convertible Preferred Stock and 400,000 Warrants with an assumed exercise price of \$7.50 per one-half of one share to purchase 200,000 shares of Series J Convertible Preferred Stock and 400,000 Warrants with an assumed exercise price of \$7.50 per one-half of one share to purchase 200,000 shares of Series J Convertible Preferred Stock. The assumed public offering price for each Unit is \$15.00. The Units have no stand-alone rights and will not be certificated or issued as stand-alone securities. The Series J Convertible Preferred Stock and Warrants are immediately separable and will be issued separately in this offering. The Warrants offered hereby will be immediately exercisable on the date of issuance and will expire three (3) years from the closing date of this offering (the "Closing Date").

The assumed public offering price of \$15.00 per Unit reflects the issuance of the Series J Convertible Preferred Stock with an original issue discount ("OID") of 40%. The Series J Convertible Preferred Stock will not have voting rights, except as required by Delaware law and other limited circumstances.

Dividends on the Series J Convertible Preferred Stock shall be paid in-kind ("PIK dividends") in additional shares of Series J Convertible Preferred Stock based on the stated value of \$25.00 per share at an assumed dividend rate of 20% per annum (the "Dividend Rate"). The PIK dividends will be paid on a quarterly basis for three (3) years following the Closing Date to holders of the Series J Convertible Preferred Stock of record at the close of business on October 31, January 31, April 30, and July 31 of each year (the "Dividend Record Dates") at the quarterly dividend rate of 5% (the "Quarterly Dividend Rate"). PIK dividends and nonassessable, registered shares of Series J Convertible Preferred Stock in a number equal to the quotient obtained by dividing (A) the product obtained by multiplying (i) the Quarterly Dividend Rate and (ii) the stated value of \$25.00 per share, by (B) the public offering price per Unit (equal to \$15.00, based on the assumed public offering price per Unit).

The Series J Convertible Preferred Stock has a term of three (3) years and is convertible at the option of the holder at any time into shares of our common stock at a conversion price equal to the closing price of our common stock on the Nasdaq Capital Market on the date on which the registration statement of which this prospectus forms a part is declared effective by the Securities and Exchange Commission. The assumed fixed conversion price of \$1.53, which assumed conversion price is based on the closing price of our common stock on September 27, 2023, is subject to adjustment. The Series J Convertible Preferred Stock is redeemable under the circumstances described under "Description of Securities Being Offered—Series J Convertible Preferred Stock Being Offered Pursuant to this Prospectus—Mandatory Redemption".

This offering also includes the Series J Convertible Preferred Stock issuable from time to time upon exercise of the Warrants and shares of common stock issuable from time to time upon conversion of the Series J Convertible Preferred Stock.

We refer to the shares of our Series J Convertible Preferred Stock, the shares of our common stock issuable upon conversion of the Series J Convertible Preferred Stock, the Warrants and the shares of our Series J Convertible Preferred Stock issued or issuable upon exercise of the Warrants, collectively, as the securities.

Because this is a best efforts offering, the placement agents do not have an obligation to purchase any securities, and, as a result, there is a possibility that we may not be able to sell the securities. We expect that the offering will end two trading days after we first enter into a securities purchase agreement relating to the offering and the offering will settle delivery versus payment ("DVP")/receipt versus payment ("RVP"). Accordingly, we and the placement agents have not made any arrangements to place investor funds in an escrow account or trust account since the placement agents will not receive investor funds in connection with the sale of the securities offered hereunder.

Our common stock trades on the Nasdaq Capital Market under the ticker symbol "NUWE". On September 27, 2023, the last reported sale price for our common stock on the Nasdaq Capital Market was \$1.53 per share. There is no established trading market for, and we do not expect a market to develop for, the Series J Convertible Preferred Stock or the Warrants. In addition, we do not intend to list the Series J Convertible Preferred Stock or the Warrants on The Nasdaq Capital Market or any other national securities exchange or any other nationally recognized trading system.

We have engaged Lake Street Capital Markets, LLC and Maxim Group LLC as placement agents (the "placement agents") to use their reasonable best efforts to arrange for the sale of the securities offered by this prospectus. The placement agents are not purchasing or selling any of the securities we are offering and the placement agents are not required to arrange the purchase or sale of any specific number or dollar amount of securities. We have agreed to pay to the placement agents the placement agent sets est forth in the table below, which assumes that we sell all of the securities offered by this prospectus. There is no arrangement for funds to be received in escrow, trust or similar arrangement. See "Plan of Distribution" in this prospectus for more information.

Investing in our securities involves a high degree of risk. Before making any investment in our securities, you should read and carefully consider the risks described in this prospectus under the section of this prospectus entitled "Risk Factors" on page <u>13</u> of this prospectus, as well as the other information included or incorporated by reference in this prospectus, before buying any of our securities.

	Per Unit	Total
Public offering price	\$15.00	\$6,000,000
Placement agent fees ⁽¹⁾	\$ 1.20	\$ 480,000
Proceeds, before expenses, to us ⁽²⁾	\$13.80	\$5,520,000

(1) Represents a cash fee equal to 8% of the aggregate purchase price paid by investors in this offering. We have also agreed to reimburse the placement agents for certain of their offering-related expenses. See "Plan of Distribution" beginning on page <u>54</u> of this prospectus for a description of the compensation to be received by the Placement Agent.

(2) The amount of offering proceeds to us presented in this table does not give effect to any exercise of the Warrants.

Neither the SEC nor any state securities commission has approved or disapproved of these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

Delivery of the securities is expected to be made on or about , 2023.

LAKE	STREET
------	--------

The date of this prospectus is

, 2023

MAXIM GROUP LLC

ABOUT THIS PROSPECTUS	<u>ii</u>
PROSPECTUS SUMMARY	<u>1</u>
SUMMARY OF RISK FACTORS	<u>11</u>
RISK FACTORS	<u>13</u>
CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS	<u>22</u>
USE OF PROCEEDS	<u>23</u>
DIVIDEND POLICY	<u>24</u>
CAPITALIZATION	<u>25</u>
SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT	<u>27</u>
DESCRIPTION OF SECURITIES BEING OFFERED	<u>28</u>
DESCRIPTION OF CAPITAL STOCK	<u>38</u>
MATERIAL U.S. FEDERAL INCOME TAX CONSEQUENCES	<u>45</u>
PLAN OF DISTRIBUTION	<u>54</u>
LEGAL MATTERS	<u>60</u>
<u>EXPERTS</u>	<u>60</u>
WHERE YOU CAN FIND ADDITIONAL INFORMATION	<u>60</u>
INFORMATION INCORPORATED BY REFERENCE	<u>61</u>

i

ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement on Form S-1 that we filed with the Securities and Exchange Commission ("SEC"). It omits some of the information contained in the registration statement and reference is made to the registration statement for further information with regard to us and the securities being offered hereby. You should review the information and exhibits in the registration statement for further information about us and the securities being offered hereby. Statements in this prospectus concerning any document we filed as an exhibit to the registration statement or that we otherwise filed with the SEC are not intended to be comprehensive and are qualified by reference to the filings. You should review the complete document to evaluate these statements.

You should not assume that the information contained in this prospectus is accurate on any date subsequent to the date set forth on the front of the document or that any information we have incorporated by reference is correct on any date subsequent to the date of the document incorporated by reference, even though this prospectus is delivered or securities are sold on a later date. Our business, financial condition, results of operations and prospects may have changed since those dates.

You should read this prospectus, any documents that we incorporate by reference in this prospectus and the additional information described below under "Where You Can Find Additional Information" and "Information Incorporated By Reference" before making an investment decision. You should rely only on the information contained or incorporated by reference in this prospectus and any free-writing prospectus that we authorize to be distributed to you. This prospectus is not an offer to sell these securities and it is not soliciting an offer to buy these securities in any jurisdiction where the offer or sale is not permitted.

For investors outside of the United States: We have not, and the placement agents have not, done anything that would permit this offering or possession or distribution of this prospectus in any jurisdiction where action for that purpose is required, other than in the United States. Persons outside the United States who come into possession of this prospectus must inform themselves about, and observe any restrictions relating to the offering of the securities and distribution of this prospectus outside the United States.

We obtained industry and market data used throughout and incorporated by reference into this prospectus through our research, surveys and studies conducted by third parties and industry and general publications. We have not independently verified market and industry data from third-party sources.

ii

PROSPECTUS SUMMARY

This summary highlights information contained elsewhere in this prospectus and does not contain all of the information that you should consider in making your investment decision. Before deciding to invest in our securities, you should read this entire prospectus carefully, including our financial statements and related notes incorporated herein by reference, the information in the section "Risk Factors" and our filings incorporated by reference herein to which we have referred you in the sections "Where You Can Find Additional Information" and "Information Incorporated by Reference." Unless the context otherwise requires, references in this prospectus to the "Company," "NUWE," the "registrant," "we," "us" and "our" refer to Nuwellis, Inc.

Company Overview

We are a medical technology company dedicated to transforming the lives of patients suffering from fluid overload through science, collaboration, and innovative technology. The company is focused on developing, manufacturing, and commercializing medical devices used in ultrafiltration therapy, including the Aquadex FlexFlow[®] and the Aquadex SmartFlow[®] systems (collectively the "Aquadex System"). The Aquadex SmartFlow[®] system is indicated for temporary (up to eight hours) or extended (longer than 8 hours in patients who require hospitalization) use in adult and pediatric patients weighing 20 kg. or more whose fluid overload is unresponsive to medical management, including diuretics.

Fluid Overload

Fluid overload, also known as hypervolemia, is a condition in which there is too much fluid in the blood, vital organs, and interstitial space, and generally refers to the expansion of the extracellular fluid volume. Although the body does need some amount of fluid to remain healthy, too much can cause an imbalance and damage to an individual's health.

The signs and symptoms of fluid overload are not always the same in each patient and may vary. However, possible signs and symptoms of fluid overload include pulmonary edema/pleural effusion, peripheral edema, anasarca (swelling of the skin) ascites, jugular vein distention and dyspnea. Medical conditions or diseases where excess fluid accumulates in the body are heart failure, kidney failure, nephrotic syndrome, cirrhosis, or burn injuries/trauma. Individuals may also suffer from temporary fluid overload following certain surgical procedures, such as cardiac surgery. The diagnosis of fluid overload can be made through a variety of tests/exams such as a physical exam (weight and edema), blood chemistry, electrocardiogram (ECG or EKG), glomerular filtration rate (GFR), liver enzymes, and urinalysis, or serum/urine sodium test. Fluid overload has a significant association with the combined events of death, infection, bleeding, arrhythmia, and pulmonary edema¹ and is a leading cause of hospital readmissions with patients suffering from heart failure and patients following cardiac surgery.

The condition of fluid overload is often observed in patients with heart failure and secondary oliguric states.² Most of the symptoms of congestive heart failure result from extracellular fluid volume. For this reason, diuretics have been the cornerstone of heart failure treatment for more than 50 years. Over the past 20 years, approaches to treatment have changed dramatically.³ These dramatic improvements include new medications and new technologies, such as ultrafiltration, to help treat fluid overload. Each year there are over 1 million heart failure hospitalizations in the United States, and 90% of those hospitalizations are due to symptoms of fluid overload.⁴ These patients are hospitalized on average for 8.3⁵ days at a cost of approximately \$24,000⁶, to which reimbursement will only cover about 34%⁶ of that cost. On top of that, there is a 24% readmission rate in which the hospitals absorb another cost but do not get reimbursed.⁷

- ³ Ellison DH. Diuretic therapy and resistance in congestive heart failure. Cardiology.2001;96:132-143.
- ⁴ Costanzo MR, et al. J Am Coll Cardiol. 2017 May 16;69(19):2428-2445.

⁵ From Premier Applied Sciences database.

⁶ Reimbursement estimates from MCRA.

¹ Stein, A, et. al. Critical Care, 2012:16:R99.

² Ronco C, Costanzo MR, Bellomo R, et al. (2010) Fluid Overload Diagnosis and Management. Basel, Switzerland: Karger.

Costanzo MR, et al. J Am Coll Cardiol. 2017 May 16;69(19):2428-2445.

Treatments for Fluid Overload

Diuretics

Treatment for fluid overload has traditionally been achieved through use of oral or loop diuretics which may be accompanied by use of other categories of medications, such as ACE inhibitors, beta-blockers, and inotropic drugs. Although diuretics are the mainstay of treatment for congestion or fluid overload, no randomized trials have shown the effects of diuretics on mortality in chronic heart failure patients. Furthermore, appropriate titration of diuretics, specifically in the heart failure population, is unclear. Increasing concern exists that diuretics, particularly at high doses, may be deleterious in the inpatient setting. In addition, patients with heart failure and cardiorenal syndrome have diminished response to loop diuretics, making these agents less effective at relieving congestion.⁸Also, long term use of diuretics has been associated with kidney damage.⁹ Approximately 40% of heart failure patients have poor diuretic response.¹⁰ This poor response is possibly due to noncompliance or high intake of salt, poor drug absorption, insufficient kidney response to drug, and reduced diuretic secretion.¹¹ Despite treatment with loop diuretics, patients are frequently hospitalized and treated for recurrent symptoms and signs of fluid overload. Among more than 50,000 patients enrolled in the Acute Decompensated Heart Failure National Registry ("ADHERE") study, only 33% lost \geq 2.27 kg. (5 lbs.), and 16% gained weight during hospitalization.¹²

Nearly one-half of hospitalized patients with heart failure are discharged with residual fluid excess after receiving conventional diuretic therapies.¹³ Additionally, one study found that 24% of such patients were readmitted to the hospital within 30 days of their discharge, and 50% were readmitted within 90 days.⁸ Regardless of diuretic strategy, 42% of acutely decompensated heart failure subjects in the DOSE (Diuretic Optimization Strategies Evaluation) trial reached the composite endpoint of death, rehospitalization, or emergency department visit at 60 days.¹⁴ There is an association of chronic loop diuretic therapy and greater resource utilization at hospitals.¹⁵ Therefore, an alternative therapy to help stabilize or improve patient care is needed.

Ultrafiltration

Ultrafiltration, or aquapheresis, is an alternative therapy to diuretics for fluid removal in patients with volume overload. Ultrafiltration has been a well-documented technique in the treatment of fluid overload in heart failure patients for over 20 years.¹⁶ Ultrafiltration is a safe and effective alternative therapy to remove extra fluid and salt by gently filtering blood through an ultrafiltration system. With ultrafiltration, medical practitioners can specify and control the amount of fluid to be extracted at a safe, predictable, and effective rate. The use of ultrafiltration therapy in subgroups of patients, such as heart failure and post-cardiac surgery, has demonstrated clinical benefits in treating fluid overload signs and symptoms. In addition to the clinical benefits of ultrafiltration, the therapy provides economic advantages. One hospital cost analysis demonstrated a total cost savings of \$3,975, or 14.4%, per patient when using ultrafiltration as compared to diuretic therapy over 90 days.¹⁷

The Aquadex System

The Aquadex System is designed and clinically proven to simply, safely, and precisely remove excess fluid (primarily excess salt and water) from patients suffering from fluid overload who have failed diuretic therapy.

- ⁸ Kamath SA. The role of ultrafiltration in patients with decompensated heart failure. Int J of Nephrol. 2011.
- ⁹ Felker MG. Diuretics and ultrafiltration in acute decompensated heart failure J Am Coll Cardiol 2012 Jun 12;59(24):2145-53.
- ¹⁰ Testani JM, Hanberg JS, Cheng S, et al. Rapid and highly accurate prediction of poor loop diuretic natriuretic response in patients with heart failure. Circ Heart Fail. 2016 Jan;9(1):e002370.
- ¹¹ Hoorn EJ and Ellison DH. Diuretic Resistance. Am J Kidney Dis. 2017;69(1):136-142.
- ¹² Costanzo MR, Ronco C, Abrahman WT, et al. Extracorporeal ultrafiltration for fluid overload in heart failure. J Am Coll Cardiol. 2017;69(19):2428-2445.
- ¹³ Gheorghiade M, Filippatos G. Reassessing treatment of acute heart failure syndromes: the ADHERE registry. Eur Heart J Suppl. 2005; 7:B13– 19.
- ¹⁴ Felker GM, Lee KL, Bull DA, et al. Diuretic strategies in patients with acute decompensated heart failure. N Engl J Med. 2011; 364:797–805.
 ¹⁵ Costanzo MR, Guglin ME, Saltzberg MT, et al. Ultrafiltration versus intravenous diuretics for patients hospitalized for acute decompensated heart failure. J Am Coll Cardiol. 2007; 49(6):675-683.
- ¹⁶ Agostoni PG, Marenzi GC, Pepi M, et al. Isolated ultrafiltration in moderate congestive heart failure. J Am Coll Cardiol. 1993; 21(2):424-431.
 ¹⁷ Costanza MR, et. al. Ultrafiltration vs. Diuretics for the Treatment of Fluid Overload in Patients with Heart Failure: A Hospital Cost Analysis. Value Health. 2018; 21 (Suppl 1):S167.

With the Aquadex System, medical practitioners can specify and control the amount of fluid to be extracted at a safe, predictable, and effective rate. The Aquadex System has been shown to have no clinically significant impact on electrolyte balance, blood pressure or heart rate.¹⁸ Unlike other forms of ultrafiltration, which typically require administration specifically by a nephrologist, the Aquadex System may be prescribed by any physician and administered by a healthcare provider, both of whom have received training in extracorporeal therapies.

Benefits of the Aquadex System

The Aquadex System offers a safe approach to treating fluid overload and:

- Reduces hospitalization by 81%¹⁹ compared to diuretics;
- Rehospitalizations with Aquadex were 48% lower than the national average at 30 days;¹⁹
- Reduces length of hospital stay when initiated early, resulting in average savings of \$3,975 (14%);²⁰⁻²¹
- No significant changes to kidney function;¹⁹
- Stabilizes or improves cardiac hemodynamics;²²⁻²⁵
- Predictably removes excess fluid;
- Safe, easy-to-use, and flexible in application;
- Provides complete control over rate and total volume of fluid removed by allowing a medical practitioner to specify the amount of fluid to be removed from each individual patient;
- Can be performed via peripheral or central venous access;
- Removes isotonic fluid (extracts sodium while sparing potassium and magnesium);²⁶
- Following ultrafiltration, neurohormonal activation is reset toward a more physiological condition and diuretic efficacy is restored;²⁷
- Provides highly automated operation with only one setting required to begin therapy;
- Utilizes a single-use, disposable auto-loading blood filter circuit that facilitates easy set-up; and
- Has a built-in console that guides the medical practitioner through the setup and operational process.

Components of the Aquadex System

The Aquadex System consists of:

- A console, a piece of capital equipment containing electromechanical pumps, an LCD screen and stand;
- A one-time disposable blood circuit set, an integrated collection of tubing, filter, sensors, and connectors that contain and deliver the blood from and back to the patient; and
- A disposable catheter, a small, dual-lumen, extended length catheter designed to access the peripheral venous system of the patient and to simultaneously withdraw blood and return filtered blood to the patient.

SAFE Trial: Jaski BE, et al. J Card Fail. 2003 Jun; 9(3): 227-231; RAPID Trial: Bart BA, et al. J Am Coll Cardiol. 2005 Dec 6; 46(11): 2043-2046.

- ¹⁹ Watson R et al. *J Cardiac Fail*. 2020; 26(10): s56.
- ²⁰ Kiziltepe, U, et al. *Ann Thorac Surg.* 2001;71(2): 684-93.
- ²¹ Sahoo, TK, et al. Indian J Thorac Cardiovas Surg. 2007;23(2): 116-24.
- ²² Boga et al. *Perfusion*. 2000;15:143-50.
- ²³₂₃ Onoe et al. *Perfusion*. 2001;16:37-42.65.
- ²³₂₅ Costanzo MR et al. *JACC*. 2005; 46(11); 2457-51.
- ²⁵ Costanzo, et. al., ISPOR 23rd Annual Int'l Mtg., May 19-23, 2018, Baltimore, MD, USA.
- ²⁶ Ali SS, et al. Congest Heart Fail. 2009; 15(1):1-4.
- ²⁷ Marenzi G, et al. J Am Coll Cardiol. 2001 Oct; 38(4): 963-968.

The Aquadex blood circuit set is proprietary, and the Aquadex System can only be used with the Aquadex blood circuit set. The dual lumen extended length catheter (dELC) is designed for use with the Aquadex System, although it is one of many potential catheter options available to the healthcare provider.

Corporate Information

Nuwellis, Inc. was incorporated in Delaware on August 22, 2002. We began operating our business in November 1999 through Sunshine Heart Company Pty Limited, which was a wholly owned Australian subsidiary of Nuwellis, Inc. Our common stock began trading on the Nasdaq Capital Market on February 16, 2012.

Our principal executive offices are located at 12988 Valley View Road, Eden Prairie, Minnesota 55344, and our telephone number is (952) 345-4200. Our website address is www.nuwellis.com. Our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K and amendments to reports filed pursuant to Sections 13(a) and 15(d) of the Securities Exchange Act of 1934, as amended (the "Exchange Act") will be made available free of charge on our website as soon as reasonably practicable after we electronically file such material with, or furnish it to, the Securities and Exchange Commission ("SEC"). These reports are also available on the SEC's website, www.sec.gov. The information on, or that may be accessed through, our website is not incorporated by reference into and should not be considered a part of this prospectus or the registration statement of which it forms a part.

We are, and will remain, a "smaller reporting company" as long as our public float remains less than \$250 million as of the last business day of our most recently-completed second fiscal quarter. A smaller reporting company may take advantage of specified reduced reporting and other requirements that are otherwise applicable generally to U.S. public companies. As long as our public float remains below \$75 million as of the last business day of our most recently completed second fiscal quarter, we are exempt from the attestation requirement in the assessment of our internal control over financial reporting by our independent auditors pursuant to Section 404(b) of the Sarbanes-Oxley Act of 2002 ("SOX"), but are required to make our own internal assessment of the effectiveness of our internal control over financial reporting.

The Offering			
Units offered by us	Up to 400,000 Units, each consisting of one share of our Series J Convertible Preferred Stock (for a total of up to 400,000 shares of Series J Convertible Preferred Stock) and one Warrant (for a total of up to 400,000 Warrants) to purchase one-half of one share (0.5) of our Series J Convertible Preferred Stock (for a total of up to 200,000 shares of Series J Convertible Preferred Stock), on a best-efforts basis. The Units have no stand-alone rights and will not be certificated or issued as stand-alone securities. The Series J Convertible Preferred Stock and Warrants are immediately separable and will be issued separately in this offering.		
	This offering also relates to the shares of Series J Convertible Preferred Stock issuable as PIK dividends and the shares of common stock issuable upon conversion of the Series J Convertible Preferred Stock.		
Series J Convertible Preferred Stock– Original Issue Discount	The assumed public offering price of \$15.00 per Unit reflects the issuance of the Series J Convertible Preferred Stock with an original issue discount ("OID") of 40% of the stated value (\$25.00).		
Series J Convertible Preferred Stock– Maturity Date	The Series J Convertible Preferred Stock matures three (3) years from the Closing Date.		
Series J Convertible Preferred Stock- Conversion Rights	Each share of Series J Convertible Preferred Stock is convertible at the option of the holder at any time into shares of our common stock at a fixed assumed conversion price of \$1.53 (the "Conversion Price") (based on the closing price of our common stock on the Nasdaq Capital Market on September 27, 2023, which Conversion Price is subject to adjustment. The Conversion Price will equal the closing price of our common stock on the Nasdaq Capital market on the date on which the registration statement of which this prospectus forms a part is declared effective by the SEC. The Conversion Price is subject to adjustment for: (i) the payment of stock dividends or other distributions payable in common stock on the outstanding shares of our common stock, excluding the shares of common stock issuable upon the conversion of the Series J Convertible Preferred Stock; and (ii) subdivisions and combinations (including by way of a reverse stock split). This offering also relates to the shares of common stock issuable upon conversion of the Series J Convertible Preferred Stock. See "Description of Securities Being Offered—Series J		
	See "Description of Securities Being Offered—Series J Convertible Preferred Stock Being Offered Pursuant to this Prospectus—Conversion".		

Γ

eries J Convertible Preferred Stock–Mandatory Redemption	If any shares of our Series J Convertible Preferred Stock are outstanding at the end of the three-year term, then we shall promptly redeem all of such outstanding shares of Series J Convertible Preferred Stock on a <i>pro rata</i> basis among all of the holders of Series J Convertible Preferred Stock commencing on the third-year anniversary of the Closing Date (the "Mandatory Redemption Date") in cash, to the extent legally permissible under Delaware law, or, if redemption for cash is not legally permissible in duly authorized, validly issued, fully paid and non-assessable shares of the Company's common stock equal in number to the quotient obtained by dividing such unpaid amount by the closing price of the Company's common stock on the Nasdaq on the Mandatory Redemption Date.
	See "Description of Securities Being Offered—Series J Convertible Preferred Stock Being Offered Pursuant to this Prospectus—Mandatory Redemption.
eries J Convertible Preferred Stock- Dividends	The Certificate of Designation of Preferences, Rights and Limitations (the "Certificate of Designations") shall provide that dividends on the Series J Convertible Preferred Stock shall be paid in-kind ("PIK dividends") in additional shares of Series J Convertible Preferred Stock based on the stated value of \$25.00 per share at an assumed dividend rate of 20% per annum. The PIK dividends will be paid on a quarterly basis for three (3) years following the Closing Date to holders of the Series J Convertible Preferred of record at the close of business at the end of October 31, January 31, April 30, and July 31 of each year (each a "Dividend Record Date") at the quarterly dividend rate of 5% (the "Quarterly Dividend Rate"). PIK dividends on each share of Series J Convertible Preferred Stock shall be paid within three business days of each Dividend Record Date in additional fully paid and nonassessable, registered shares of Series J Convertible Preferred Stock in a number equal to the quotient obtained by dividing (A) the product obtained by multiplying (i) the Quarterly Dividend Rate and (ii) the stated value of \$25.00 per share, by (B) the public offering price per Unit.
eries J Convertible Preferred Stock– Limited Voting Rights	See "Description of Securities Being Offered—Series J Convertible Preferred Stock Being Offered Pursuant to this Prospectus—Dividends". Holders of the Series J Convertible Preferred Stock will
	not have any voting rights, except as described below or as otherwise required by law. In any matter in which the Series J Convertible Preferred Stock may vote (as expressly provided herein or as may be required by law), each share of Series J

	the purpose:
	 alter or change adversely the powers, preferences or rights given to the Series J Convertible Preferred Stock or alter or amend adversely the Certificate of Designations;
	(ii) increase the number of authorized shares of Series J Convertible Preferred Stock; or
	(iii) enter into any agreement with respect to any of the foregoing.
	See "Description of Securities Being Offered—Series J Convertible Preferred Stock Being Offered Pursuant to this Prospectus—Limited Voting Rights".
Series J Convertible Preferred Stock– Liquidation	
Rights	In the event of the voluntary or involuntary liquidation, dissolution or winding up of our affairs, the holders of shares of Series J Convertible Preferred Stock will be entitled to be paid out of our assets legally available for distribution to our stockholders (<i>i.e.</i> , after satisfaction of all our liabilities to creditors, if any) and, subject to the rights of holders of any shares of each other class or series of capital stock ranking, as to rights to the distribution of assets upon our voluntary or involuntary liquidation, dissolution or winding-up, senior to the Series J Convertible Preferred Stock, a liquidation preference of \$25.00 per share, before any distribution or payment may be made to holders of shares of common stock or any other class or series of our capital stock ranking, as to rights to the distribution of assets upon any voluntary or involuntary liquidation, dissolution or winding up, junior to the Series J Convertible Preferred Stock. See "Description of Securities Being Offered—Series J Convertible Preferred Stock Being Offered Pursuant to this Prospectus—Ranking and Liquidation Preference".
Series J Convertible Preferred Stock–Fundamental	
Transactions	In the event of a Fundamental Transaction (as defined in the Certificate of Designations) and generally including any reorganization, recapitalization or reclassification of our common stock, the sale, transfer or other disposition of all or substantially all of our assets, our consolidation or merger with or into another person, or the acquisition of more than 50% of our outstanding common stock, the holders of the Series J Convertible Preferred Stock will be entitled to receive

Convertible Preferred Stock will be entitled to one vote per share. So long as any shares of Series J Convertible Preferred Stock remain outstanding, we will not, without the consent or the affirmative vote of a majority of the outstanding shares of Series J Convertible Preferred Stock, given in person or by proxy, either in writing without a meeting or by vote at any meeting called for

property that the holders would have received had they converted the Series J Convertible Preferred Stock immediately prior to such Fundamental Transaction (without regard to the Beneficial Ownership Limitation). See "Description of Securities Being Offered-Series J Convertible Preferred Stock Being Offered Pursuant to this Prospectus-Fundamental Transactions". Each Warrant will have an exercise price of \$7.50 Warrants (50.0% of the public offering price per Unit) per onehalf of one share of Series J Convertible Preferred Stock, be exercisable for one-half of one (0.5) share of Series J Convertible Preferred Stock, will be immediately exercisable and will expire three (3) years from the Closing Date. No fractional shares will be issued in connection with the exercise of a Warrant. In lieu of fractional shares, we will pay the holder an amount in cash equal to the fractional amount multiplied by the stated value of \$25.00 per share of Series J Convertible Preferred Stock. The terms of the Warrants will be governed by a Warrant Agency Agreement, dated as of the closing date of this offering, between us and Equiniti Trust Company, LLC, and any successor warrant agent under thereunder (collectively, the "Warrant Agent"). For more information regarding the Warrants, you should carefully read the section titled "Description of Securities Being Offered-Description of Warrants Included in the Units" in this prospectus. You should also read the form of Warrant Agency Agreement, which is filed as an exhibit to the registration statement of which this prospectus forms a part. This offering also relates to the shares of Series J Convertible Preferred Stock issuable upon exercise of the Warrants. **Best Efforts Offering** We have agreed to offer and sell the securities offered hereby to the purchasers through the placement agents. The placement agents are not required to buy or sell any specific number or dollar amount of the securities offered hereby, but they will use their reasonable best efforts to solicit offers to purchase the securities offered by this prospectus. See "Plan of Distribution" on page 54 of this prospectus. **Common Stock Outstanding Prior To** Offering 1,864,265 shares as of September 27, 2023. **Common Stock Anticipated After the** Offering Approximately 27,482,258 shares based on an assumed conversion price of the Series J Convertible Preferred Stock of \$1.53 (assuming conversion of all of the shares of Series J Convertible Preferred Stock issued

upon conversion of the Series J Convertible Preferred Stock the kind and amount of securities, cash or other

	in this offering, including conversion of the PIK dividend shares and the shares of Series J Convertible Preferred Stock issued upon exercise of the Warrants).
Use of proceeds	We estimate that the net proceeds to us from the offering will be approximately \$5 million (calculated based on an assumed price of \$15.00 per Unit), after deducting the placement agent fees and estimated offering expenses payable by us, and assuming the sale of all Units offered hereby and no exercise of Warrants. However, this is a best efforts offering with no minimum number of securities or amount of proceeds as a condition to closing, and we may not sell all or any of these securities offered pursuant to this prospectus; as a result, we may receive significantly less in net proceeds. We intend to use the proceeds of this offering for working capital and for general corporate purposes. See "Use of Proceeds" for a more complete description of the intended use of proceeds from this offering.
Exchange listing	There is no established trading market for the Series J Convertible Preferred Stock or the Warrants, and we do not expect a market to develop. In addition, we do not intend to list the Series J Convertible Preferred Stock or the Warrants on The Nasdaq Capital Market or any other national securities exchange or any other nationally recognized trading system. Without an active trading market, the liquidity of the Series J Convertible Preferred Stock and the Warrants will be limited.
	Our common stock is listed on The Nasdaq Capital Market under the symbol "NUWE".
Transfer agent and Warrant agent	The registrar, transfer agent and dividend and redemption price disbursing agent in respect of the Series J Convertible Preferred Stock, and the warrant agent for the Warrants, will be Equiniti Trust Company, LLC.
Form	The Series J Convertible Preferred Stock and the Warrants will be represented by one or more global certificates in definitive, fully registered form deposited with Equiniti Trust Company, LLC, as custodian on behalf of The Depository Trust Company ("DTC"), or DTC, and registered in the name of Cede & Co., a nominee of DTC, or as otherwise directed by DTC.
Settlement	Delivery of the Series J Convertible Preferred Stock and the Warrants offered hereby will settle delivery versus payment ("DVP")/receipt versus payment ("RVP").
Material U.S. Federal Income Tax Consequences	For a discussion of certain U.S. federal income tax consequences the purchase, ownership, disposition and conversion of the Series J Convertible Preferred Stock, the acquisition, ownership and disposition of our

	common stock received upon conversion of the Series J Convertible Preferred Stock, and the purchase, ownership, disposition and exercise of the Warrants, please see the section entitled "Material U.S. Federal Income Tax Consequences." You should consult your independent tax advisor with respect to the U.S. federal income tax consequences of owning the Series J Convertible Preferred Stock, the common stock received upon conversion of the Series J Convertible Stock, and the Warrants in light of your own particular situation and with respect to any tax consequences arising under non- U.S. federal income tax laws, including the laws of any other taxing jurisdiction.
Risk Factors	Investing in our securities involves a high degree of risk. You should carefully review and consider the section of this prospectus entitled "Risk Factors" on page <u>13</u> of this prospectus for a discussion of factors to consider before deciding to invest in this offering.

Except as otherwise indicated, all information in this prospectus is based on 1,864,265 shares of common stock outstanding as of September 27, 2023 and excludes the following:

- 111,275 shares of our common stock issuable upon the exercise of outstanding stock options, having a weighted average exercise price of \$36.78 per share;
- 1,308,271 shares of our common stock issuable upon the exercise of outstanding warrants (other than the warrants offered hereby) with a weighted-average exercise price of \$35.51 per share;
- 5,080 shares of our common stock issuable upon the conversion of the 127 outstanding shares of our Series F Preferred Stock; and
- 49,456 shares of our common stock reserved for future issuance under our equity incentive plans.

Except as otherwise noted, all information in this prospectus assumes:

- the conversion of the Series J Convertible Preferred Stock sold in this offering; and
- no exercise of the Warrants issued in connection with this offering.

To the extent that additional shares of common stock are issued upon the exercise of outstanding options or warrants, or the conversion of our outstanding Series F Convertible Preferred Stock, or the vesting of restricted stock units or additional grants are made pursuant to our equity incentive plans, there will be dilution to new investors. All share and per share amounts for all periods presented in this prospectus and the registration statement of which it forms a part have been retroactively adjusted to reflect the reverse stock splits we previously effected on January 12, 2017, October 12, 2017, January 2, 2019, October 16, 2020 and December 9, 2022.

SUMMARY RISK FACTORS

Our business is subject to a number of risks. The principal factors and uncertainties include, among others:

- We have limited history of operations and limited experience in sales and marketing, and we might be unsuccessful in increasing our sales and cannot assure you that we will ever generate substantial revenue or be profitable.
- We have incurred operating losses since our inception and anticipate that we will continue to incur operating losses in the near-term. To date, we have been funded by equity financings, and although we believe that we will be able to successfully fund our operations, there can be no assurance that we will be able to do so or that we will ever operate profitably. If this financing is not successful or if we raise less than we intend, we will need to raise additional capital to fund our operations beyond the fourth quarter of 2023. If additional capital is not available, we will have to delay, reduce or cease operations. These factors raise substantial doubt about the Company's ability to continue as a going concern through the next twelve months.
- Our near-term prospects are highly dependent on revenues from a single product, the Aquadex System. We face significant challenges in expanding market acceptance of the Aquadex System, which could adversely affect our potential sales.
- We depend on a limited number of customers, the loss of which, or failure of which to order our products in a particular period, could cause our revenues to decline.
- We have limited commercial manufacturing experience and could experience difficulty in producing commercial volumes of the Aquadex System and related components or may need to depend on third parties for manufacturing.
- We depend upon third-party suppliers, including single source suppliers, making us vulnerable to supply problems and price fluctuations.
- The COVID-19 outbreak and other public health threats or outbreaks of communicable diseases could have a material adverse effect on our operations and overall financial performance.
- We have been negatively impacted by the prioritization of COVID-19 patients in hospitals.
- If we cannot develop adequate distribution, customer service and technical support networks, then we may not be able to market and distribute the Aquadex System effectively and our sales will suffer.
- We compete against many companies, some of which have longer operating histories, more established products and greater resources than we do, which may prevent us from achieving further market penetration or improving operating results.
- The competition for qualified personnel is particularly intense in our industry. If we are unable to retain or hire key personnel, we may not be able to sustain or grow our business.
- Significant additional governmental regulation could subject us to unanticipated delays which would adversely affect our sales.
- Product defects, resulting in lawsuits for product liability, could harm our business, results of operations and financial condition.
- We may face significant risks associated with international operations, which could have a material adverse effect on our business, financial condition and results of operations.
- If we are not able to maintain sufficient quality controls, then the approval or clearance of our products by the European Union, the FDA or other relevant authorities could be withdrawn, delayed or denied and our sales will suffer.
- If we violate any provisions of the Federal Food, Drug, and Cosmetic Act ("FDC Act") or any other statutes or regulations, then we could be subject to enforcement actions by the FDA or other governmental agencies.
- We cannot assure you that our products will be safe or that there will not be serious injuries or product malfunctions. Further, we are required under applicable law to report any circumstances relating to our

medically approved products that could result in deaths or serious injuries. These circumstances could trigger recalls, class action lawsuits and other events that could cause us to incur expenses and may also limit our ability to generate revenues from such products.

- We face significant uncertainty in the industry due to government healthcare reform.
- We are subject, directly or indirectly, to United States federal and state healthcare fraud and abuse and false claims laws and regulations. Prosecutions under such laws have increased in recent years and we may become subject to such litigation. If we are unable to, or have not fully complied with such laws, we could face substantial penalties.
- Failure to comply with anti-bribery, anti-corruption, and anti-money laundering laws could subject us to penalties and other adverse consequences.
- If we acquire other businesses, products or technologies, we could incur additional impairment charges and will be subject to risks that could hurt our business.
- We may not be able to protect our intellectual property rights effectively, which could have an adverse effect on our business, financial condition or results of operations.
- Intellectual property litigation could be costly and disruptive to us.
- If we were unable to protect the confidentiality of our proprietary information and know-how, the value of our technology and system could be adversely affected.
- Our products could infringe patent rights of others, which may require costly litigation and, if we are not successful, could cause us to pay substantial damages or limit our ability to commercialize our products.
- We may be subject to claims that our employees have wrongfully used or disclosed alleged trade secrets of their former employers.
- Security breaches, loss of data and other disruptions could compromise sensitive information related to our business or prevent us from accessing critical information and expose us to liability, which could adversely affect our business and our reputation.
- The trading price of our common stock price has been, and could continue to be, volatile.
- The rights of holders of our capital stock will be subject to, and could be adversely affected by, the rights of holders of our outstanding preferred stock and stock that may be issued in the future.
- A more active, liquid trading market for our common stock may not develop, and the price of our common stock may fluctuate significantly.
- Our ability to use U.S. net operating loss carryforwards and other tax attributes might be limited.
- We do not intend to pay cash dividends on our common stock in the foreseeable future.
- Investors in Units may have to pay taxes (or have taxes withheld) in certain circumstances with respect to our Series J Convertible Preferred Stock or the Warrants, even though holders would not receive any cash.
- There may be future sales of our securities or other dilution of our equity, which may adversely affect the market price of our common stock.
- This is a best-efforts offering, no minimum amount of securities is required to be sold, and we may not raise the amount of capital we believe is required for our business plans.

RISK FACTORS

An investment in our securities has a high degree of risk. Before you invest you should carefully consider the risks and uncertainties described below, the other information in this prospectus, and under the caption "Risk Factors" in our <u>Annual Report on Form 10-K for the year ended December 31, 2022</u> and our Quarterly Reports on Form 10-Q for the quarterly periods ended <u>March 31, 2023</u> and <u>June 30, 2023</u>, each of which is incorporated by reference and the other information in this prospectus. Any of the risks and uncertainties set forth herein could materially and adversely affect our business, results of operations and financial condition, which in turn could materially and adversely affect the trading price or value of our securities. Additional risks not currently known to us or which we consider immaterial based on information currently available to us may also materially adversely affect us. As a result, you could lose all or part of your investment.

Risks Related to Our Common Stock

Nasdaq may delist our common stock from its exchange which could limit your ability to make transactions in our securities and subject us to additional trading restrictions.

On May 31, 2022, we received a notice from the Staff of Nasdaq informing us that because the closing bid price for our common stock listed on Nasdaq was below \$1.00 for 30 consecutive trading days, we were not in compliance with the Minimum Bid Price Requirement for continued listing on the Nasdaq Capital Market, as set forth in Nasdaq Marketplace Rule 5550(a)(2).

In accordance with Nasdaq Marketplace Rule 5810(c)(3)(A), the Company had a period of 180 calendar days from May 31, 2022, or until November 28, 2022, to regain compliance with the Minimum Bid Price Requirement.

On December 9, 2022, we effected a 1-for-100 reverse split of our outstanding common stock. This reverse stock split did not change the par value of our common stock or the number of common or preferred shares authorized by our Certificate of Incorporation. On December 27, 2022, Nasdaq notified the Company that it had regained compliance with Listing Rule 5550(a)(2).

Our ability to effectuate another reverse stock split in the future may be limited. If a Company fails to meet the continued listing requirement for minimum bid price and the Company has effected one or more reverse stock splits over the prior two-year period with a cumulative ratio of 250 shares or more to one, then the Company shall not be eligible for any compliance period specified in Nasdaq Marketplace Rule 5810(c)(3)(A) and the Staff of Nasdaq will issue a delisting determination.

If our common stock is ever delisted from Nasdaq, our ability to raise capital through public offerings of our securities and to finance our operations could be adversely affected. We also believe that delisting would likely result in decreased liquidity and/or increased volatility in our common stock and could harm our business and future prospects. In addition, we believe that, if our common stock is delisted, our stockholders would likely find it more difficult to obtain accurate quotations as to the price of the common stock and it may be more difficult for stockholders to buy or sell our common stock at competitive market prices, or at all.

If our common stock is ever delisted, our common stock would likely then trade only in the over-the-counter market. If our common stock were to trade on the over-the-counter market, selling our common stock could be more difficult because smaller quantities of shares would likely be bought and sold, transactions could be delayed, and we could face significant material adverse consequences, including: a limited availability of market quotations for our securities; reduced liquidity with respect to our securities; a determination that our shares are a "penny stock," which will require brokers trading in our securities to adhere to more stringent rules, possibly resulting in a reduced level of trading activity in the secondary trading market for our securities; a reduced amount of news and analyst coverage for our Company; and a decreased ability to issue additional securities or obtain additional financing in the future. These factors could result in lower prices and larger spreads in the bid and ask prices for our common stock and would substantially impair our ability to raise additional funds and could result in a loss of institutional investor interest and fewer development opportunities for us.

In addition to the foregoing, if our common stock is delisted from Nasdaq and it trades on the over-the-counter market, the application of the "penny stock" rules could adversely affect the market price of our common stock and increase the transaction costs to sell those shares. The SEC has adopted regulations which generally define a "penny stock" as an equity security that has a market price of less than \$5.00 per share,

subject to specific exemptions. If our common stock is delisted from Nasdaq and it trades on the over-the-counter market at a price of less than \$5.00 per share, our common stock would be considered a penny stock. The SEC's penny stock rules require a broker-dealer, before a transaction in a penny stock not otherwise exempt from the rules, to deliver a standardized risk disclosure document that provides information about penny stocks and the risks in the penny stock market. The broker-dealer must also provide the customer with current bid and offer quotations for the penny stock, the compensation of the broker-dealer and the salesperson in the transaction, and monthly account statements showing the market value of each penny stock held in the customer's account. In addition, the penny stock rules generally require that before a transaction in a penny stock occurs, the broker-dealer must make a special written determination that the penny stock is a suitable investment for the purchaser and receive the purchaser's agreement to the transaction. If applicable in the future, these rules may restrict the ability of brokers-dealers to sell our common stock and may affect the ability of investors to sell their shares, until our common stock no longer is considered a penny stock.

Sales of a substantial number of shares of our common stock by our stockholders in the public market could cause our stock price to fall.

The number of shares of common stock issuable upon conversion of our outstanding preferred stock and exercise of outstanding warrants is significant in relation to the number of shares of our common stock currently outstanding.

As of September 27, 2023, we have warrants to purchase 1,308,271 shares of common stock outstanding, with exercise prices ranging from \$3.2996 to \$189,000 with a weighted-average exercise price of \$35.51.

As of September 27, 2023, there were 127 shares of Series F Preferred Stock outstanding, convertible into 5,080 shares of common stock. The certificate of designation for our Series F Preferred Stock contains an antidilution provision, which provision requires the lowering of the applicable conversion price, as then in effect, to the purchase price per share of common stock or common stock equivalents issued in the future. If the effective price per share on a common-stock equivalent basis in a future equity offering is lower than the then-current conversion price of the Series F Convertible Preferred Stock, then such conversion price shall be reduced to such lower price and additional shares of common stock will be issuable upon the conversion of the of the Series F Convertible Preferred Stock. To the extent the outstanding shares of Series F Convertible Preferred Stock become exercisable for additional shares of common stock, holders of our common stock will experience further dilution.

If any security holder determines to sell a substantial number of shares into the market at any given time, there may not be sufficient demand in the market to purchase the shares without a decline in the market price for our common stock. Moreover, continuous sales into the market of a number of shares in excess of the typical trading volume for our common stock could depress the trading market for our common stock over an extended period of time.

Sales of a substantial number of shares of our common stock in the public market or the perception that these sales might occur could significantly reduce the market price of our common stock and impair our ability to raise adequate capital through the sale of additional equity securities. We are unable to predict the effect that such sales may have on the prevailing market price of our common stock. As of September 27, 2023, we have outstanding warrants to purchase an aggregate of approximately 1,308,271 shares of our common stock, and options to purchase an aggregate of approximately 111,275 shares of our common stock, which, if exercised, may further increase the number of shares of our common stock outstanding and the number of shares eligible for resale in the public market.

Our business could be negatively affected as a result of actions of activist stockholders, and such activism could impact the trading value of our securities.

Stockholders may, from time to time, engage in proxy solicitations or advance stockholder proposals, or otherwise attempt to effect changes and assert influence on our board of directors and management. Activist campaigns that contest or conflict with our strategic direction or seek changes in the composition of our board of directors could have an adverse effect on our operating results and financial condition. A proxy contest would require us to incur significant legal and advisory fees, proxy solicitation expenses and administrative and associated costs and require significant time and attention by our board of directors and management, diverting their attention from the pursuit of our business strategy. Any perceived uncertainties as to our future direction

and control, our ability to execute on our strategy, or changes to the composition of our board of directors or senior management team arising from a proxy contest could lead to the perception of a change in the direction of our business or instability which may result in the loss of potential business opportunities, make it more difficult to pursue our strategic initiatives, or limit our ability to attract and retain qualified personnel and business partners, any of which could adversely affect our business and operating results. If individuals are ultimately elected to our board of directors with a specific agenda, it may adversely affect our ability to effectively implement our business strategy and create additional value for our stockholders. We may choose to initiate, or may become subject to, litigation as a result of the proxy contest or matters arising from the proxy contest, which would serve as a further distraction to our board of directors and management and would require us to incur significant additional costs. In addition, actions such as those described above could cause significant fluctuations in our stock price based upon temporary or speculative market perceptions or other factors that do not necessarily reflect the underlying fundamentals and prospects of our business.

We have a large number of authorized but unissued shares of stock, which could negatively impact a potential investor if they purchased our common stock.

On December 9, 2022, we effected a 1-for-100 reverse split of our outstanding common stock. This reverse stock split did not change the par value of our common stock or the number of common or preferred shares authorized by our Certificate of Incorporation. Because the number of authorized shares of our common stock was not reduced proportionately, the reverse stock split increased our board of directors' ability to issue authorized and unissued shares without further stockholder action. As of September 27, 2023, our certificate of incorporation provides for 100,000,000 shares of authorized common stock and 40,000,000 shares of authorized preferred stock, 30,000 of which are designated Series A Junior Participating Preferred Stock, 127 of which are designated Series F Preferred Stock, and we have 1,864,265 shares of common stock outstanding, 1,424,626 shares reserved for issuance upon the conversion, exercise or vesting of outstanding preferred stock, warrants and options, and 49,456 shares of common stock reserved for future grant under the Company's equity incentive plans.

With respect to authorized but unissued and unreserved shares, we could also use such shares to oppose a hostile takeover attempt or delay or prevent changes in control or changes in or removal of management. The issuance of additional shares of common stock or securities convertible into common stock may have a dilutive effect on earnings per share and relative voting power and may cause a decline in the trading price of our common stock. We could use the shares that are available for future issuance in dilutive equity financing transactions, or to oppose a hostile takeover attempt or delay or prevent changes in control or changes in or removal of management, including transactions that are favored by a majority of the stockholders or in which the stockholders might otherwise receive a premium for their shares over then-current market prices or benefit in some other manner.

We will continue to incur increased costs as a result of being a U.S. reporting company.

In connection with the effectiveness of our registration statement on Form 10, as of February 14, 2012, we became subject to the periodic reporting requirements of the Exchange Act. Although we were previously listed on the Australian Securities Exchange and had been required to file financial information and make certain other filings with the Australian Securities Exchange, our status as a U.S. reporting company under the Exchange Act has caused us, and will continue to cause us, to incur additional legal, accounting and other expenses that we did not previously incur, including costs related to compliance with the requirements of SOX and the listing requirements of the Nasdaq Capital Market. We expect these rules and regulations will continue to increase our legal and financial compliance costs and make some activities more time-consuming and costly, and these activities may increase general and administrative expenses and divert management's time and attention away from revenue-generating activities. Furthermore, now that we are a revenue-generating company following the acquisition of the Aquadex Business in August 2016, our costs to comply with regulations applicable to U.S. reporting companies may further increase. We also expect these rules and regulations may make it more difficult and more expensive for us to obtain director and officer liability insurance and we may be required to accept reduced policy limits and coverage or incur substantially higher costs to obtain the same or similar coverage. As a result, it may be more difficult for us to attract and retain qualified individuals to serve on our board of directors or as executive officers.

Investors could lose confidence in our financial reports, and the value of our common stock may be adversely affected, if our internal controls over financial reporting are found not to be effective by management or by an independent registered public accounting firm or if we make disclosure of existing or potential material weaknesses in those controls.

As long as we remain a non-accelerated filer, we are exempt from the attestation requirement in the assessment of our internal control over financial reporting by our independent auditors pursuant to section 404(b) of SOX, but are required to make our own internal assessment of the effectiveness of our internal controls over financial reporting.

We continue to evaluate our existing internal controls over financial reporting. During the course of our ongoing evaluation of the internal controls, we may identify areas requiring improvement and may have to design enhanced processes and controls to address issues identified through this review. Remediating any deficiencies, significant deficiencies or material weaknesses that we or our independent registered public accounting firm may identify may require us to incur significant costs and expend significant time and management resources. We cannot assure you that any of the measures we implement to remedy any such deficiencies will effectively mitigate or remedy such deficiencies. The existence of one or more material weaknesses could affect the accuracy and timing of our financial reporting. It may be more difficult for us to manage our internal control over financial reporting following our acquisition of the Aquadex Business now that we are a revenue generating company. Investors could lose confidence in our financial reports, and the value of our common stock may be harmed, if our internal controls over financial reporting are found not to be effective by management or by our independent registered public accounting firm or if we make disclosure of existing or potential material weaknesses in those controls.

Our Fourth Amended and Restated Certificate of Incorporation, as amended, provides that, unless we consent in writing to the selection of an alternative forum, the Court of Chancery of the State of Delaware will be the sole and exclusive forum for substantially all disputes between us and our stockholders, which could limit our stockholders' ability to obtain a favorable judicial forum for disputes with us or our directors, officers, or employees.

Our Fourth Amended and Restated Certificate of Incorporation, as amended, provides that, unless we consent in writing to the selection of an alternative forum, the Court of Chancery of the State of Delaware will be the exclusive forum for any derivative action or proceeding brought on our behalf; any action asserting a breach of fiduciary duty; any action asserting a claim against us arising pursuant to the Delaware General Corporation Law (the "DGCL"); or any action asserting a claim against us that is governed by the internal affairs doctrine. This choice of forum provision does not preclude or contract the scope of exclusive federal or concurrent jurisdiction for any actions brought under the Securities Act of 1933 ("Securities Act") or the Exchange Act. Accordingly, our exclusive forum provision will not relieve us of our duties to comply with the federal securities laws and the rules and regulations thereunder, and our stockholders will not be deemed to have waived our compliance with these laws, rules and regulations.

Any person or entity purchasing or otherwise acquiring any interest in any of our securities shall be deemed to have notice of and consented to these provisions. These exclusive-forum provisions may limit a stockholder's ability to bring a claim in a judicial forum of its choosing for disputes with us or our directors, officers or other employees, which may discourage lawsuits against us and our directors, officers and other employees.

If a court were to find the choice of forum provision contained in our Fourth Amended and Restated Certificate of Incorporation, as amended, to be inapplicable or unenforceable in an action, we may incur additional costs associated with resolving such action in other jurisdictions, which could harm our business, results of operations, and financial condition. Even if we are successful in defending against these claims, litigation could result in substantial costs and be a distraction to management and other employees.

Our certificate of incorporation and bylaws, as well as certain provisions of the DGCL, may delay or deter a change in control transaction.

Certain provisions of our certificate of incorporation and bylaws may have the effect of deterring takeovers, such as those provisions authorizing our board of directors to issue, from time to time, any series of preferred stock and fix the designation, powers, preferences and rights of the shares of such series of preferred stock; prohibiting stockholders from acting by written consent in lieu of a meeting; requiring advance notice of

stockholder intention to put forth director nominees or bring up other business at a stockholders' meeting; prohibiting stockholders from calling a special meeting of stockholders; requiring a 66 2/3% majority stockholder approval in order for stockholders to amend certain provisions of our certificate of incorporation or bylaws or adopt new bylaws; providing that, subject to the rights of preferred shares, the directors will be divided into three classes and the number of directors is to be fixed exclusively by our board of directors; and providing that none of our directors may be removed without cause. Section 203 of the DGCL, from which we did not elect to opt out, provides that if a holder acquires 15% or more of our stock without prior approval of our board of directors, that holder will be subject to certain restrictions on its ability to acquire us within three years. These provisions may delay or deter a change in control of us, and could limit the price that investors might be willing to pay in the future for shares of our common stock.

We are a "smaller reporting company" under federal securities laws and we cannot be certain whether the reduced reporting requirements applicable to such companies will make our common stock less attractive to investors.

We are a "smaller reporting company" under federal securities laws. For as long as we continue to be a smaller reporting company, we may take advantage of exemptions from various reporting requirements that are applicable to other public companies, including reduced disclosure obligations regarding executive compensation in our periodic reports and proxy statements. We will remain a smaller reporting company so long as our public float remains less than \$250 million as of the last business day of our most recently completed second fiscal quarter. We cannot predict if investors will find our common stock less attractive because we may rely on these exemptions. If some investors find our common stock less attractive as a result, there may be a less active trading market for our common stock and our stock price may decline or be more volatile.

Stockholder litigation could divert the attention of management from the day-to-day operation of our business or result in us incurring substantial costs and liabilities.

We cannot be sure that our stockholders will not initiate securities litigation against us in the future. If securities or stockholder derivative litigation were to be commenced against us, our defense of such litigation could divert the attention of management from the day-to-day operation of our business or result in us incurring substantial costs and liabilities, irrespective of the merits of the litigation.

Risks Relating to this Offering

Because our management will have broad discretion and flexibility in how the net proceeds from this offering are used, our management may use the net proceeds in ways with which you disagree or which may not prove effective.

We currently intend to use the net proceeds from this offering as discussed under "Use of Proceeds" in this prospectus. We have not allocated specific amounts of the net proceeds from this offering for any of the foregoing purposes. Accordingly, our management will have significant discretion and flexibility in applying the net proceeds of this offering. You will be relying on the judgment of our management with regard to the use of these net proceeds, and you will not have the opportunity, as part of your investment decision, to assess whether the net proceeds are being used appropriately. It is possible that the net proceeds will be invested in a way that does not yield a favorable, or any, return for us. The failure of our management to use such funds effectively could have a material adverse effect on our business, financial condition, operating results and cash flow.

This is a best-efforts offering, no minimum amount of securities is required to be sold, and we may not raise the amount of capital we believe is required for our business plans.

The placement agents have agreed to use their reasonable best efforts to solicit offers to purchase the securities in this offering. The placement agents have no obligation to buy any of the securities from us or to arrange for the purchase or sale of any specific number or dollar amount of the securities. There is no required minimum number of securities that must be sold as a condition to completion of this offering. Because there is no minimum offering amount required as a condition to the closing of this offering, the actual offering amount, placement agent fees and proceeds to us are not presently determinable and may be substantially less than the maximum amounts set forth herein. We may sell fewer than all of the securities offered hereby, which may significantly reduce the amount of proceeds received by us, and investors in this offering will not receive a

refund in the event that we do not sell an amount of securities sufficient to support our continued operations. Thus, we may not raise the amount of capital we believe is required for our operations and may need to raise additional funds. Such additional fundraises may not be available or available on terms acceptable to us.

The Series J Convertible Preferred Stock and the Warrants are unlisted securities and there is no public market for them.

There is no established public trading market for, and we do not expect a market to develop for the Series J Convertible Preferred Stock or the Warrants. In addition, neither the Series J Convertible Preferred Stock nor the Warrants are listed, and we do not intend to apply for listing of the Series J Convertible Preferred Stock or the Warrants on any securities exchange or trading system. Without an active market, the liquidity of the Series J Convertible Preferred Stock and the Warrants is limited, and investors may be unable to liquidate their investments in the Series J Convertible Preferred Stock or the Warrants.

The Warrants in this offering are speculative in nature.

Following this offering, the market value of the Warrants, if any, is uncertain and there can be no assurance that the market value of the Warrants will equal or exceed their imputed public offering price. In the event that the price of our Series J Convertible Preferred Stock does not exceed the exercise price of the Warrants during the period when such Warrants are exercisable, such Warrants may not have any value. Furthermore, each Warrant will expire three (3) years from the Closing Date.

Holders of the Warrants will not have rights of holders of our shares of our Series J Convertible Preferred Stock until such Warrants are exercised.

The Warrants in this offering do not confer any rights of share ownership on their holders, but rather merely represent the right to acquire shares of our Series J Convertible Preferred Stock at a fixed price upon exercise thereof. Until holders of Warrants acquire shares of our Series J Convertible Preferred Stock upon exercise of the Warrants, as applicable, holders of Warrants will have no rights with respect to our shares of Series J Convertible Preferred Stock underlying such Warrants.

The value of our Series J Convertible Preferred Stock is directly tied to the value of our common stock, and any change in the value of our common stock will be reflected in the value of our Series J Convertible Preferred Stock.

There is no established public trading market for and we do not expect a market to develop for the Series J Convertible Preferred Stock. In addition, we do not intend to apply for listing of the Series J Convertible Preferred Stock on any national securities exchange or other nationally recognized trading system. As a result, because each share of Series J Convertible Preferred Stock is initially convertible into one share of common stock, subject to certain beneficial ownership limitations, we expect the value of the Series J Convertible Preferred Stock to have a value directly tied to the value of our common stock. Accordingly, any change in the trading price of our common stock will be reflected in the value of our Series J Convertible Preferred Stock, and the price of our common stock may be volatile as described above.

Because we do not intend to pay cash dividends, our stockholders will benefit from an investment in our securities only if they appreciate in value.

We intend to retain our future earnings, if any, to finance the expansion of our business and do not expect to pay any cash dividends in the foreseeable future. As a result, the success of an investment in our securities will depend entirely upon any future appreciation. There is no guarantee that our securities will appreciate in value or even maintain the price at which our stockholders purchased their shares.

Purchasers in this offering may experience dilution of their investment in the future.

Subject to lock-up provisions described under "Plan of Distribution," we are generally not restricted from issuing additional securities, including shares of common stock, securities that are convertible into or exchangeable for, or that represent the right to receive, common stock or substantially similar securities. The issuance of securities may cause dilution to our stockholders, including investors in this offering. In order to raise additional capital, such securities may be at prices that are not the same as the price per share in this offering.

We cannot assure you that we will be able to sell shares or other securities in any other offering at a price per share that is equal to or greater than the price per share paid by investors in this offering, and investors purchasing shares or other securities in the future could have rights superior to existing stockholders, including investors who purchase securities in this offering. The price per share at which we sell additional shares of our common stock or securities convertible into common stock in future transactions may be higher or lower than the price per share in this offering. The exercise of outstanding stock options or warrants and the vesting of outstanding restricted stock units may also result in dilution of your investment.

The terms of our Series J Convertible Preferred Stock could prohibit us from issuing additional equity because of the significant dilutive effects on our common stock.

The Certificate of Designations shall provide that dividends on the Series J Convertible Preferred Stock shall be paid in-kind in additional shares of Series J Convertible Preferred Stock based on the stated value of \$25.00 per share at an assumed annual dividend rate of 20%. The PIK dividends will be paid on a quarterly basis for three (3) years following the Closing Date to holders of the Series J Convertible Preferred Stock of record at the close of business at October 31, January 31, April 30, and July 31 of each year (each a "Dividend Record Date") at the quarterly dividend rate of 5% (the "Quarterly Dividend Rate"). PIK dividends on each share of Series J Convertible Preferred Stock shall be paid within three business days of each Dividend Record Date in additional fully paid and nonassessable, registered shares of Series J Convertible Preferred Stock in a number equal to the quotient obtained by dividing (A) the product obtained by multiplying (i) the Quarterly Dividend Rate and (ii) the stated value of \$25.00 per share, by (B) the public offering price per Unit (equal to \$15.00, based on the assumed public offering price set forth on the cover page of the prospectus), as a result such subsequent issued PIK dividends will be convertible into common stock and could have dilutive effects on our common stock.

Mandatory redemption obligations may make it more difficult for a party to acquire us or discourage a party from acquiring us.

The mandatory redemption feature of the Series J Convertible Preferred Stock may have the effect of discouraging a third party from making an acquisition proposal for us or of delaying, deferring or preventing certain of our change of control transactions under circumstances that otherwise could provide the holders of our common stock and Series J Convertible Preferred Stock with the opportunity to realize a premium over the then-current market price of such stock or that shareholders may otherwise believe is in their best interests.

We may incur additional indebtedness and obligations to pay dividends on preferred stock, some of which may be senior to the rights of the Series J Convertible Preferred Stock.

We and our subsidiaries may incur additional indebtedness and obligations to pay cumulative dividends on preferred stock, some of which may be senior to the rights of the Series J Convertible Preferred Stock. The terms of the Series J Convertible Preferred Stock do not prohibit us or our subsidiaries from incurring additional indebtedness or issuing additional series of preferred stock. Any such indebtedness will in all cases be senior to the rights of holders of Series J Convertible Preferred Stock. We may also issue additional series of preferred stock that contain dividend rights and liquidation preferences that are senior to the rights of holders of Series J Convertible Preferred Stock. Our subsidiaries may also incur indebtedness that is structurally senior to the Series J Convertible Preferred Stock, and we and our subsidiaries could incur indebtedness secured by a lien on our assets, entitling the holders of such indebtedness to be paid first from the proceeds of such assets. If we issue any additional preferred stock that ranks senior or pari passu with the Series J Convertible Preferred Stock, the holders of those shares will be entitled to a senior or ratable share with the holders of the Series J Convertible Preferred Stock in any proceeds distributed in connection with our insolvency, liquidation, reorganization or dissolution. This may have the effect of reducing the amount of proceeds paid to the holders of Series J Convertible Preferred Stock.

The Series J Convertible Preferred Stock is a new issue of securities does not have an established trading market and we do not intend to list the Series J Convertible Preferred Stock on any national securities exchange or other nationally recognized trading system, which may negatively affect its value and your ability to transfer and sell your shares.

The Series J Convertible Preferred Stock is a new issue of securities and currently no market exists for the Series J Convertible Preferred Stock. In addition, the Series J Convertible Preferred Stock is not listed, and we do not intend to apply for listing of the Series J Convertible Preferred Stock on any national securities exchange

or other nationally recognized trading system, including Nasdaq. Without an active market, the liquidity of the Series J Convertible Preferred Stock is limited, and investors may be unable to liquidate their investments in the Series J Convertible Preferred Stock or to sell at a price that you consider reasonable. As a result, the liquidity of the Series J Convertible Preferred Stock will be limited and a holders' ability to transfer or sell the Series J Convertible Preferred Stock and could be adversely affected.

Market interest rates may adversely affect the value of the Series J Convertible Preferred Stock.

One of the factors that continues to influence the price of the Series J Convertible Preferred Stock will be the dividend yield on the Series J Convertible Preferred Stock (as a percentage of the price of the Series J Convertible Preferred Stock) relative to market interest rates. An increase in market interest rates may lead prospective purchasers of the Series J Convertible Preferred Stock to expect a higher dividend yield, and higher interest rates would likely increase our borrowing costs and potentially decrease funds available for dividends. Accordingly, higher market interest rates could cause the market price of the Series J Convertible Preferred Stock to decrease.

The amount of the liquidation preference on the Series J Convertible Preferred Stock is fixed and investors in this offering that receive shares of Series J Convertible Preferred Stock will have no right to receive any greater payment.

The payment due upon liquidation on the Series J Convertible Preferred Stock is fixed at the liquidation preference of \$25.00 per share. If, in the case of our liquidation, there are remaining assets to be distributed after payment of this amount, you will have no right to receive or to participate in these amounts. In addition, if the market price of a holder's Series J Convertible Preferred Stock is greater than the liquidation preference, such holder will have no right to receive the market price from us upon our liquidation.

There may be future sales of Series J Convertible Preferred Stock or similar securities, which may adversely affect the market price of the Series J Convertible Preferred Stock.

Subject to the terms of the Certificate of Designations, our certificate of incorporation, as amended, and the DGCL, we are not restricted from issuing additional Series J Convertible Preferred Stock or securities similar to the Series J Convertible Preferred Stock, including any securities that are convertible into or exchangeable for, or that represent the right to receive, Series J Convertible Preferred Stock. Holders of the Series J Convertible Preferred Stock have no preemptive rights that entitle holders to purchase their pro rata share of any offering of shares of any class or series. The market price of the Series J Convertible Preferred Stock could decline as a result of sales of Series J Convertible Preferred Stock or of other securities made after this offering or the perception that such sales could occur. Because our decision to issue securities in any future offering will depend on market conditions and other factors beyond our control, we cannot predict or estimate the amount, timing or nature of any future offerings. Thus, holders of the Series J Convertible Preferred Stock and diluting their holdings in the Series J Convertible Preferred Stock.

Raising additional funds through debt or equity financing could be dilutive and may cause the market price of the Series J Convertible Preferred Stock to decline. We still may need to raise additional funding which may not be available on acceptable terms, or at all. Failure to obtain additional capital may force us to delay, limit, or terminate our product development efforts or other operations.

To the extent that we raise additional capital through the sale of equity or convertible debt securities, your ownership interest may be diluted, and the terms of these securities may include liquidation or other preferences that adversely affect your rights as a stockholder. Furthermore, any additional fundraising efforts may divert our management from their day-to-day activities, which may adversely affect our ability to develop and commercialize our products and services. We may continue to seek funds through equity or debt financings, collaborative or other arrangements with corporate sources, or through other sources of financing. Additional funding may not be available to us on acceptable terms, or at all. Any failure to raise capital as and when needed, as a result of insufficient authorized shares or otherwise, could have a negative impact on our financial condition and on our ability to pursue our business plans and strategies.

The voting rights of holders of the Series J Convertible Preferred Stock are limited and holders of Series J Convertible Preferred Stock will not have the voting rights of holders of our shares of our common stock until such shares of Series J Convertible Preferred Stock are converted into shares of our common stock.

Holders of the Series J Convertible Preferred Stock have no voting rights with respect to matters that generally require the approval of voting stockholders and will not have the voting rights that the holders of

shares of our common stock have until the shares of Series J Convertible Preferred Stock are converted into shares of common stock. The limited voting rights of holders of the Series J Convertible Preferred Stock include the right to vote as a single class on certain matters that may affect the preference or special rights of the Series J Convertible Preferred Stock, as described under "Description of the Securities We Are Offering—Description of the Series J Convertible Preferred Stock—Voting Rights".

Our ability to use net operating losses and other tax attributes to offset future taxable income may be subject to certain limitations.

Under Section 382 of the Internal Revenue Code of 1986, as amended, or the Code, substantial changes in a corporation's ownership may limit the amount of net operating losses, or NOLs, that can be utilized annually in the future to offset the corporation's (and the corporation's affiliates') U.S. federal and state taxable income. Specifically, this limitation may arise in the event of a cumulative change in ownership of more than 50% within any three-year period. The amount of the annual limitation is determined based on the value of the corporation that underwent the ownership change, immediately before the ownership change. Subsequent ownership changes may further affect any limitation in future years (including by way of exercising of warrants).

Holders may have to pay taxes if we adjust the conversion rate of the Series J Convertible Preferred Stock or make adjustments to the Warrant exercise price or other terms in certain circumstances, even though holders would not receive any cash.

Upon certain adjustments to (or certain failures to make adjustments to) the conversion price of the Series J Convertible Preferred Stock or adjustments to the Warrant exercise price or other terms, holders may be deemed to have received a distribution from us, resulting in taxable income to them for U.S. federal income tax purposes, even though holders would not receive any cash in connection with such adjustment to (or failure to adjust) the conversion price. If you are a non-U.S. holder (as defined in "Material U.S. Federal Income Tax Consequences") of the Series A Convertible Preferred Stock, any deemed dividend may be subject to U.S. federal withholding tax at a 30% rate, or such lower rate as may be specified by an applicable treaty.

Dividends or other distributions (including deemed distributions) with respect to the Series J Convertible Preferred Stock, or the Warrants, may be subject to withholding taxes in circumstances where we are not obliged to make gross up payments, and this could result in holders receiving less than expected in such circumstances.

On account of certain tax laws that require tax to be withheld from dividends or other distributions (including deemed distributions) on the Series J Convertible Preferred Stock or with respect to the Warrants, we are not required to make gross up payments in respect of such taxes. This would result in holders of Series J Convertible Preferred Stock and the Warrants receiving less than expected and could materially adversely affect the return on your investment.

The Series J Convertible Preferred Stock has not been rated.

We have not sought to obtain a rating for the Series J Convertible Preferred Stock. However, one or more rating agencies may independently determine to issue such a rating or such a rating, if issued, may adversely affect the market price of the Series J Convertible Preferred Stock. In addition, we may elect in the future to obtain a rating for the Series J Convertible Preferred Stock, which could adversely affect the market price of the Series J Convertible Preferred Stock. Ratings only reflect the views of the rating agency or agencies issuing the ratings and such ratings could be revised downward, placed on a watch list or withdrawn entirely at the discretion of the issuing rating agency if in its judgment circumstances so warrant. Any such downward revision, placing on a watch list or withdrawal of a rating could have an adverse effect on the market price of the Series J Convertible Preferred Stock.

Purchasers who purchase our securities in this offering pursuant to a securities purchase agreement may have rights not available to purchasers that purchase without the benefit of a securities purchase agreement.

In addition to rights and remedies available to all purchasers in this offering under federal securities and state law, the purchasers that enter into a securities purchase agreement will also be able to bring claims of breach of contract against us. The ability to pursue a claim for breach of contract provides those investors with the means to enforce the covenants uniquely available to them under the securities purchase agreement.



CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus and the information incorporated by reference herein contain forward-looking statements within the meaning of Section 27A of the Securities Act and Section 21E of the Exchange Act. Any statements about our expectations, beliefs, plans, objectives, assumptions or future events or performance are not historical facts and may be forward-looking. These statements are often, but are not always, made through the use of words or phrases such as "anticipates," "estimates," "plans," "projects," "continuing," "ongoing," "expects," "management believes," "we believe," "we intend" and similar words or phrases. Accordingly, these statements involve estimates, assumptions and uncertainties which could cause actual results to differ materially from those expressed in them. Any forward-looking statements are qualified in their entirety by reference to the factors discussed throughout this prospectus, and in particular those factors included in the section entitled "Risk Factors."

Because the factors referred to in the preceding paragraph could cause actual results or outcomes to differ materially from those expressed in any forward-looking statements we make, you should not place undue reliance on any such forward-looking statements. Further, any forward-looking statement speaks only as of the date on which it is made, and we undertake no obligation to update any forward-looking statement or statements to reflect events or circumstances after the date on which such statement is made or to reflect the occurrence of unanticipated events. New factors emerge from time to time, and it is not possible for us to predict which factors will arise. In addition, we cannot assess the impact of each factor on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in any forward-looking statements.

You should carefully read this prospectus and any related free writing prospectus and with the understanding that our actual future results may materially differ from what we expect.

Except as required by law, forward-looking statements speak only as of the date they are made, and we assume no obligation to update any forward-looking statements publicly, or to update the reasons why actual results could differ materially from those anticipated in any forward-looking statements, even if new information becomes available.

USE OF PROCEEDS

We estimate that the net proceeds to us from the sale of Units in this offering will be approximately \$5 million (calculated based on an assumed public offering price per Unit of \$15.00) after deducting placement agent fees and estimated offering expenses payable by us.

This estimate excludes the proceeds, if any, from the exercise of the Warrants sold in this offering. If all of the Warrants sold in the offering were sold and exercised for cash, we would receive additional net proceeds of approximately \$3 million. If 50% of the Warrants offered in this offering were sold and exercised for cash, we would receive additional net proceeds of approximately \$1.5 million. We cannot predict when or if these Warrants will be exercised. It is possible that these Warrants may expire and may never be exercised.

A \$3.00 increase or decrease in the assumed public offering price of \$15.00 per Unit would increase or decrease the proceeds from this offering by approximately \$1 million, assuming that the number of Units offered by us, as set forth on the cover page of this prospectus, remains the same and after deducting the estimated placement agent fees and estimated offering expenses payable by us, and excluding the proceeds, if any, from the conversion of the Series J Convertible Preferred Stock and the exercise of the Warrants issued pursuant to this offering.

Similarly, a 40,000 Unit increase or decrease in the number of Units offered by us, as set forth on the cover page of this prospectus, would increase or decrease the net proceeds to us by approximately \$0.5 million, assuming the assumed public offering price of \$1.53 per Unit remains the same, and after deducting the estimated placement agent fees and estimated offering expenses payable by us, and excluding the proceeds, if any, from the conversion of the Series J Convertible Preferred Stock and the exercise of the Warrants issued pursuant to this offering.

Because this is a best efforts offering and there is no minimum offering amount required as a condition to the closing of this offering, the actual offering amount, the placement agent fees and net proceeds to us are not presently determinable and may be substantially less than the maximum amounts set forth on the cover page of this prospectus.

We currently intend to use the net proceeds from this offering for working capital and general corporate purposes, including for continued investments in our commercialization efforts. We may use a portion of the net proceeds for the acquisitions of businesses, products, technologies or licenses that are complementary to our business, although we have no present commitments or agreements to do so.

The net proceeds of the offering set forth above represents our estimates based upon our current plans and assumptions regarding industry and general economic conditions, our future revenues and expenditures.

The amounts and timing of our actual expenditures may vary significantly and will depend on numerous factors, including market conditions, cash generated or used by our operations, business developments and opportunities that may arise and related rate of growth. We may find it necessary or advisable to use portions of the proceeds from this offering for other purposes.

Circumstances that may give rise to a change in the use of proceeds and the alternate purposes for which the proceeds may be used include:

- the existence of other opportunities or the need to take advantage of changes in timing of our existing activities;
- the need or desire on our part to accelerate, increase or eliminate existing initiatives due to, among other things, changing market conditions and competitive developments; and/or
- if strategic opportunities present themselves (including acquisitions, joint ventures, licensing and other similar transactions).

From time to time, we evaluate these and other factors and we anticipate continuing to make such evaluations to determine if the existing allocation of resources, including the proceeds of this offering, is being optimized.

Pending the application of the net proceeds as described above, we will hold the net proceeds from this offering in short-term, interest-bearing securities.

DIVIDEND POLICY

We have not declared or paid dividends to common stockholders since inception and do not plan to pay cash dividends in the foreseeable future to common stockholders. We currently intend to retain earnings, if any, to finance our growth.

Dividends on the Series J Convertible Preferred Stock will be paid in-kind in additional shares of Series J Convertible Preferred Stock based on the stated value of \$25.00 per share at an assumed dividend rate of 20% per annum. The PIK dividends will be paid on a quarterly basis for three (3) years following the Closing Date to holders of the Series J Convertible Preferred Stock of record at the close of business at the end of October 31, January 31, April 30 and July 31 of each year.

CAPITALIZATION

The following table sets forth our actual cash and cash equivalents and our capitalization as of June 30, 2023 and on an adjusted basis to give effect to the sale by us of all 400,000 Units in this offering at an assumed public offering price of \$15.00 per Unit, after deducting the estimated placement agent fees and estimated offering expenses, and assuming no conversion of the Series J Convertible Preferred Stock and no exercise of the Warrants issued in connection with this offering.

You should read this information in conjunction with "Management's Discussion and Analysis of Financial Condition and Results of Operations" and our consolidated financial statements and related notes appearing in our <u>Annual Report on Form 10-K for the year ended December 31, 2022</u>, and our condensed consolidated financial statements and related notes appearing in our Quarterly Reports on Form 10-Q for the periods ended <u>March 31, 2023</u> and <u>June 30, 2023</u>, which are each incorporated by reference in this prospectus. The information below has been adjusted to reflect the effect of this current offering.

The as adjusted information set forth in the table below is illustrative only and will be adjusted based on the actual public offering price and other terms of this offering determined at pricing.

	As of June 30, 2023 (in thousands, except share and per share data)	
	Actual	As Adjusted(1)
Cash and cash equivalents	\$ 8,896	14,051
Stockholders' equity:		
Series A junior participating preferred stock, par value \$0.0001 per share; authorized 30,000 shares, none outstanding actual and as adjusted		—
Series F convertible preferred stock, par value \$0.0001 per share; authorized 127 shares, issued and outstanding 127 shares actual and as adjusted		_
Series J convertible preferred stock, par value \$0.0001 per share; authorized none and 1,700,000 shares, actual and as adjusted respectively, issued and outstanding none and 1,567,821 shares, actual and as adjusted respectively	_	_
Preferred stock, par value \$0.0001 per share; authorized 39,969,873 shares, none outstanding actual and as adjusted	_	_
Common stock, par value \$0.0001 per share; authorized 100,000,000 shares, issued and outstanding 1,864,265 shares actual and as adjusted	_	_
Additional paid-in capital	289,845	295,000
Accumulated other comprehensive income:		
Foreign currency translation adjustment	(24)	(24)
Unrealized gain on marketable securities	—	
Accumulated deficit	(278,747)	(278,747)
Total stockholders' equity	11,074	16,229

 As adjusted balance does not include Series J Convertible Redeemable Preferred Stock classified as liability or equity due to indeterminate conversion activity to take place upon issuance.

A \$3.00 increase or decrease in the assumed public offering price of \$15.00 per Unit would increase or decrease the proceeds from this offering by approximately \$1 million, assuming that the number of Units offered by us, as set forth on the cover page of this prospectus, remains the same and after deducting the estimated placement agent fees and estimated offering expenses payable by us. Similarly, each increase or decrease of 40,000 Units offered would increase or decrease our proceeds by approximately \$0.5 million, assuming the assumed public offering price remains the same, and after deducting estimated placement agent fees and estimated offering expenses payable by us and excluding the proceeds, if any, from the conversion of the Series J Convertible Preferred Stock and the exercise of the Warrants issued pursuant to this offering.

The above discussion and table are based 1,864,265 shares of common stock outstanding as of June 30, 2023 and excludes:

- 114,004 shares of our common stock issuable upon the exercise of outstanding stock options, having a weighted average exercise price of \$41.67 per share;
- 1,308,271 shares of our common stock issuable upon the exercise of outstanding warrants (other than the warrants offered hereby) with a weighted-average exercise price of \$35.51 per share;
- 5,080 shares of our common stock issuable upon the conversion of the 127 outstanding shares of our Series F Preferred Stock; and
- 46,727 shares of our common stock reserved for future issuance under our equity incentive plans;.

Except as otherwise noted, all information in this prospectus assumes:

- the conversion of the Series J Convertible Preferred Stock sold in this offering; and
- no exercise of the Warrants issued in connection with this offering.

SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT

The following table sets forth information regarding the beneficial ownership (as defined in Rule 13d-3 of the Exchange Act) of our common stock as of September 27, 2023 by (i) each of the directors and named executive officers, (ii) all of the directors and executive officers as a group, and (iii) to our knowledge, beneficial owners of more than 5% of our common stock. As of September 27, 2023, there were 1,864,265 shares of our common stock outstanding. Unless otherwise indicated and subject to applicable community property laws, each owner has sole voting and investment powers with respect to the securities listed below.

Name of Beneficial Owner	Number of Shares	Right to Acquire ⁽¹⁾	Total	Aggregate Percent of Class ⁽²⁾
John L. Erb	4	5,325(3)	5,329	*
Michael McCormick	—	820	820	*
Maria Rosa Costanzo, M.D.	—	—	—	—
Jon W. Salveson	—	1,336	1,336	*
Gregory D. Waller	—	1,336	1,336	*
Robert B. Scott	—	66	66	*
Nestor Jaramillo, Jr.	4,098	1,526	5,624	*
Neil P. Ayotte	—	360	360	*
Lynn Blake	100	0	100	*
All current directors and executive officers as a group (8 persons)	4,102	10,769	14,871	*%

Less than one percent.

(1) Except as otherwise described below, amounts reflect the number of shares that such holder could acquire through (i) the exercise of outstanding stock options, (ii) the vesting/settlement of outstanding RSUs, (iii) the exercise of outstanding warrants to purchase common stock, and (iv) the conversion of outstanding Series F Preferred Stock, in each case within 60 days after September 27, 2023.

(2) Based on 1,864,265 shares outstanding as of September 27, 2023.

(3) Consists of (i) 1,319 shares issuable upon the exercise of outstanding stock options, (ii) 6 shares issuable upon the exercise of outstanding warrants to purchase common stock and (iii) 4,000 shares issuable upon conversion of outstanding shares of Series F Convertible Preferred Stock (assuming all 100 shares of Series F Convertible Preferred Stock held by Mr. Erb are converted at once and rounded up to the nearest whole share).

DESCRIPTION OF SECURITIES BEING OFFERED

Description of Units

We are offering on a best-efforts basis up to 400,000 Units in this offering at the assumed public offering price of \$15.00 per Unit. Each Unit includes one share of our Series J Convertible Preferred Stock and one Warrant to purchase one-half of one (0.5) share of our Series J Convertible Preferred Stock at an exercise price equal to \$7.50 per one-half of one share of Series J Convertible Preferred Stock, which is 50% of the public offering price of the Units. Our Units will not be certificated and the shares of our Series J Convertible Preferred Stock and Warrants consisting of such Units are immediately separable and will be issued separately in this offering. We are also registering the shares of Series J Convertible Preferred Stock issuable as PIK dividends, the shares of Series J Convertible Preferred Stock issuable upon exercise of the Warrants and the shares of common stock issuable upon conversion of the Series J Convertible Preferred Stock. These securities are being issued pursuant to a securities purchase agreement between us and the purchasers. You should review the securities purchase agreement, the form of Certificate of Designations establishing the Series J Convertible Preferred Stock, the form of Warrant, the Warrant Agency Agreement, and the placement agency agreement between us and the placement agents, each of which are filed, or will be filed, as exhibits to the registration statement of which this prospectus is a part, for a complete description of the terms and conditions applicable to the Units, the Series J Convertible Preferred Stock and the Warrants.

Series J Convertible Preferred Stock Being Offered Pursuant to this Prospectus

The following describes the material terms of the Series J Convertible Preferred Stock. This is not a complete description and is subject to, and entirely qualified by reference to applicable provisions of our Certificate of Incorporation, Bylaws and the Certificate of Designations establishing the Series J Convertible Preferred Stock, which are filed with the SEC as exhibits to the registration statement of which this prospectus is a part, as well as the relevant portions of Delaware law. Capitalized terms used but not defined in this subsection shall have the meanings ascribed to them in the Certificate of Designations establishing the Series J Convertible Preferred Stock.

Pursuant to our Certificate of Incorporation, we are authorized to issue 40,000,000 shares of our preferred stock, par value \$0.0001 per share. As of the date of this prospectus, there are 30,000 shares designated as Series A Preferred Stock, of which no shares are issued and outstanding, and 127 shares designated as Series F Convertible Preferred Stock, of which 127 shares are issued and outstanding. In connection with this offering, our board of directors will designate approximately 1,700,000 of these shares of preferred stock as the "Series J Convertible Redeemable Preferred Stock", pursuant to a Certificate of Designation of Preferences, Rights and Limitations (the "Certificate of Designations") that sets forth the terms of such Series J Convertible Preferred Stock, with a liquidation preference of \$25.00 per share, which final number of designated shares will be based on the actual number of Series J Convertible Preferred Stock issued in connection with this offering.

In addition, subject to the limitations described herein, we may issue additional preferred stock from time to time in one or more series, each with such designation, powers, preferences and relative, participating, optional or other special rights, and the qualifications, limitations or restrictions applicable to any of those rights, including dividend rights, voting rights, conversion or exchange rights, terms of redemption and liquidation preferences, as the Board (or a duly authorized committee of the Board) may determine prior to the time of such issuance.

Listing. There is no established public trading market for, and we do not expect a market to develop for, the Series J Convertible Preferred Stock. In addition, we do not intend to apply to list the Series J Convertible Preferred Stock or the Warrants on any other national securities exchange or any other nationally recognized trading system, including Nasdaq.

Transfer Agent and Registrar. The transfer agent and registrar for the Series J Convertible Preferred Stock will be Equiniti Trust Company, LLC (the "Transfer Agent"). The Transfer Agent's address is 6201 15th Avenue, Brooklyn, NY, 11219. The Series J Convertible Preferred Stock will be issued and maintained in book-entry form registered in the name of the nominee, The Depository Trust Company. See "—Book–Entry Procedures" below.

Maturity. The Series J Convertible Preferred Stock matures three (3) years from the Closing Date.

Ranking and Liquidation Preference. Upon any liquidation, dissolution or winding-up of the Company, whether voluntary or involuntary, prior and in preference to the common stock, holders of the Series J

Convertible Preferred Stock shall be entitled to receive out of the assets available for distribution to stockholders an amount equal in cash to 100% of the aggregate Stated Value of \$25.00 per share (the "Stated Value") of all shares of Series J Convertible Preferred Stock held by such holder, and any other fees then due and owing thereon under the Certificate of Designations, and no more, and if the assets of the Company shall be insufficient to pay in full such amounts, then the entire assets to be distributed to the holders shall be ratably distributed among the holders in accordance with the respective amounts that would be payable on such shares if all amounts payable thereon were paid in full.

Dividends. The Certificate of Designations shall provide that dividends on the Series J Convertible Preferred Stock shall be paid in-kind in additional shares of Series J Convertible Preferred Stock based on the stated value of \$25.00 per share at an assumed annual dividend rate of 20% and a quarterly dividend rate of 5% (the "Quarterly Dividend Rate"). The PIK dividends will be paid on a quarterly basis for three (3) years following the Closing Date to holders of the Series J Convertible Preferred of record at the close of business at the end of October 31, January 31, April 30, and July 31 of each year (each a "Dividend Record Date") at the Quarterly Dividend Rate. PIK dividends on each share of Series J Convertible Preferred Stock shall be paid three business days after each Dividend Record Date in additional fully paid and nonassessable, registered shares of Series J Convertible Preferred Stock in a number equal to the quotient obtained by dividing (A) the product obtained by multiplying (i) the Quarterly Dividend Rate and (ii) the stated value of \$25.00 per share, by (B) the public offering price per Unit (equal to \$15.00, based on the assumed public offering price set forth on the cover page of the prospectus).

Conversion. The Series J Convertible Preferred Stock is convertible at any time at the option of the holder. Except as provided below, the Series J Convertible Preferred Stock is not convertible into or exchangeable for any other securities or property.

Conversion at Option of Holder. Each share of Series J Convertible Preferred Stock is convertible at the option of the holder at any time into shares of our common stock at the Conversion Price (assumed to be \$1.53 based on the closing price of our common stock on the Nasdaq Capital Market on September 27, 2023) which Conversion Price is subject to adjustment. The Conversion Price will equal the closing price of our common stock on the Nasdaq Capital market on the date on which the registration statement of which this prospectus forms a part is declared effective by the SEC. The Conversion Price is subject to adjustment for: (i) the payment of stock dividends or other distributions payable in common stock on the outstanding shares of our common stock, excluding the shares of common stock issuable upon the conversion of the Series J Convertible Preferred Stock; and (ii) subdivisions and combinations (including by way of a reverse stock split).

Holders shall effect conversions of the Series J Convertible Preferred Stock by providing us a conversion notice (a "Notice of Conversion"), duly completed and executed. The Notice of Conversion must specify the number of shares of Series J Convertible Preferred Stock then held by the holder and the number of such shares which the holder is converting. To effect conversions of shares of Series J Convertible Preferred Stock, a holder shall not be required to surrender the certificate(s), if any, representing the shares of Series J Convertible Preferred Stock to us unless all of the shares of Series J Convertible Preferred Stock represented thereby are so converted, in which case such holder shall deliver the certificate representing such shares of Series J Convertible Preferred Stock promptly following the conversion date at issue. Shares of Series J Convertible Preferred Stock converted into our shares of common stock shall be canceled and shall not be reissued.

If, at any time while the Series J Convertible Preferred Stock is outstanding: we (A) pay a stock dividend or otherwise make a distribution or distributions payable in shares of our common stock or any other Common Stock Equivalents (which, for avoidance of doubt, shall not include any shares of common stock issued by us upon conversion of the Series J Convertible Preferred Stock, or payment of a dividend on the Series J Convertible Preferred Stock) with respect to the then outstanding shares of common stock; (B) subdivide outstanding shares of common stock into a larger number of shares; (C) combine (including by way of a reverse stock split) outstanding shares of common stock into a smaller number of shares or (D) issue, in the event of a reclassification of shares of the common stock, any shares of our capital stock, which we refer to collectively as the "Anti-Dilution Provisions", then the Conversion Price shall be multiplied by a fraction of which the numerator shall be the number of shares of common stock (excluding any treasury shares) outstanding immediately before such event and of which the denominator shall be the number of shares of common stock outstanding immediately after such event (excluding any treasury shares). Any adjustment made as a result of the Anti-Dilution Provisions shall become effective immediately after the record date for the determination of shareholders entitled to receive such dividend or distribution and shall become effective immediately after the

effective date in the case of a subdivision or combination. All calculations will be made to the nearest cent or the nearest 1/100th of a share, as the case may be. For purposes of the Anti-Dilution Provisions, the number of shares of common stock deemed to be issued and outstanding as of a given date shall be the sum of the number of shares of common stock (excluding any treasury shares) issued and outstanding.

Whenever the Conversion Price is adjusted pursuant to any Anti-Dilution Provision, we will promptly deliver to each holder of Series J Convertible Preferred Stock a notice setting forth the Conversion Price after such adjustment and setting forth a brief statement of the facts requiring such adjustment. Notwithstanding the foregoing in no event may the Conversion Price be less than the par value per share of Series J Convertible Preferred Stock.

Obligations Absolute. Subject to holder's right to rescind a notice of conversion, our obligation to issue and deliver the shares of common stock upon conversion of Series J Convertible Preferred Stock in accordance with its terms are absolute and unconditional, irrespective of any action or inaction by a holder to enforce the same, any waiver or consent with respect to any provision hereof, the recovery of any judgment against any Person or any action to enforce the same, or any setoff, counterclaim, recoupment, limitation or termination, or any breach or alleged breach by such holder or any other Person of any obligation to us or any violation or alleged violation of law by such holder in connection with the issuance of such shares of common stock. If we fail to deliver to a holder shares of common stock upon conversion by the Share Delivery Date applicable to such conversion, we shall pay to such holder, in cash, as liquidated damages and not as a penalty, for each \$250 of Stated Value of Series J Convertible Preferred Stock being converted, \$2.50 per Trading Day (increasing to \$5 per Trading Day on the third Trading Day after the Share Delivery Date and increasing to \$10 per Trading Day on the sixth Trading Day after the Share Delivery Date until such Conversion Shares are delivered or Holder rescinds such conversion.

Buy-In on Failure to Timely Deliver Certificates Upon Conversion. If we fail to deliver to a holder the applicable certificate or certificates or to effect a delivery via DWAC, as applicable, by the Share Delivery Date (other than a failure caused by incorrect or incomplete information provided by the holder to us), and if after such Share Delivery Date the holder is required by its brokerage firm to purchase (in an open market transaction or otherwise), or the holder's brokerage firm otherwise purchases, shares of common stock to deliver in satisfaction of a sale by such holder of the Conversion Shares which the holder was entitled to receive upon the conversion relating to such Share Delivery Date (a "Buy-In"), then we are obligated to (A) pay in cash to the holder (in addition to any other remedies available to or elected by the holder) the amount by which (x) the holder's total purchase price (including any brokerage commissions) for the shares of common stock so purchased exceeds (v) the product of (1) the aggregate number of shares of common stock that such holder was entitled to receive from the conversion at issue multiplied by (2) the actual sale price at which the sell order giving rise to such purchase obligation was executed (including any brokerage commissions) and (B) at the option of the holder, either reissue (if surrendered) the shares of Series J Convertible Preferred Stock equal to the number of shares of Series J Convertible Preferred Stock submitted for conversion or deliver to the holder the number of shares of common stock that would have been issued if we had timely complied with our delivery requirements. For example, if a holder purchases shares of common stock having a total purchase price of \$11,000 to cover a Buy-In with respect to an attempted conversion of shares of Series J Convertible Preferred Stock with respect to which the actual sale price (including any brokerage commissions) giving rise to such purchase obligation was a total of \$10,000 under clause (A) of the immediately preceding sentence, we would be required to pay such holder \$1,000. The holder shall provide us written notice, within three Trading Days after the occurrence of a Buy-In, indicating the amounts payable to such holder in respect of such Buy-In together with applicable confirmations and other evidence reasonably requested by us. Nothing herein shall limit a holder's right to pursue any other remedies available to it hereunder, at law or in equity including, without limitation, a decree of specific performance and/or injunctive relief with respect our failure to timely deliver certificates representing shares of common stock upon conversion of the shares of Series J Convertible Preferred Stock as required pursuant to the terms hereof; provided, however, that the holder shall not be entitled to both (i) require the reissuance of the shares of Series J Convertible Preferred Stock submitted for conversion for which such conversion was not timely honored and (ii) receive the number of shares of common stock that would have been issued if we had timely complied with applicable delivery requirements.

Reservation of Shares Issuable Upon Conversion. We have agreed that we will at all times reserve and keep available out of our authorized and unissued shares of common stock for the sole purpose of issuance upon conversion of the Series J Convertible Preferred Stock, free from preemptive rights or any other actual contingent purchase rights of Persons other than the holders of the Series J Convertible Preferred Stock, not less than such aggregate number of shares of the common stock as shall be issuable upon the conversion of all outstanding shares of Series J Convertible Preferred Stock. We have further agreed that all shares of common stock that shall be so issuable shall, upon issue, be duly authorized, validly issued, fully paid, nonassessable and free and clear of all liens and other encumbrances.

Beneficial Ownership Limitation. Notwithstanding anything herein to the contrary, we shall not effect any conversion of the Series J Convertible Preferred Stock, and a Holder shall not have the right to convert any portion of the Series J Convertible Preferred Stock, to the extent that, after giving effect to the conversion set forth on the applicable Notice of Conversion, such Holder (together with such Holder's Affiliates, and any Persons acting as a group together with such Holder or any of such Holder's Affiliates (such Persons, "Attribution Parties")) would beneficially own in excess of the Beneficial Ownership Limitation (as defined below). For purposes of the foregoing sentence, the number of shares of common stock beneficially owned by such Holder and its Affiliates and Attribution Parties shall include the number of shares of common stock issuable upon conversion of the Series J Convertible Preferred Stock with respect to which such determination is being made, but shall exclude the number of shares of common stock which are issuable upon (i) conversion of the remaining, unconverted Series J Convertible Preferred Stock beneficially owned by such Holder or any of its Affiliates or Attribution Parties and (ii) exercise or conversion of the unexercised or unconverted portion of any other of our securities subject to a limitation on conversion or exercise analogous to the limitation contained herein (including, without limitation, the Series J Convertible Preferred Stock) beneficially owned by such Holder or any of its Affiliates or Attribution Parties. Except as set forth in the preceding sentence, for purposes of this section, beneficial ownership shall be calculated in accordance with Section 13(d) of the Exchange Act and the rules and regulations promulgated thereunder. To the extent that the limitation contained in this section applies, the determination of whether the Series J Convertible Preferred Stock is convertible (in relation to other securities owned by such Holder together with any Affiliates and Attribution Parties) and of how many shares of Series J Convertible Preferred Stock are convertible shall be in the sole discretion of such Holder, and the submission of a Notice of Conversion shall be deemed to be such Holder's determination of whether the shares of Series J Convertible Preferred Stock may be converted (in relation to other securities owned by such Holder together with any Affiliates and Attribution Parties) and how many shares of the Series J Convertible Preferred Stock are convertible, in each case subject to the Beneficial Ownership Limitation. To ensure compliance with this restriction, each Holder will be deemed to represent to us each time it delivers a Notice of Conversion that such Notice of Conversion has not violated the restrictions set forth in this section and we shall have no obligation to verify or confirm the accuracy of such determination. In addition, a determination as to any group status as contemplated above shall be determined in accordance with Section 13(d) of the Exchange Act and the rules and regulations promulgated thereunder. For purposes of this section, in determining the number of outstanding shares of common stock, a Holder may rely on the number of outstanding shares of common stock as stated in the most recent of the following: (i) our most recent periodic or annual report filed with the Commission, as the case may be, (ii) a more recent public announcement by us or (iii) a more recent written notice by us or the Transfer Agent setting forth the number of shares of common stock outstanding. Upon the written or oral request (which may be via email) of a Holder, we within one (1) Trading Day confirm orally and in writing to such Holder the number of shares of common stock then outstanding. In any case, the number of outstanding shares of common stock shall be determined after giving effect to the conversion or exercise of our securities, including the Series J Convertible Preferred Stock, by such Holder or its Affiliates or Attribution Parties since the date as of which such number of outstanding shares of common stock was reported. The "Beneficial Ownership Limitation" shall be 4.99% (or, upon election by a Holder prior to the issuance of any shares of Series J Convertible Preferred Stock, 9.99%) of the number of shares of the common stock outstanding immediately after giving effect to the issuance of shares of common stock issuable upon conversion of Series J Convertible Preferred Stock held by the applicable Holder. A Holder, upon notice to us, may increase or decrease the Beneficial Ownership Limitation provisions of this section applicable to its Series J Convertible Preferred Stock; provided, that the Beneficial Ownership Limitation shall not in any event exceed 9.99% of the number of shares of the common stock outstanding immediately after giving effect to the issuance of shares of common stock upon conversion of this Series J Convertible Preferred Stock held by the Holder and the provisions of this section shall continue to apply. Any such increase will not be effective until the 61st day after such notice is

delivered to us and shall only apply to such Holder and no other Holder. The Beneficial Ownership Limitation shall not be waived by us or the Holder and upon issuance of the Series J Convertible Preferred Stock by us, and the purchase thereof by the Holder, each of us and the Holder shall be deemed to acknowledge such limitation and to agree not to waive it. The provisions of this section shall be construed and implemented in a manner otherwise than in strict conformity with the terms of this section to correct this section (or any portion hereof) which may be defective or inconsistent with the intended Beneficial Ownership Limitation contained herein or to make changes or supplements necessary or desirable to properly give effect to such limitation. The limitations contained in this subsection shall apply to a successor holder of Series J Convertible Preferred Stock.

Subsequent Rights Offerings. In addition to any anti-dilution adjustments described above, if at any time we grant, issue or sell any Common Stock Equivalents or rights to purchase stock, warrants, securities or other property pro rata to the record holders of common stock or any class thereof (the "Purchase Rights"), then the Holder will be entitled to acquire, upon the terms applicable to such Purchase Rights, the aggregate Purchase Rights which the Holder could have acquired if the Holder had held the number of shares of common stock acquirable upon complete conversion of such Holder's Series J Convertible Preferred Stock (without regard to any limitations on exercise hereof, including without limitation, the Beneficial Ownership Limitation) immediately before the date on which a record is taken for the grant, issuance or sale of such Purchase Rights, or, if no such record is taken, the date as of which the record holders of shares of common stock are to be determined for the grant, issue or sale of such Purchase Rights (provided, however, that, to the extent that the Holder's right to participate in any such Purchase Right would result in the Holder exceeding the Beneficial Ownership Limitation, then the Holder shall not be entitled to participate in such Purchase Right to such extent (or beneficial ownership of such shares of common stock as a result of such Purchase Right to such extent) and such Purchase Right to such extent shall be held in abeyance for the Holder until such time, if ever, as its right thereto would not result in the Holder exceeding the Beneficial Ownership Limitation to such extent shall be held in abeyance for the Holder until such time, if ever, as its right thereto would not result in the Holder exceeding the Beneficial Ownership Limitation.

Pro Rata Distributions. During such time as the Series J Convertible Preferred Stock is outstanding, if we declare or make any dividend or other distribution of our assets (or rights to acquire its assets) to holders of common stock, by way of return of capital or otherwise (including, without limitation, any distribution of cash, stock or other securities, property or options by way of a dividend, spin off, reclassification, corporate rearrangement, scheme of arrangement or other similar transaction) (a "Distribution"), then, in each such case, the Holder shall be entitled to participate in such Distribution to the same extent that the Holder would have participated therein if the Holder had held the number of shares of common stock acquirable upon complete conversion of the Series J Convertible Preferred Stock (without regard to any limitations on conversion hereof, including without limitation, the Beneficial Ownership Limitation) immediately before the date of which a record is taken for such Distribution, or, if no such record is taken, the date as of which the record holders of shares of our common stock are to be determined for the participation in such Distribution (provided, however, that, to the extent that the Holder's right to participate in any such Distribution would result in the Holder exceeding the Beneficial Ownership Limitation, then the Holder shall not be entitled to participate in such Distribution to such extent (or in the beneficial ownership of any shares of common stock as a result of such Distribution to such extent) and the portion of such Distribution shall be held in abeyance for the benefit of the Holder until such time, if ever, as its right thereto would not result in the Holder exceeding the Beneficial Ownership Limitation).

Fundamental Transactions. In the event of a Fundamental Transaction and generally including any reorganization, recapitalization or reclassification of our common stock, the sale, transfer or other disposition of all or substantially all of our properties or assets, our consolidation or merger with or into another person, or the acquisition of more than 50% of our outstanding common stock, the holders of the Series J Convertible Preferred Stock will be entitled to receive upon conversion of the Series J Convertible Preferred Stock the kind and amount of securities, cash or other property that the holders would have received had they converted the Series J Convertible Preferred Stock immediately prior to such Fundamental Transaction (without regard to the Beneficial Ownership Limitation).

Mandatory Redemption. If any shares of Series J Convertible Preferred Stock are outstanding at the end of the three (3) year term, then we shall promptly redeem all of such outstanding shares of Series J Convertible Preferred Stock on a pro rata basis among all of the Holders of Series J Convertible Preferred Stock commencing on the third-year anniversary of the Closing Date at a price per Series J Convertible Preferred Share equal to the sum of (x) 100% of the Stated Value plus (y) all other amounts due in respect of the Series J Convertible Preferred Stock (if any). If on the Mandatory Redemption Date, Delaware law governing distributions to

stockholders prevents the Company from redeeming all shares of Series J Preferred Stock to be redeemed, then the Corporation shall, provided there is no prohibition under Delaware law, redeem the Series J Convertible Preferred Stock by paying to the Holder the unpaid cash redemption payment in duly authorized, validly issued, fully paid and non-assessable shares of Common Stock equal in number to the quotient obtained by dividing such unpaid amount by the closing price of the Common Stock on the Trading Market on the Mandatory Redemption Date.

Limited Voting Rights. Holders of the Series J Convertible Preferred Stock will not have any voting rights, except as described below or as otherwise required by law.

In any matter in which the Series J Convertible Preferred Stock may vote (as expressly provided herein or as may be required by law), each share of Series J Convertible Preferred Stock will be entitled to one vote per share. So long as any shares of Series J Convertible Preferred Stock remain outstanding, the Company will not, without the consent or the affirmative vote of a majority of the outstanding shares of Series J Convertible Preferred Stock, given in person or by proxy, either in writing without a meeting or by vote at any meeting called for the purpose: (i) alter or change adversely the powers, preferences or rights given to the Series J Convertible Preferred Stock or alter or amend adversely the Certificate of Designations; (ii) increase the number of authorized shares of Series J Convertible Preferred Stock; or (iii) enter into any agreement with respect to any of the foregoing.

The rules and procedures for calling and conducting any meeting of the holders of the Series J Convertible Preferred Stock (including, without limitation, the fixing of a record date in connection therewith), the solicitation and use of proxies at such a meeting, the obtaining of written consents and any other aspect or matter with regard to such a meeting or such consents shall be governed by any rules the Board of Director (or a duly authorized committee of the Board of Directors), in its discretion, may adopt from time to time, which rules and procedures shall conform to the requirements of the Certificate of Incorporation, Bylaws, applicable law and any national securities exchange or other trading facility on which the Series J Convertible Preferred Stock may be listed or traded at the time.

Holders of the Series J Convertible Preferred Stock will not have any voting rights with respect to, and the consent of the holders of the Series J Convertible Preferred Stock is not required for, the taking of any corporate action, including any merger or consolidation involving the Company or a sale of all or substantially all of the Company's assets, regardless of the effect that such merger, consolidation or sale may have upon the powers, preferences, voting power or other rights or privileges of the Series J Convertible Preferred Stock, except as described above.

No Preemptive Rights. No holders of the Series J Convertible Preferred Stock will, as holders of Series J Convertible Preferred Stock, have any preemptive rights to purchase or subscribe for the common stock or any other security.

Exclusion of Other Rights. The shares of the Series J Convertible Preferred Stock do not have any voting powers, preferences or relative, participating, optional or other special rights, or qualifications, limitations or restrictions thereof, other than as set forth in the Certificate of Designations or in our Certificate of Incorporation.

Registration; Transfer. Pursuant to the terms of the Certificate of Designations, the Company is obligated to maintain an effective registration statement covering: (a) the issuance of shares of common stock issuable upon conversion of the Series J Convertible Preferred Stock and (b) the issuance of additional shares of Series J Convertible Preferred Stock (and no Warrants exercisable for shares of Series J Convertible Preferred Stock) remain outstanding, unless there is available an exemption from, or a transaction not subject to, the registration requirements of the Securities Act that covers the issuance of the Series J Convertible Preferred Stock and the shares of common stock issuable upon conversion of such shares of Series J Convertible Preferred Stock and the shares of common stock issuable upon conversion of such shares of Series J Convertible Preferred Stock and the shares of common stock issuable upon conversion of such shares of Series J Convertible Preferred Stock.

Book-Entry Procedures. DTC will act as securities depositary for the Series J Convertible Preferred Stock offered hereunder. With respect to the Series J Convertible Preferred Stock offered hereunder, we will issue one or more fully registered global securities certificates in the name of DTC or DTC's nominee. These certificates will represent the total aggregate number of shares of Series J Convertible Preferred Stock. We will deposit these certificates with DTC or a custodian appointed by DTC. We will not issue certificates to you for the shares of Series J Convertible Preferred Stock that you purchase, unless DTC's services are discontinued as described below.

Title to book-entry interests in the Series J Convertible Preferred Stock will pass by book-entry registration of the transfer within the records of DTC in accordance with its procedures. Book-entry interests in the securities may be transferred within DTC in accordance with procedures established for these purposes by DTC. Each person owning a beneficial interest in shares of the Series J Convertible Preferred Stock must rely on the procedures of DTC and the participant through which such person owns its interest to exercise its rights as a holder of the Series J Convertible Preferred Stock. DTC has advised us that it is a limited-purpose trust company organized under the New York Banking Law, a member of the Federal Reserve System, a "clearing corporation" within the meaning of the New York Uniform Commercial Code and a "clearing agency" registered under the provisions of Section 17A of the Exchange Act. DTC holds securities that its participants ("Direct Participants") deposit with DTC. DTC also facilitates the settlement among Direct Participants of securities transactions, such as transfers and pledges in deposited securities through electronic computerized book-entry changes in Direct Participants' accounts, thereby eliminating the need for physical movement of securities certificates. Direct Participants include securities brokers and dealers, banks, trust companies, clearing corporations, and certain other organizations. Access to the DTC system is also available to others such as securities brokers and dealers, including the Placement Agent, banks and trust companies that clear through or maintain a custodial relationship with a Direct Participant, either directly or indirectly ("Indirect Participants"). The rules applicable to DTC and its Direct and Indirect Participants are on file with the SEC.

When you purchase shares of Series J Convertible Preferred Stock within the DTC system, the purchase must be by or through a Direct Participant. The Direct Participant will receive a credit for the Series J Convertible Preferred Stock on DTC's records. You will be considered to be the "beneficial owner" of the Series J Convertible Preferred Stock. Your beneficial ownership interest will be recorded on the Direct Participants and Indirect Participants' records, but DTC will have no knowledge of your individual ownership. DTC's records reflect only the identity of the Direct Participants to whose accounts shares of Series J Convertible Preferred Stock are credited.

You will not receive written confirmation from DTC of your purchase. The Direct Participants or Indirect Participants through whom you purchased the Series J Convertible Preferred Stock should send you written confirmations providing details of your transactions, as well as periodic statements of your holdings. The Direct Participants and Indirect Participants are responsible for keeping an accurate account of the holdings of their customers like you.

Transfers of ownership interests held through Direct Participants and Indirect Participants will be accomplished by entries on the books of Direct Participants and Indirect Participants acting on behalf of the beneficial owners.

The laws of some states may require that specified purchasers of securities take physical delivery of shares of Series J Convertible Preferred Stock in definitive form. These laws may impair the ability to transfer beneficial interests in the global certificates representing the Series J Convertible Preferred Stock.

Conveyance of notices and other communications by DTC to Direct Participants, by Direct Participants to Indirect Participants, and by Direct Participants and Indirect Participants to beneficial owners will be governed by arrangements among them, subject to any statutory or regulatory requirements as may be in effect from time to time.

We understand that, under DTC's existing practices, in the event that we request any action of the holders, or an owner of a beneficial interest in a global security, such as you, desires to take any action that a holder is entitled to take under our Certificate of Incorporation (including the Certificate of Designations designating the Series J Convertible Preferred Stock), DTC would authorize the Direct Participants holding the relevant shares to take such action, and those Direct Participants and any Indirect Participants would authorize beneficial owners owning through those Direct Participants and Indirect Participants to take such action or would otherwise act upon the instructions of beneficial owners owning through them.

Any redemption notices with respect to the Series J Convertible Preferred Stock will be sent to DTC or its nominee. If less than all of the outstanding shares of Series J Convertible Preferred Stock are being redeemed, DTC will reduce each Direct Participant's holdings of shares of Series J Convertible Preferred Stock in accordance with its procedures.

In those instances where a vote is required, neither DTC nor its nominee will consent or vote with respect to the shares of Series J Convertible Preferred Stock. Under its usual procedures, DTC would mail an omnibus



proxy to us as soon as possible after the record date. The omnibus proxy assigns DTC's or its nominee's consenting or voting rights to those Direct Participants whose accounts the shares of Series J Convertible Preferred Stock are credited to on the record date, which are identified in a listing attached to the omnibus proxy.

Dividends on the Series J Convertible Preferred Stock are made directly to DTC (or its successor, if applicable). DTC's practice is to credit participants' accounts on the relevant payment date in accordance with their respective holdings shown on DTC's records unless DTC has reason to believe that it will not receive payment on that payment date.

Payments by Direct Participants and Indirect Participants to beneficial owners will be governed by standing instructions and customary practices, as is the case with securities held for the accounts of customers in bearer form or registered in "street name." These payments will be the responsibility of the participant and not of DTC, us or any agent of ours. DTC may discontinue providing its services as securities depositary with respect to the Series J Convertible Preferred Stock at any time by giving reasonable notice to us. Additionally, we may decide to discontinue the book-entry only system of transfers with respect to the Series J Convertible Preferred Stock. In that event, we will print and deliver certificates in fully registered form for the Series J Convertible Preferred Stock. If DTC notifies us that it is unwilling to continue as securities depositary, or it is unable to continue or ceases to be a clearing agency registered under the Exchange Act and a successor depositary is not appointed by us within 90 days after receiving such notice or becoming aware that DTC is no longer so registered, we will issue the Series J Convertible Preferred Stock in definitive form, at our expense, upon registration of transfer of, or in exchange for, such global security.

According to DTC, the foregoing information with respect to DTC has been provided to the financial community for informational purposes only and is not intended to serve as a representation, warranty or contract modification of any kind.

Global Clearance and Settlement Procedures. Initial settlement for the Series J Convertible Preferred Stock will be made in immediately available funds. Secondary market trading among DTC's participants occurs in the ordinary way in accordance with DTC's rules and will be settled in immediately available funds using DTC's Same-Day Funds Settlement System.

Direct Registration System. The Series J Convertible Preferred Stock will be registered in book-entry form through the Direct Registration System (the "DRS"). The DRS is a system administered by DTC pursuant to which the depositary may register the ownership of uncertificated shares, which ownership shall be evidenced by periodic statements issued by the depositary to the holders of shares of Series J Convertible Preferred Stock entitled thereto. This direct registration form of ownership allows investors to have securities registered in their names without requiring the issuance of a physical stock certificate, eliminates the need for you to safeguard and store certificates and permits the electronic transfer of securities to effect transactions without transferring physical certificates.

Common Stock

The material terms of our common stock are described under the caption "Description of Capital Stock" in this prospectus.

Description of Warrants Included in the Units

The following summary of certain terms and provisions of the Warrants offered hereby is not complete and is subject to, and qualified in its entirety by, the provisions of the form of Warrant Agency Agreement between us and the Warrant Agent, and the form of Warrant, both of which are filed as exhibits to the registration statement of which this prospectus forms a part. Prospective investors should carefully review the terms and provisions set forth in form of Warrant Agency Agreement, including the annexes thereto, and the form of Warrant. Capitalized terms used but not defined in this subsection shall have the meanings ascribed to them in the Warrants.

Exercisability. The Warrants are exercisable at any time after their original issuance and at any time up to the date that is three years after the Closing Date. The Warrants will be exercisable, at the option of each holder, in whole or in part by delivering to us a duly executed exercise notice and, by payment in full in immediately available funds for the number of shares of Series J Convertible Preferred Stock purchased upon such exercise. The Warrants will not include a cashless exercise feature. No fractional shares will be issued in connection with the exercise of a Warrant. In lieu of fractional shares, we will pay the holder an amount in cash equal to the

fractional amount multiplied by the Stated Value of the Series J Convertible Preferred Stock. Accordingly, a holder of the Warrants is entitled to exercise a number of Warrants that would solely result in the holder receiving one or more whole shares of Series J Convertible Preferred Stock. If we fail to deliver to a holder the applicable certificate or certificates or to effect a delivery via DWAC, as applicable, (other than certain specified failures) and the holder is required by its brokerage firm to purchase (in an open market transaction or otherwise), or the holder's brokerage firm otherwise purchases, shares of common stock to deliver in satisfaction of a sale by such holder of the Series J Convertible Preferred Stock which the holder anticipated receiving upon such exercise, then we shall (A) pay in cash to the holder the amount, if any, by which (x) the holder's total purchase price (including brokerage commissions, if any) for the shares of Series J Convertible Preferred Stock so purchased exceeds (y) the amount obtained by multiplying (1) the number of shares of Series J Convertible Preferred Stock that we were required to deliver to the holder in connection with the exercise at issue times (2) the price at which the sell order giving rise to such purchase obligation was executed, and (B) at the option of the holder, either reinstate the portion of the Warrant and equivalent number of shares of Series J Convertible Preferred Stock for which such exercise was not honored (in which case such exercise shall be deemed rescinded) or deliver to the holder the number of shares of Series J Convertible Preferred Stock that would have been issued had we timely complied with its exercise and delivery obligations hereunder.

Exercise Limitation. A holder will not have the right to exercise any portion of the Warrant if the holder (together with its affiliates) would beneficially own in excess of 4.99% of the number of shares of our common stock outstanding immediately after giving effect to the exercise, as such percentage ownership is determined in accordance with the terms of the Warrants. However, any holder may increase or decrease such percentage to any other percentage not in excess of 9.99%, provided that any increase in such percentage shall not be effective until 61 days following notice from the holder to us.

Exercise Price. The exercise price per Warrant is \$7.50 to purchase one-half (0.5) of one shares of our Series J Convertible Preferred Stock, which is 50% of the public offering price per Unit. The exercise price is subject to appropriate adjustment in the event of certain stock dividends and distributions, stock splits, stock combinations, reclassifications or similar events affecting our common stock and also upon any distributions of assets, including cash, stock or other property to our stockholders.

Adjustments. If, at any time while the Warrants are outstanding: we (A) pay a stock dividend or otherwise make a distribution or distributions payable in shares of our Series J Convertible Preferred Stock (which, for avoidance of doubt, shall not include any shares of Series J Convertible Preferred Stock issued by us upon exercise of the Warrants and shall not include any of the PIK dividends to be paid to holders of shares of Series J Convertible Preferred Stock); (B) subdivide outstanding shares of Series J Convertible Preferred Stock into a larger number of shares; (C) combine (including by way of a reverse stock split) outstanding shares of Series J Convertible Preferred Stock into a smaller number of shares or (D) issue, in the event of a reclassification of shares of the Series J Convertible Preferred Stock, any shares of our capital stock, which we refer to collectively as the "Anti-Dilution Provisions", then the number of shares issuable upon exercise of the Warrants shall be proportionately adjusted such that the aggregate Exercise Price of the Warrants shall remain unchanged.

Subsequent Rights Offerings. In addition to any adjustments pursuant to the paragraph above, if at any time that a Warrant is outstanding we grant, issue or sell any Preferred Stock Equivalents or rights to purchase shares, warrants, securities or other property pro rata to all of the record holders of the Series J Convertible Preferred Stock (the "Purchase Rights"), then the Holder or the Warrant will be entitled to acquire, upon the terms applicable to such Purchase Rights, the aggregate Purchase Rights which the Holder could have acquired if the Holder had held the number of shares of Series J Convertible Preferred Stock acquirable upon complete exercise of this Warrant (without regard to any limitations on exercise hereof, including without limitation, the Beneficial Ownership Limitation) immediately before the date on which a record is taken for the grant, issuance or sale of such Purchase Rights, or, if no such record is taken, the date as of which the record holders of shares of Series J Convertible Preferred Stock are to be determined for the grant, issue or sale of such Purchase Rights.

Pro Rata Distributions. During such time as a Warrant is outstanding, if we shall declare or make any dividend or other distribution of our assets (or rights to acquire our assets) to holders of shares of Series J Convertible Preferred Stock, by way of return of capital or otherwise (including, without limitation, any distribution of cash, share or other securities, property or options by way of a dividend, spin off, reclassification, corporate rearrangement, scheme of arrangement or other similar transaction) (except to the extent an adjustment was already made pursuant to the second preceding paragraph) (a "Distribution"), at any time after the issuance

of the Warrants, then, in each such case, the Holder shall be entitled to participate in such Distribution to the same extent that the Holder would have participated therein if the Holder had held the number of shares of Series J Convertible Preferred Stock acquirable upon complete exercise of the Warrant immediately before the date of which a record is taken for such Distribution, or, if no such record is taken, the date as of which the record holders of shares of Series J Convertible Preferred Stock are to be determined for the participation in such Distribution. Any Distribution or Distributions to be paid to any holder of shares of Series J Convertible Preferred Stock arising as a result of our obligation to issue PIK dividends on the Series J Convertible Preferred Stock pursuant to the Certificate of Designations, shall be held in trust for the benefit of such holder of shares of Series J Convertible Preferred Stock holding the Warrant at the time of exercise of the Warrant, and paid to such holder only upon such exercise.

Transferability. Subject to applicable laws, the Warrants may be offered for sale, sold, transferred or assigned without our consent.

No Listing. There is no established public trading market for, and we do not expect a market to develop for, the Warrants. In addition, we do not intend to apply for listing of the Warrants on any securities exchange or trading system, including Nasdaq. Without an active market, the liquidity of the Warrants will be limited.

Warrant Agent; Global Certificate. The Warrants will be issued in registered form under a Warrant Agency Agreement between us and the Warrant Agent, Equiniti Trust Company, LLC. The Warrants shall initially be represented only by one or more global warrants deposited with the Warrant Agent, as custodian on behalf of The Depository Trust Company (DTC) and registered in the name of Cede & Co., a nominee of DTC, or as otherwise directed by DTC.

Fundamental Transactions. In the event of a "fundamental transaction," as defined in the Warrants and generally including any reorganization, recapitalization or reclassification of our common stock, the sale, transfer or other disposition of all or substantially all of our properties or assets, our consolidation or merger with or into another person, the acquisition of more than 50% of our outstanding common stock, or any person or group becoming the beneficial owner of 50% of the voting power represented by our outstanding common stock, the holders of the Warrants will be entitled to receive upon exercise of the Warrants the kind and amount of securities, cash or other property that the holders would have received had they exercised the Warrants immediately prior to such fundamental transaction.

Registration; Transfer. Pursuant to the terms of the Warrants, we are obligated to maintain an effective registration statement covering the issuance of the shares of Series J Convertible Preferred Stock upon exercise of the Warrants and the shares of common stock issuable upon conversion of such shares of Series J Convertible Preferred Stock until such time as no Warrants remain outstanding, unless there is available an exemption from, or a transaction not subject to, the registration requirements of the Securities Act that covers the issuance of the Series J Convertible Preferred Stock and the shares of common stock issuable upon conversion of such shares of Series J Convertible Preferred Stock.

Rights as a Stockholder. Except as otherwise provided in the Warrants or by virtue of such holder's ownership of our common stock, the holder of a Warrant does not have the rights or privileges of a holder of our common stock, including any voting rights, until the holder exercises the Warrant and converts the shares of Series J Convertible Preferred Stock received upon such exercise into shares of common stock.

Governing Law. The Warrants and the Warrant Agency Agreement are governed by New York law.

DESCRIPTION OF CAPITAL STOCK

Description of Capital Stock

Our authorized capital stock consists of 100,000,000 shares of common stock, par value \$0.0001 per share, and 40,000,000 shares of preferred stock, par value \$0.0001 per share, 30,000 of which are designated as Series A Junior Participating Preferred Stock and 127 of which are designated Series F Convertible Preferred Stock (the "Series F Preferred Stock") as of September 27, 2023. Once shares of Series F Preferred Stock are converted, redeemed or reacquired by us, such shares shall resume the status of authorized but unissued shares of undesignated preferred stock.

As of September 27, 2023, we had (i) 1,864,265 outstanding shares of common stock, (ii) 127 outstanding shares of Series F Preferred Stock, which, at the currently applicable conversion price, would convert into 5,080 shares of common stock, subject to future adjustment, (iii) outstanding options to acquire 111,275 shares of our common stock, and (iv) outstanding warrants to purchase 1,308,271 shares of our common stock.

The following description summarizes the most important terms of our capital stock. Because it is only a summary, it does not contain all the information that may be important to you. For a complete description you should refer to our certificate of incorporation, bylaws and certificate of designation of preferences, rights and limitations of Series F Preferred Stock, copies of which have been incorporated by reference as exhibits to the registration statement of which this prospectus forms a part, and to the applicable provisions of the DGCL.

Dividends

Holders of our common stock are entitled to receive dividends when and as declared by our board of directors out of funds legally available.

Voting

Holders of our common stock are entitled to one vote for each share on each matter properly submitted to our stockholders for their vote; provided however, that except as otherwise required by law, holders of our common stock will not be entitled to vote on any amendment to our certificate of incorporation (including any certificate of designation filed with respect to any series of preferred stock) that relates solely to the terms of a series of outstanding preferred stock if the holders of such affected series are entitled, either separately or together as a class with the holders of one or more other such series, to vote thereon by law or pursuant to our certificate of incorporation (including any certificate of designation filed with respect to any series of preferred stock).

Subject to the voting restrictions described above, holders of our common stock may adopt, amend or repeal our bylaws and/or alter certain provisions of our certificate of incorporation with the affirmative vote of the holders of at least 66 2/3% of the voting power of all of the then-outstanding shares of our capital stock entitled to vote generally in the election of directors, voting together as a single class, in addition to any vote of the holders of a class or series of our stock required by law or our certificate of incorporation. Those provisions of our certificate of incorporation that may be altered only by the super-majority vote described above relate to:

- the number of directors on our board of directors, the classification of our board of directors and the terms
 of the members of our board of directors;
- the limitations on removal of any of our directors described below under "Description of Capital Stock Anti-Takeover Effects of Certain Provisions of Our Certificate of Incorporation and Bylaws and Delaware Law;"
- the ability of our directors to fill any vacancy on our board of directors by the affirmative vote of a majority of the directors then in office under certain circumstances;
- the ability of our board of directors to adopt, amend or repeal our bylaws and the super-majority vote of our stockholders required to adopt, amend or repeal our bylaws described above;
- the limitation on action of our stockholders by written action described below under "Description of Capital Stock —Anti-Takeover Effects of Certain Provisions of Our Certificate of Incorporation and Bylaws and Delaware Law;"

- the choice of forum provision described below under "Description of Capital Stock –Choice of Forum;"
- the limitations on director liability and indemnification described below under the heading "Description of Capital Stock –Limitation on Liability of Directors and Indemnification;" and
- the super-majority voting requirement to amend our certificate of incorporation described above.

Conversion, Redemption and Preemptive Rights

Holders of our common stock do not have any conversion, redemption or preemptive rights pursuant to our organizational documents.

Liquidation, Dissolution and Winding-up

In the event of our liquidation, dissolution or winding up, holders of our common stock are entitled to share ratably in any assets remaining after the satisfaction in full of the prior rights of creditors and the aggregate of any liquidation preference pursuant to the terms of any certificate of designations filed with respect to any series of preferred stock, including our outstanding Series F Preferred Stock.

Listing

Our common stock is listed on the Nasdaq Capital Market under the symbol "NUWE."

Description of Preferred Stock

We may issue any class of preferred stock in any series. Our board of directors has the authority to establish and designate series, and to fix the number of shares included in each such series and to determine or alter for each such series, such voting powers, designation, preferences, and relative participating, optional, or other rights and such qualifications, limitations or restrictions thereof. Our board of directors is not restricted in repurchasing or redeeming such stock while there is any arrearage in the payment of dividends or sinking fund installments. Our board of directors is authorized to increase or decrease the number of shares of any series subsequent to the issuance of shares of that series, but not below the number of shares of such series then outstanding. The number of authorized shares of preferred stock may be increased or decreased, but not below the number of shares thereof then outstanding, by the affirmative vote of the holders of a majority of the common stock, without a vote of the holders of the preferred stock, or of any series thereof, unless a vote of any such holders is required pursuant to the terms of any certificate of designation filed with respect to any series of preferred stock.

Prior to issuance of shares of any series of preferred stock, our board of directors is required by Delaware law to adopt resolutions and file a certificate of designation with the Secretary of State of the State of Delaware. The certificate of designation fixes for each class or series the terms, preferences, conversion or other rights, voting powers, restrictions, limitations as to dividends or other distributions, qualifications and terms or conditions of redemption for each class or series. Any shares of preferred stock will, when issued, be fully paid and non-assessable.

Outstanding Series F Convertible Preferred Stock. Our board of directors designated 18,000 shares of preferred stock as Series F convertible preferred stock, \$0.0001 par value. As of September 27, 2023, there were 127 shares of Series F Preferred Stock outstanding with a conversion price of \$25.00.

Liquidation. Upon any dissolution, liquidation or winding up, whether voluntary or involuntary, holders of Series F Preferred Stock will be entitled to receive distributions out of our assets, whether capital or surplus, of an amount equal to \$0.0001 per share of Series F Preferred Stock before any distributions shall be made on the common stock or any series of preferred stock ranked junior to the Series F Preferred Stock.

Dividends. Holders of the Series F Preferred Stock are entitled to receive dividends equal (on an "as converted to common stock" basis) to and in the same form as dividends actually paid on shares of our common stock when, as and if such dividends are paid on shares of our common stock. No other dividends will be paid on shares of Series F Preferred Stock.

Conversion. Each share of Series F Preferred Stock is convertible, at any time and from time to time at the option of the holder thereof, into that number of shares of common stock determined by dividing \$1,000 by the conversion price of \$25.00 (subject to adjustment described below). This right to convert is limited by the beneficial ownership limitation described below.

Forced Conversion. Subject to certain ownership limitations as described below and certain equity conditions being met, until such time that during any 20 of 30 consecutive trading days, the volume weighted average price of our common stock exceeds 300% of the conversion price and the daily dollar trading volume during such period exceeds \$200,000 per trading day, we have the right to force the conversion of the Series F Preferred Stock into common stock.

Beneficial Ownership Limitation. A holder shall have no right to convert any portion of Series F Preferred Stock, to the extent that, after giving effect to such conversion, such holder, together with such holder's affiliates, and any persons acting as a group together with such holder or any such affiliate, would beneficially own in excess of 4.99% of the number of shares of common stock outstanding immediately after giving effect to the issuance of shares of common stock upon such conversion (subject to the right of the holder to increase such beneficial ownership limitation upon not less than 61 days prior notice provided that such limitation can never exceed 9.99% and such 61 day period cannot be waived). Beneficial ownership of the holder and its affiliates will be determined in accordance with Section 13(d) of the Exchange Act. Holders of Series F Preferred Stock who are subject to such beneficial ownership limitation are and will remain responsible for ensuring their own compliance with Regulation 13D-G promulgated under the Exchange Act, consistent with their individual facts and circumstances. In addition, pursuant to Rule 13d-3(d)(1)(i) promulgated under the Exchange Act, any person who acquires Series F Preferred Stock with the purpose or effect of changing or influencing the control of our company, or in connection with or as a participant in any transaction having such purpose or effect, immediately upon such acquisition will be deemed to be the beneficial owner of the underlying common stock.

Optional Redemption. Subject to the terms of the certificate of designation, the Company holds an option to redeem some or all the Series F Preferred Stock six months after its issuance date at a 200% premium to the stated value of the Series F Preferred Stock subject to the redemption, upon 30 days prior written notice to the holder of the Series F Preferred Stock. The Series F Preferred Stock would be redeemed by the Company for cash.

Conversion Price Adjustment

Subsequent Equity Sales. The Series F Preferred Stock has full ratchet price based anti-dilution protection, subject to customary carve outs, in the event of a down-round financing at a price per share below the conversion price of the Series F Preferred Stock, including in this offering. If during any 20 of 30 consecutive trading days the volume weighted average price of our common stock exceeds 300% of the then-effective conversion price of the Series F Preferred Stock and the daily dollar trading volume for each trading day during such period exceeds \$200,000, the anti-dilution protection in the Series F Preferred Stock will expire and cease to apply.

Stock Dividends and Stock Splits. If we pay a stock dividend or otherwise make a distribution payable in shares of common stock on shares of common stock or any other common stock equivalents, subdivide or combine outstanding common stock, or reclassify common stock, the conversion price will be adjusted by multiplying the then conversion price by a fraction, the numerator of which shall be the number of shares of common stock outstanding immediately before such event, and the denominator of which shall be the number of shares outstanding immediately after such event.

Fundamental Transaction. If we effect a fundamental transaction in which we are the surviving entity, then upon any subsequent conversion of Series F Preferred Stock, the holder thereof shall have the right to receive, for each share of common stock that would have been issuable upon such conversion immediately prior to the occurrence of such fundamental transaction, the number of shares of our common stock and any additional consideration receivable as a result of such fundamental transaction by a holder of the number of shares of common stock into which Series F Preferred Stock is convertible immediately prior to such fundamental transaction. If we effect a fundamental transaction in which we are not the surviving entity or a reverse merger in which we are the surviving entity, then the surviving entity shall purchase the outstanding Series F Preferred Stock by paying and issuing, in the event that such consideration given to common stockholders is non-cash consideration, as the case may be, to such holder (or canceling such holder's outstanding Series F Preferred Stock and converting it into the right to receive) an amount equal to the greater of (i) the cash consideration plus the non-cash consideration (in the form issuable to the holders of common stock) per share of the common stock in the fundamental transaction multiplied by the number of conversion shares underlying the shares of Series F Preferred Stock held by the holder on the date of the consummation of the fundamental transaction or (ii) 130% of the stated value of the Series F Preferred Stock then outstanding on the date immediately prior to the

consummation of the fundamental transaction. Such amount shall be paid in the same form and mix (be it securities, cash or property, or any combination of the foregoing) as the consideration received by the common stock in such fundamental transaction. A fundamental transaction means: (i) our merger or consolidation with or into another entity, (ii) any sale or other disposition of all or substantially all of our assets in one transaction or a series of related transactions, (iii) any tender offer or exchange offer allowing holders of our common stock to tender or exchange their shares for cash, property or securities, and has been accepted by the holders of 50% or more of the outstanding common stock, (iv) any reclassification of our common stock or any compulsory share exchange by which common stock is effectively converted into or exchanged for other securities, cash or property, or (v) consummation of a stock or share purchase agreement or other business combination with another person whereby such other person acquires more than 50% of the outstanding shares of common stock.

Voting Rights, etc. Except as otherwise provided in the Series F Preferred Stock certificate of designation or required by law, the Series F Preferred Stock has no voting rights. However, as long as any shares of Series F Preferred Stock are outstanding, we may not, without the affirmative vote of the holders of a majority of the then outstanding shares of the Series F Preferred Stock, alter or change adversely the powers, preferences or rights given to the Series F Preferred Stock, amend its certificate of designation, amend our certificate of incorporation or other charter documents in any manner that adversely affects any rights of the holders, increase the number of authorized shares of Series F Preferred Stock, or enter into any agreement with respect to any of the foregoing. The Series F Preferred Stock certificate of designation provides that if any party commences an action or proceeding to enforce any provisions of the certificate of designation, then the prevailing party in such action or proceeding shall be reimbursed by the other party for its attorneys' fees and other costs and expenses incurred in the investigation, preparation and prosecution of such action or proceeding. This provision may, under certain circumstances, be inconsistent with federal securities laws and DGCL.

Fractional Shares. No fractional shares of common stock will be issued upon conversion of Series F Preferred Stock. Rather, we shall, at our election, either pay a cash adjustment in respect of such final fraction in an amount equal to such fraction multiplied by the conversion price or round up to the next whole share.

The Series F Preferred Stock was issued in book-entry form under a preferred stock agent agreement between Equiniti Trust Company, LLC, formerly American Stock Transfer & Trust LLC as preferred stock agent, and us, and shall initially be represented by one or more book-entry certificates deposited with The Depository Trust Company, or DTC, and registered in the name of Cede & Co., a nominee of DTC, or as otherwise directed by DTC. There is no established public trading market for the Series F Preferred Stock, and the Series F Preferred Stock is not listed on the Nasdaq Capital Market, any other national securities exchange or any other nationally recognized trading system.

Description of Outstanding Warrants

As of September 27, 2023, there were warrants outstanding to purchase a total of 1,308,271 shares of our common stock, which expire between 2024 and 2028. Each of these warrants entitles the holder to purchase one share of common stock at prices ranging from \$3.2996 to \$189,000 per share. Certain of these warrants have a net exercise provision under which its holder may, in lieu of payment of the exercise price in cash, surrender the warrant and receive a net amount of shares based on the fair market value of our common stock at the time of exercise of the warrant after deduction of the aggregate exercise price. Each of these warrants also contains provisions for the adjustment of the exercise price and the aggregate number of shares issuable upon the exercise of the warrant in the event of dividends, share splits, reorganizations and reclassifications and consolidations. Certain of these warrants if the holder, together with its affiliates, would beneficially own over 4.99% of our then outstanding common stock following such exercise; provided, however, that upon prior notice to us, the warrant holder may increase its ownership, provided that in no event will the ownership exceed 9.99%.

On June 19, 2023, we entered into a Supply and Collaboration Agreement (the "Supply Agreement") with DaVita Inc., a Delaware corporation ("DaVita"), pursuant to which DaVita will pilot the Aquadex ultrafiltration therapy system to treat adult patients with congestive heart failure and related conditions within select U.S. markets. The pilot period commenced on June 30, 2023 and extends through May 31, 2024 (the "Pilot"). The Company currently anticipates that the first patient to be treated with Aquadex in the Pilot will occur in the fourth quarter of 2023. Through the Pilot, ultrafiltration therapy using Aquadex will be offered at a combination of DaVita's customer hospital and outpatient center locations, with both companies collaborating on the roll-out

of the therapy, clinician training, and patient support. At the conclusion of the pilot, DaVita has the option, in its sole discretion, to extend the Supply Agreement with the Company for continued provision of both inpatient and outpatient ultrafiltration services for up to 10 years ("Ultrafiltration Services Approval").

In conjunction with the Supply Agreement, the Company issued DaVita a warrant to purchase up to an aggregate of 1,289,081 shares of common stock of the Company, par value \$0.0001 per share, at an exercise price of \$3.2996 per share, provided that at no time can it be exercised for an amount of shares that would represent greater than 19.9% ownership in the Company (the "DaVita Warrant") subject to certain vesting milestones. The DaVita Warrant is expected to vest in four tranches as follows: (i) 25% upon the Company's receipt of the Ultrafiltration Services Approval; (ii) 25% upon the attainment by the Company of a net revenue achievement from DaVita's efforts pursuant to the Supply Agreement within twelve months of Ultrafiltration Services Approval; (iii) 25% upon the attainment by the Company of a net revenue achievement from DaVita's efforts pursuant to the Supply Agreement within twelve from DaVita's efforts pursuant to the Supply Agreement from DaVita's efforts pursuant to the Supply of a net revenue achievement from DaVita's efforts pursuant to the Supply Agreement within thirty-six months of Ultrafiltration Services Approval; and (iv) 25% upon the attainment by the Company of a net revenue achievement from DaVita's efforts pursuant to the Supply Agreement within thirty-six months of Ultrafiltration Services Approval.

Anti-Takeover Effects of Certain Provisions of Our Certificate of Incorporation and Bylaws and Delaware Law

Certain provisions of our certificate of incorporation and bylaws may be considered to have an anti-takeover effect, such as those provisions:

- providing for our board of directors to be divided into three classes with staggered three-year terms, with
 only one class of directors being elected at each annual meeting of our stockholders and the other classes
 continuing for the remainder of their respective three-year terms;
- authorizing our board of directors to issue from time to time any series of preferred stock and fix the voting powers, designation, powers, preferences and rights of the shares of such series of preferred stock;
- prohibiting stockholders from acting by written consent in lieu of a meeting;
- requiring advance notice of stockholder intention to put forth director nominees or bring up other business at a stockholders' meeting;
- prohibiting stockholders from calling a special meeting of stockholders;
- requiring a 66 ²/₃% super-majority stockholder approval in order for stockholders to alter, amend or repeal certain provisions of our certificate of incorporation;
- requiring a 66 ²/₃% super-majority stockholder approval in order for stockholders to adopt, amend or repeal our bylaws;
- providing that, subject to the rights of the holders of any series of preferred stock to elect additional directors under specified circumstances, neither the board of directors nor any individual director may be removed without cause;
- creating the possibility that our board of directors could prevent a coercive takeover of our Company due to the significant amount of authorized, but unissued shares of our common stock and preferred stock;
- providing that, subject to the rights of the holders of any series of preferred stock, the number of directors shall be fixed from time to time exclusively by our board of directors pursuant to a resolution adopted by a majority of the total number of authorized directors; and
- providing that any vacancies on our board of directors under certain circumstances will be filled only by a majority of our board of directors then in office, even if less than a quorum, and not by the stockholders.

Delaware Law

We are also subject to Section 203 of the DGCL, which generally prohibits a Delaware corporation from engaging in any business combination with any interested stockholder for a period of three years following the date that the stockholder became an interested stockholder, unless:

• prior to that date, our board of directors approved either the business combination or the transaction that resulted in the stockholder becoming an interested stockholder;



- upon consummation of the transaction that resulted in the stockholder becoming an interested stockholder, the interested stockholder owned at least 85% of our voting stock outstanding at the time the transaction commenced, excluding for purposes of determining the number of shares outstanding (but not the outstanding voting stock owned by the interested stockholder) those shares owned by (i) persons who are directors and also officers and (ii) employee stock plans in which employee participants do not have the right to determine confidentially whether shares held subject to the plan will be tendered in a tender or exchange offer; or
- on or subsequent to that date, the business combination is approved by our board of directors and authorized at an annual or special meeting of stockholders, and not by written consent, by the affirmative vote of at least 66 2/3% of the outstanding voting stock that is not owned by the interested stockholder.

In general, Section 203 defines a "business combination" to include the following:

- any merger or consolidation involving the corporation or a direct or indirect majority-owned subsidiary of the corporation and the interested stockholder;
- any sale, lease, mortgage, pledge transfer, or other disposition of the assets of the corporation or direct or indirect majority-owned a subsidiary of the corporation to or with the interested stockholder, which assets have an aggregate value equal to 10% or more of the fair value of the assets on a consolidated basis or the aggregate market value of the outstanding stock of the corporation;
- subject to certain exceptions, any transaction that results in the issuance or transfer by the corporation or a direct or indirect majority-owned subsidiary of the corporation of any stock of the corporation or subsidiary to the interested stockholder;
- any transaction involving the corporation or direct or indirect majority-owned subsidiary of the corporation that has the effect of increasing the proportionate share of the stock or any class or series of the corporation or the subsidiary beneficially owned by the interested stockholder; or
- the receipt by the interested stockholder of the benefit of any loans, advances, guarantees, pledges or other financial benefits by or through the corporation or direct or indirect majority-owned subsidiary of the corporation.

In general, Section 203 of the DGCL defines an interested stockholder as an entity or person beneficially owning 15% or more of the outstanding voting stock of the corporation and any entity or person affiliated with or controlling or controlled by any of these entities or persons.

The above-summarized provisions of our certificate of incorporation and bylaws and the above-summarized provisions of the DGCL could make it more difficult to acquire us by means of a tender offer, a proxy contest or otherwise, or to remove incumbent officers and directors. These provisions are expected to discourage certain types of coercive takeover practices and takeover bids that our board of directors may consider inadequate and to encourage persons seeking to acquire control of us to first negotiate with our board of directors. We believe that the benefits of increased protection of our ability to negotiate with the proponent of an unfriendly or unsolicited proposal to acquire or restructure us outweigh the disadvantages of discouraging takeover or acquisition proposals because, among other things, negotiation of these proposals could result in an improvement of their terms.

Choice of Forum

Our Fourth Amended and Restated Certificate of Incorporation, as amended, provides that, unless we consent in writing to the selection of an alternative forum, the Court of Chancery of the State of Delaware will be the exclusive forum for any derivative action or proceeding brought on our behalf; any action asserting a breach of fiduciary duty; any action asserting a claim against us arising pursuant to the DGCL; or any action asserting a claim against us that is governed by the internal affairs doctrine. These provisions would not apply to suits brought to enforce a duty or liability created by the Exchange Act, or any other claim for which the federal courts have exclusive jurisdiction. Our Fourth Amended and Restated Certificate of Incorporation, as amended, will further provide that the federal district courts of the United States of America will be the exclusive forum for resolving any complaint asserting a cause of action arising under the Securities Act, subject to applicable law. Any person or entity purchasing or otherwise acquiring any interest in our securities shall be deemed to have notice of and consented to these provisions. Our exclusive forum provision will not relieve us of our duties to

comply with the federal securities laws and the rules and regulations thereunder, and our stockholders will not be deemed to have waived our compliance with these laws, rules and regulations.

The provisions of the DGCL, our Fourth Amended and Restated Certificate of Incorporation, as amended, and our Second Amended and Restated Bylaws could have the effect of discouraging others from attempting hostile takeovers and, as a consequence, they may also inhibit temporary fluctuations in the price of our common stock that often result from actual or rumored hostile takeover attempts. These provisions may also have the effect of preventing changes in our management. It is possible that these provisions could make it more difficult to accomplish transactions that stockholders may otherwise deem to be in their best interests.

Limitation on Liability of Directors and Indemnification

Our certificate of incorporation limits the liability of our directors to the fullest extent permitted by Delaware law. Delaware law provides that directors of a corporation will not be personally liable for monetary damages for breach of their fiduciary duties as directors, except for liability for any:

- breach of their duty of loyalty to us or our stockholders;
- act or omission not in good faith or that involves intentional misconduct or a knowing violation of law;
- unlawful payment of dividends or redemption of shares as provided in Section 174 of the DGCL; or
- transaction from which the directors derived an improper personal benefit.

These limitations of liability do not apply to liabilities arising under federal securities laws and do not affect the availability of equitable remedies such as injunctive relief or rescission.

Our bylaws provide that we will indemnify and advance expenses to our directors and officers to the fullest extent permitted by law or, if applicable, pursuant to indemnification agreements. They further provide that we may choose to indemnify our other employees or agents from time to time. Subject to certain exceptions and procedures, our bylaws also require us to advance to any person who was or is a party, or is threatened to be made a party, to any proceeding by reason of the person's service as one of our directors or officers all expenses incurred by the person in connection with such proceeding.

Section 145(g) of the DGCL and our bylaws also permit us to secure insurance on behalf of any officer, director, employee or other agent for any liability arising out of his or her actions in connection with their services to us, regardless of whether our bylaws permit indemnification. We maintain a directors' and officers' liability insurance policy.

We entered into indemnification agreements with each of our directors and executive officers that provide, in general, that we will indemnify them to the fullest extent permitted by law in connection with their service to us or on our behalf and, subject to certain exceptions and procedures, that we will advance to them all expenses that they incur in connection with any proceeding to which they are, or are threatened to be made, a party.

At present, there is no pending litigation or proceeding involving any of our directors or officers as to which indemnification is required or permitted, and we are not aware of any threatened litigation or proceeding that may result in a claim for indemnification.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the Company pursuant to the foregoing provisions, or otherwise, the Company has been advised that in the opinion of the SEC this indemnification is against public policy as expressed in the Securities Act and is therefore unenforceable.

Registration Rights

DaVita Supply Agreement. Concurrent with the signing of the Supply Agreement and issuance of the DaVita Warrant June 19, 2023, the Company entered into a Registration Rights Agreement ("Registration Rights Agreement") with DaVita, whereby the Company agreed, subject to DaVita's delivery of the Ultrafiltration Services Approval, to register the resale of the shares of common stock issuable upon exercise of the DaVita Warrant ("Underlying Shares") on a Form S-1 or Form S-3, if eligible, upon DaVita's demand. DaVita has "piggyback" registration rights allowing it to include its Underlying Shares in a registration effected by the Company for stockholders other than DaVita. The Company is responsible for all fees and expenses incident to the performance of or compliance with the Registration Rights Agreement borne by the Company whether or not any registrable securities are sold pursuant to a registration statement. The Registration Rights Agreement also contains customary indemnification provisions.

MATERIAL U.S. FEDERAL INCOME TAX CONSEQUENCES

The following is a discussion of material U.S. federal income tax considerations relevant to the purchase, ownership, disposition and conversion of the Series J Convertible Preferred Stock and the acquisition, ownership and disposition of our common stock received upon conversion of the Series J Convertible Preferred Stock, as well as the purchase, ownership, disposition and exercise of the Warrants. The following discussion is based upon the provisions of the Internal Revenue Code of 1986, as amended (the "Code"), Treasury Regulations and judicial and administrative authority, all of which are subject to change, possibly with retroactive effect, or to different interpretations. We cannot assure you that a change in the law will not significantly alter the tax consequences that we describe in this discussion. We have not sought any ruling from the Internal Revenue Service (the "IRS") or opinion of counsel with respect to the statements made and conclusions reached in this discussion, and there can be no assurance that the IRS or a court will agree with thee statements and conclusions in this discussion.

This discussion does not address all aspects of U.S. federal income taxation that may be relevant to an investor's decision to purchase the Units, nor any tax consequences arising under U.S. federal estate or gift tax laws or under the laws of any state, locality or foreign jurisdiction. This discussion also does not address the Medicare tax on certain investment income or the tax consequences that may be applicable to special classes of investors including, but not limited to, tax-exempt organizations, qualified foreign pension funds, insurance companies, banks or other financial institutions, partnerships or other pass-through entities or holders of interests therein, dealers in securities or currency, persons liable for the alternative minimum tax, U.S. expatriates and former long-term U.S. residents, traders in securities that elect to use a mark-to-market method of accounting for their securities holdings, regulated investment companies, real estate investment trusts, "controlled foreign corporations," "passive foreign investment companies," common trust funds, certain trusts, hybrid entities, U.S. holders whose "functional currency" is not the U.S. dollar, foreign governments or international organizations and persons that will hold our Series J Convertible Preferred Stock, our common stock received upon conversion of the Series J Convertible Preferred Stock or the Warrants as a position in a "straddle," "conversion transaction" or other risk reduction transaction. This discussion is limited to taxpayers who will hold our Series J Convertible Preferred Stock, our common stock received upon conversion of our Series J Convertible Preferred Stock and the Warrants as "capital assets" (generally, property held for investment).

If a partnership (including an entity or arrangement treated as a partnership for U.S. federal income tax purposes) holds our Series J Convertible Preferred Stock, our common stock received upon conversion of our Series J Convertible Preferred Stock or the Warrants, the tax treatment of a partner in the partnership will generally depend upon the status of the partner and upon the activities of the partnership. Accordingly, we urge partnerships (including entities and arrangements treated as partnerships for U.S. federal income tax purposes) that hold our Series J Convertible Preferred Stock, our common stock received upon conversion of our Series J Convertible Preferred Stock or the Warrants and partners in such partnerships to consult their tax advisors.

This discussion is addressed to a holder of our Series J Convertible Preferred Stock, our common stock received upon conversion of the Series J Convertible Preferred Stock or the Warrants that is a U.S. holder or non-U.S. holder for U.S. federal income tax purposes. You are a "U.S. holder" if you are a beneficial owner of Series J Convertible Preferred Stock, our common stock received upon conversion of the Series J Convertible Preferred Stock or the Warrants and you are, for U.S. federal income tax purposes:

- An individual citizen or resident of the United States;
- a corporation, or other entity taxable as a corporation for U.S. federal income tax purposes, that was created or organized in or under the laws of the United States, any state thereof or the District of Columbia;
- an estate whose income is subject to U.S. federal income tax regardless of its source; or
- a trust (i) whose administration is subject to the primary supervision of a U.S. court and which has one or more U.S. persons who have the authority to control all substantial decisions of the trust or (ii) which has made a valid election to be treated as a U.S. person.

A "non-U.S. Holder" is a beneficial holder of our Series J Convertible Preferred Stock, our common stock received upon conversion of the Series J Convertible Preferred Stock or the Warrants who or that is neither a U.S. holder nor a partnership for U.S. federal income tax purposes.

We urge each prospective investor to consult with its own tax adviser as to the U.S. federal, state, local, foreign and any other tax consequences of the purchase, ownership, conversion and disposition of our Series J Convertible Preferred Stock and of the acquisition, ownership and disposition of our common stock received upon conversion of the Series J Convertible Preferred Stock, as well as the purchase, ownership, disposition, and exercise of the Warrants.

General Treatment of Units

There is no authority directly addressing the treatment, for U.S. federal income tax purposes, of instruments with terms substantially the same as the Units and, therefore, their treatment is not entirely clear. The purchase of a Unit should be treated for U.S. federal income tax purposes as the purchase of one share of our Series J Convertible Preferred Stock and one Warrant to acquire one-half of one share of our Series J Convertible Preferred Stock. We intend to treat the purchase of a Unit in this manner and, by purchasing a Unit, you agree to adopt such treatment for tax purposes. Each holder of a Unit must allocate the purchase price paid by such holder for such Unit between the share of our Series J Convertible Preferred Stock and one Warrant to acquire one-half of one share of our Series J Convertible Preferred Stock based on their respective relative fair market values. A holder's initial tax basis in the one share of our Series J Convertible Preferred Stock and one Warrant to acquire one-half of one share of our Series J Convertible Preferred Stock and one Warrant to acquire one-half of one share of our Series J Convertible Preferred Stock and one Warrant to acquire one-half of one share of our Series J Convertible Preferred Stock and one Warrant to acquire one-half of one share of our Series J Convertible Preferred Stock and one Warrant to acquire one-half of one share of our Series J Convertible Preferred Stock and one Warrant to acquire one-half of one share of our Series J Convertible Preferred Stock included in each Unit should equal the portion of the purchase price of the Unit allocated thereto. The separation of the Series J Convertible Preferred Stock and Warrant constituting a Unit should not be a taxable event for U.S. federal income tax purposes.

The foregoing treatment of the Units and a holder's purchase price allocation are not binding on the IRS or the courts. Because there is no authority that directly addresses instruments that are similar to the Units, no assurance can be given that the IRS or the courts will agree with the characterization described above or the discussion below. The following discussion is based on the assumption that the characterization of the Series J Convertible Preferred Stock and the Warrant and the allocation described above are respected for U.S. federal income tax purposes.

Each prospective investor is urged to consult its tax advisors regarding the U.S. federal, state, local and any foreign tax consequences of an investment in a Unit (including possible alternative characterizations of a Unit and its components).

U.S. Holders

Distributions on Series J Convertible Preferred Stock or Common Stock

Distributions in General.

Distributions paid on our Series J Convertible Preferred Stock and our common stock (other than certain stock distributions with respect to our Series J Convertible Preferred Stock and common stock) will be treated as dividends to the extent of our current or accumulated earnings and profits, as determined under the Code. To the extent that the amount of distributions with respect to our Series J Convertible Preferred Stock or common stock exceeds our current and accumulated earnings and profits, such excess will be treated first as a tax-free return of capital to the extent of (and in reduction of) the U.S. holder's adjusted tax basis in such Series J Convertible Preferred Stock or common stock, as the case may be, on a share-by-share basis, and thereafter as capital gain. Such gain will be long-term capital gain provided that the U.S. holder has held such Series J Convertible Preferred Stock or common stock, as the case may be, for more than one year as of the time of the distribution. Subject to applicable limitations and restrictions, dividends paid to non-corporate U.S. holders will be subject to a reduced U.S. federal income tax rate if such dividends are treated as "qualified dividend income" for U.S. federal income tax purposes. Subject to applicable limitations and restrictions, dividends paid to U.S. holders that are U.S. corporations are subject to tax at ordinary corporate income tax rates, but will qualify for the dividends received deduction. However, any distribution (or the portion of any distribution) that exceeds our current and accumulated earnings and profits will not be eligible for the dividends received deduction. A U.S. holder should consult its own tax adviser regarding the availability of the reduced U.S. federal income tax rate applicable to "qualified dividend income" or the dividends received deduction, as applicable, in the light of its particular circumstances.

Redemption Premium with respect to the Series J Convertible Preferred Stock.

Because the Series J Convertible Preferred Stock is being offered at a discount (*i.e.*, the OID) to the Series J Convertible Preferred Stock stated value, which is the price at which the Series J Convertible Preferred Stock will be redeemed on the third anniversary of the date of original issuance of the Series J Convertible Preferred Stock (if not previously converted), we intend to take the position that the Series J Convertible Preferred Stock issued in this offering will be issued with a "redemption premium" under Section 305(c) of the Code that exceeds the statutory *de minimis* amount. U.S. holders of Series J Convertible Preferred should be treated as receiving constructive distributions as the redemption premium accrues under a constant yield method. Such distributions should have the consequences described in "Distributions in General" above.

PIK Dividends Distributions on Series J Convertible Preferred Stock.

Our payment of a distribution on the Series J Convertible Preferred Stock in the form Series J Convertible Preferred Stock (*i.e.*, a PIK dividend) will generally be taxable for U.S. federal income tax purposes in the same manner as distributions described in "Distributions in General" above. The amount of such distribution will equal the fair market value on the distribution date of the Series J Convertible Preferred Stock distributed to a U.S. holder on that date. A U.S. holder's tax basis in such distributed Series J Convertible Preferred Stock will equal the fair market value of such Series J Convertible Preferred Stock on the distribution date, and such U.S. holder's holding period for such Series J Convertible Preferred Stock will begin on the day following the distribution date.

Extraordinary Dividends.

If a dividend received by a non-corporate U.S. holder that qualifies for the rate reduction for "qualified dividend income" is an "extraordinary dividend" within the meaning of Section 1059 of the Code, such non-corporate U.S. holder would be required to treat any losses on the sale of Series J Convertible Preferred Stock or common stock as long-term capital loss to the extent of such "extraordinary dividend," irrespective of such holder's holding period for the stock.

Investors that are U.S. corporations that receive an "extraordinary dividend" within the meaning of Section 1059 of the Code in respect of our Series J Convertible Preferred Stock or common stock generally would be required to reduce their tax basis in our Series J Convertible Preferred Stock or common stock (but not below zero) by the portion of the dividend that is not taxed because of the dividends received deduction. To the extent the non-taxed portion of such dividend exceeds the corporate investor's stock basis, such investor must treat such excess as gain from the sale or exchange of our Series J Convertible Preferred Stock or common stock for the taxable year in which such dividend is received.

Adjustment to the Conversion Price of Series J Convertible Preferred Stock.

The conversion price of the Series J Convertible Preferred Stock is subject to adjustment under certain circumstances pursuant to the Anti-Dilution Provisions. Treasury Regulations promulgated under Section 305 of the Code would treat a U.S. holder of our Series J Convertible Preferred Stock as having received a constructive distribution includable in such U.S. holder's income in the manner described in "Distributions in General" above, if and to the extent that certain adjustments (or failures to make adjustments) in the conversion price increase the proportionate interest of the U.S. holder in our assets or earnings and profits. For example, a decrease in the conversion price to reflect a taxable dividend to holders of common stock will generally give rise to a deemed taxable dividend to the holders of Series J Convertible Preferred Stock to the extent of an allocable portion of our current and accumulated earnings and profits. Thus, under certain circumstances, U.S. holders may recognize income in the event of a constructive distribution even though they may not receive any cash or property. Adjustments to the conversion price made pursuant to a bona fide reasonable adjustment formula that has the effect of preventing dilution in the interest of the U.S. holders of the Series J Convertible Preferred Stock (other than an adjustment in respect of a taxable dividend on the common stock), however, generally will not be considered to result in a constructive distribution.

Sale, Exchange or Other Taxable Disposition of Series J Convertible Stock, Common Stock and Warrants

Sale, Exchange or Other Taxable Disposition – General.

A U.S. holder will generally recognize capital gain or loss on a sale, exchange or other taxable disposition of our Series J Convertible Preferred Stock (other than pursuant to a conversion into common stock), our

common stock, or the Warrants equal to the difference between the amount realized upon the sale, exchange or other taxable disposition (not including any proceeds attributable to any dividends in arrears, which generally will be taxable as described under "Distributions in General" above to U.S. holders who have not previously included such dividends in income) and the U.S. holder's adjusted tax basis in the shares sold, exchanged or disposed in another taxable transaction. Such capital gain or loss will be long-term capital gain or loss if the U.S. holder's holding period for the shares sold, exchange or disposed is more than one year. Long-term capital gains of non-corporate taxpayers generally are subject to a reduced rate of taxation. The deductibility of capital losses is subject to limitations.

Redemption of Series J Convertible Preferred Stock.

If we redeem our Series J Convertible Preferred Stock solely in exchange for common stock, the tax consequences to a U.S. holder would be as described in "Conversion of Series J Convertible Preferred Stock into Common Stock" below (except that any common stock received in respect of dividends in arrears generally will be taxable as described in "Distributions in General" above).

If we redeem our Series J Convertible Preferred Stock solely in exchange for cash, the redemption would be treated as a sale or exchange if the redemption (i) results in a meaningful reduction in the U.S. holder's interest in us or (ii) results in a complete termination of the U.S. holder's entire equity interest in us (in either case, within the meaning of Section 302(b) of the Code). If the redemption qualifies as a sale or exchange under one of these rules, the tax consequences to a U.S. holder would be as described in "Sale, Exchange or Other Taxable Disposition-General" above. If the redemption does not qualify as a sale or exchange for tax purposes under the rules described above, the amount of cash received by a U.S. holder would be treated as described in "Distributions in General" above.

If we redeem our Series J Convertible Preferred Stock in exchange for a combination of cash and common stock, a U.S. holder could not recognize a loss but would recognize gain equal to the lesser of (i) the excess of the sum of the fair market value of the common stock and the amount of cash received (not including any proceeds attributable to any dividends in arrears, which generally will be taxable as described in "Distributions in General" above) over the U.S. holder's adjusted tax basis in the Series J Convertible Preferred Stock redeemed, and (ii) the amount of cash received by the U.S. holder (not including any proceeds attributable to any dividends in arrears, which generally will be taxable as described under "Distributions in General" above). The character of such gain is uncertain. If the redemption results in a meaningful reduction in the U.S. holder's interest in us (within the meaning of Section 302(b) of the Code), then the gain would be capital gain that is taxed as described in "Sale, Exchange or Other Taxable Disposition-General" above. If the redemption does not qualify as a sale or exchange for tax purposes under one of these rules, the gain recognized by you would be treated as described in "Distributions in General" above. The initial adjusted tax basis of common stock received by a U.S. holder upon redemption will be equal to the U.S. holder's aggregate adjusted tax basis in the Series J Convertible Preferred Stock redeemed, reduced by the amount of any cash received (other than cash attributable to accrued but unpaid dividends), and increased by the amount of gain, if any, recognized. The holding period for the shares of common stock received by the U.S. holder upon redemption of the Series J Convertible Preferred Stock generally will include the U.S. holder's holding period in the Series J Convertible Preferred Stock redeemed, except that the holding period of any common stock received with respect to dividends in arrears will commence on the day after the date of receipt.

Conversion of Series J Convertible Preferred Stock into Common Stock.

A U.S. holder generally will not recognize any gain or loss in respect of the receipt of common stock upon the conversion of our Series J Convertible Preferred Stock into common stock. Cash received in lieu of a fractional share of common stock will generally be treated as a payment in a taxable exchange for such fractional share, and gain or loss will be recognized on the receipt of cash in an amount equal to the difference between the amount of cash received and the amount of adjusted tax basis in the stock that is allocable to the fractional share.

The adjusted tax basis of common stock received on conversion will equal the adjusted tax basis of the Series J Convertible Preferred Stock converted (reduced by the portion of adjusted tax basis allocated to any fractional shares of common stock exchanged for cash, as described above), and the holding period of such common stock received on conversion will generally include the period during which the Series J Convertible

Preferred Stock was held by the U.S. holder prior to conversion. A U.S. holder's tax basis in a fractional share will be determined by allocating such U.S. holder's tax basis in the Series J Convertible Preferred Stock between the common stock such U.S. holder receives upon conversion and the fractional share in accordance with their respective fair market values.

If a U.S. holder exercises its right to convert the Series J Convertible Preferred Stock into shares of common stock after a regular record date but before the Dividend Record Date, then upon conversion, the U.S. holder generally will be required to pay to us in cash an amount equal to the portion of such dividend attributable to the current monthly dividend period. In this case, the U.S. holder will be entitled to receive the dividend payment on the corresponding Dividend Record Date. A U.S. holder should consult its own tax adviser with respect to the treatment of such cash payment and the subsequent receipt of such dividend payment.

Exercise or Lapse of Warrants

A U.S. holder will not recognize gain or loss on the exercise of a Warrant. A U.S. holder's tax basis in the onehalf of one share of Series J Convertible Preferred Stock received upon the exercise of a Warrant will equal the sum of (i) the initial tax basis of the Warrant exercised (as determined pursuant to the rules discussed in "General Treatment of Units" above) and (ii) the exercise price of the Warrant. The U.S. holder's holding period for the onehalf of one share of Series J Convertible Preferred Stock received upon exercise of a Warrant will begin on the day after such exercise (or possibly on the date of exercise) and will not include the period during which the U.S. holder held the Warrant. If a Warrant is allowed to lapse unexercised, a U.S. holder generally will recognize a capital loss equal to such holder's tax basis in the Warrant. Such loss will be a long-term capital loss if the Warrant has been held for more than one year as of the date the Warrant lapsed. The deductibility of capital losses is subject to limitations.

Constructive Distributions on the Warrants

Under Section 305 of the Code, an adjustment to the number of shares of Series J Convertible Preferred Stock that will be issued upon the exercise of our Warrants, or an adjustment to the exercise price of such Warrants, may be treated as a constructive distribution to a U.S. holder of the Warrants if, and to the extent that, such adjustment has the effect of increasing such U.S. holder's proportionate interest in our "earnings and profits" or assets, depending on the circumstances of such adjustment (for example, if such adjustment is to compensate for a distribution of cash or other property to holders of our common stock). Adjustments to the exercise price of a Warrant made pursuant to a bona fide reasonable adjustment formula that has the effect of preventing dilution of the interest of the holder of the Warrant should generally not result in a constructive distribution. Any constructive distributions generally would be subject to the tax treatment described in "Distributions in General" above.

Information Reporting and Backup Withholding

In general, information reporting requirements may apply to distributions (whether actual or constructive) paid to a U.S. holder on our Series J Convertible Preferred Stock, our common stock received upon conversion of the Series J Convertible Preferred Stock or the Warrants, and to the proceeds of the sale, exchange or other disposition of our Series J Convertible Preferred Stock our common stock received upon conversion of the Series J Convertible Preferred Stock or the Warrants, unless the U.S. holder is an exempt recipient. Backup withholding will apply to such payments if the U.S. holder fails to provide a taxpayer identification number or a certification of exempt status or has been notified by the IRS that it is subject to backup withholding (and such notification has not been withdrawn). Backup withholding is not an additional tax. Any amounts withheld under the backup withholding rules will be allowed as a refund or a credit against a U.S. holder's U.S. federal income tax liability provided the required information is timely furnished to the IRS.

U.S. holders are urged to consult their own tax advisers regarding the application of backup withholding in their particular circumstances and the availability of and procedure for obtaining an exemption from backup withholding under current Treasury Regulations.

Non-U.S. Holders

Distributions on Series J Convertible Preferred Stock or Common Stock

Distributions in General.

Generally, distributions (including any constructive distributions taxable as dividends as described below and any cash paid upon a conversion that is treated as a dividend) treated as dividend income and paid to a non-U.S. holder with respect to our Series J Convertible Preferred Stock or our common stock will be subject to a 30% U.S. withholding tax, or such lower rate as may be specified by an applicable tax treaty. Any required withholding tax might be satisfied by the withholding agent through a sale of a portion of the shares you receive as a dividend or might be withheld from cash dividends or sales proceeds subsequently paid or credited to you. To receive the benefit of a reduced treaty rate, a non-U.S. holder must provide the applicable withholding agent with an IRS Form W-8BEN, IRS Form W-8BEN-E, or other appropriate version of IRS Form W-8 certifying qualification for the reduced rate. A non-U.S. holder of our Series J Convertible Preferred Stock or our common stock may obtain a refund of any excess amounts withheld under these rules if the non-U.S. holder is eligible for a reduced rate of United States withholding tax and an appropriate claim for refund is timely filed with the IRS.

Dividends that are effectively connected with a trade or business carried on by a non-U.S. holder within the United States, and, to the extent an applicable tax treaty provides, attributable to a permanent establishment or fixed base maintained by the non-U.S. holder in the United States, will generally be subject to U.S. federal income tax on a net basis at the individual or corporate income tax rates generally applicable to U.S. holders, but will not be subject to U.S. withholding tax if certain certification requirements are satisfied. A non-U.S. holder can generally meet the certification requirements by providing a properly executed IRS Form W-8ECI or appropriate substitute form to the applicable withholding agent. A non-U.S. holder that is a corporation may also be subject to a "branch profits tax" at a 30% rate (or such lower rate as may be specified by an applicable tax treaty) on its "effectively connected earnings and profits," subject to certain adjustments, which will include effectively connected dividends.

Redemption Premium with respect to the Series J Convertible Preferred Stock.

As described in "U.S. Holders-Redemption Premium with respect to the Series J Convertible Preferred Stock" above, we intend to take the position that, on account of the OID, the Series J Convertible Preferred Stock issued in this offering will be issued with a "redemption premium" under Section 305(c) of the Code that exceeds the statutory *de minimis* amount. U.S. holders of Series J Convertible Preferred should be treated as receiving constructive distributions as the redemption premium accrues under a constant yield method. Such distributions should have the consequences described in "non-U.S. Holders—Distributions on Series J Convertible Preferred Stock or Common Stock— Distributions in General" above.

PIK Dividends Distributions on Series J Convertible Preferred Stock.

Any dividends paid on our Series J Convertible Preferred Stock in shares of Series J Convertible Preferred Stock and taxed as dividend income as described in "U.S. Holders—Distributions on Series J Convertible Preferred Stock or Common Stock— PIK Dividends Distributions on Series J Convertible Preferred Stock" above will be subject to withholding tax in the same manner as described in non-U.S. Holders—Distributions on Series J Convertible Preferred Stock or Common Stock— Distributions in General" above.

Adjustment to the Conversion Price of Series J Convertible Preferred Stock.

As described above under "Consequences to U.S. Holders with respect to Series J Convertible Preferred Stock or Common Stock—Adjustment of Conversion Price," adjustments in the conversion price (or failures to adjust the conversion price) that result in an increase in the proportionate interest of a non-U.S. holder in our assets or earnings and profits could result in deemed distributions to the non-U.S. holder that are taxed as described in "Distributions in General" above It is possible that any withholding tax on such a deemed distribution might be satisfied by the withholding agent through a sale of a portion of the shares you receive as a dividend or might be withheld from cash dividends, shares of our common stock or sale proceeds subsequently paid or credited to you.

Sale, Exchange or Other Taxable Disposition of Series J Convertible Stock, Common Stock and Warrants

Sale, Exchange or Other Taxable Disposition – General.

Subject to the discussion under "Information Reporting and Backup Withholding" "and "FATCA" below, a non-U.S. holder generally will not be subject to U.S. federal income or withholding tax on any gain realized on the sale, exchange or other taxable disposition (other than a redemption) of our Series J Convertible Preferred Stock, our common stock or the Warrants unless:

- the gain is effectively connected with the non-U.S. holder's conduct of a U.S. trade or business and, if an applicable income tax treaty so provides, is attributable to a "permanent establishment" or a "fixed base" maintained by such non-U.S. holder in the United States, in which case the non-U.S. holder generally will be taxed on such gain at the graduated U.S. federal income tax rates applicable to U.S. holders (as described in "U.S. Holders-Sale, Exchange or Other Taxable Disposition of Series J Convertible Stock, Common Stock and Warrants-Sale, Exchange or Other Taxable Disposition General" above and, if the non-U.S. holder is a foreign corporation, the branch profits tax described in "Distributions in General" above also may apply to such gain;
- the non-U.S. holder is a nonresident alien individual who is present in the United States for 183 days or more in the taxable year of the taxable disposition and certain other conditions are met, in which case the non-U.S. holder will be subject to a 30% tax (or such lower rate as may be specified by an applicable income tax treaty between the United States and such holder's country of residence) on the net gain derived from the taxable disposition, which may be offset by certain U.S. source capital losses of the non-U.S. holder, if any; or
- we are, or have been, at any time during the five-year period preceding such taxable disposition (or the non-U.S. holder's holding period, if shorter) a "U.S. real property holding corporation" ("USRPHC"). We believe that we are not, and we do not expect to be for the foreseeable future, a USRPHC (and this discussion assumes we are not and will not be a USRPHC).

Redemption of Series J Convertible Preferred Stock.

If we redeem our Series J Convertible Preferred Stock solely in exchange for common stock, the tax consequences to a non-U.S. holder would be as described above under "U.S. Holders—Conversion of Series J Convertible Preferred Stock into Common Stock" (except that any common stock received in respect of dividends in arrears generally will be taxable as described in "Sale, Exchange, or Other Taxable Disposition – General" above).

If we redeem our Series J Convertible Preferred Stock solely in exchange for cash, the redemption would be treated as a sale or exchange if the redemption results in a meaningful reduction in the non-U.S. holder's interest in us, or results in a complete termination of the non-U.S. holder's entire equity interest in us (in each case, within the meaning of Section 302(b) of the Code). If the redemption qualifies as a sale or exchange under one of these rules, the tax consequences to a non-U.S. holder would be as described in "Sale, Exchange or Other Taxable Disposition – General" above. If the redemption does not qualify as a sale or exchange for tax purposes under the rules described above, the amount of cash received by a non-U.S. holder would be treated as described in "Distributions in General" above.

If we redeem our Series J Convertible Preferred Stock in exchange for a combination of cash and common stock, a non-U.S. holder would recognize gain (but not loss) equal to the lesser of (i) the excess of the sum of the fair market value of the common stock and the amount of cash received (not including any proceeds attributable to any dividends in arrears, which generally will be taxable as described under "Distributions in General" above) over the non-U.S. holder's adjusted tax basis in the Series J Convertible Preferred Stock redeemed, and (ii) the amount of cash received by the non-U.S. holder (not including any proceeds attributable to any dividends in arrears, which generally will be taxable as described under "Distributions in General" above).

The tax treatment of any such gain to non-U.S. holders is uncertain. If the redemption results in a meaningful reduction in the non-U.S. holder's interest in us (in either case, within the meaning of Section 302(b) of the Code), then the gain generally would be taxed only as described under "Sale, Exchange or Other Taxable Disposition – General" above. If the redemption does not qualify as a sale or exchange for tax purposes under

one of these rules, the gain generally would be treated as described under "Distributions in General" above. Because the characterization of a taxable redemption of the Series J Convertible Preferred Stock is uncertain and is determined on a holder-by-holder basis, it is possible that a withholding agent would withhold on the cash proceeds received.

Conversion of Series J Convertible Preferred Stock into Common Stock.

You generally will not recognize any gain or loss by reason of receiving common stock upon conversion of the Series J Convertible Preferred Stock, except gain or loss will be recognized with respect to any cash received in lieu of fractional shares, which may be subject to U.S. federal income tax, as discussed in "Sale, Exchange or Other Taxable Disposition – General" above.

Exercise or Lapse of Warrants

In general, a non-U.S. holder will not be required to recognize gain or loss upon the exercise of a Warrant by payment of the exercise price. The lapse of a Warrant will be treated as if the non-U.S. holder sold or exchanged the Warrant and recognized a capital loss equal to the non-U.S. holder's basis in the Warrant. A non-U.S. holder will not be able to utilize a loss recognized upon expiration of a Warrant against the non-U.S. holder's U.S. federal income tax liability, however, unless the loss (i) is effectively connected with the non-U.S. holder's conduct of a trade or business within the United States (and, if an income tax treaty applies, is attributable to a "permanent establishment" or "fixed base" in the United States) or (ii) is treated as a U.S. source loss and the non-U.S. holder is present in the United States 183 days or more in the taxable year of disposition and certain other conditions are met.

Constructive Distributions on the Warrants

As described in "U.S. Holders—Constructive Distributions on the Warrants" above, an adjustment to the Warrants could result in a constructive distribution to a non-U.S. holder, which would be treated as described in "Distributions in General" above. Any resulting withholding tax attributable to deemed dividends would be collected from other amounts payable or distributable to the non-U.S. holder.

Non-U.S. holders should consult their tax advisors regarding the tax treatment of any adjustments to the Warrants.

Information Reporting and Backup Withholding.

Payment of dividends (including constructive dividends), and the tax withheld with respect thereto, is subject to information reporting requirements. These information reporting requirements apply regardless of whether withholding was reduced or eliminated by an applicable tax treaty or withholding was not required because the dividends were effectively connected with a trade or business in the United States conducted by the non-U.S. holder. Copies of the information returns reporting such dividends and withholding may also be made available under the provisions of an applicable tax treaty or agreement with the tax authorities in the country in which the non-U.S. holder resides. U.S. backup withholding will generally apply to the payment of dividends to non-U.S. holders unless such non-U.S. holders furnish to the payor a Form W-8BEN or Form W-8BEN-E (or other applicable form) or otherwise establish an exemption.

Payment by a U.S. office of a broker of the proceeds of a sale of our Series J Convertible Preferred Stock, our common stock or the Warrants is subject to both backup withholding and information reporting unless the non-U.S. holder, or beneficial owner thereof, as applicable, certifies that it is a non-U.S. holder on Form W-8BEN or Form W-8BEN-E (or other suitable substitute or successor form), or otherwise establishes an exemption. Subject to certain exceptions, backup withholding and information reporting generally will not apply to a payment of proceeds from the sale of our Series J Convertible Preferred Stock, our common stock or the Warrants if such sale is effected through a foreign office of a broker, provided that the broker does not have certain U.S. connections.

Amounts withheld under the backup withholding rules from a payment to a non-U.S. holder are not additional taxes and may be refunded or credited against such holder's U.S. federal income tax liability (if any), which may entitle the holder to a refund if in excess of such liability, provided that the holder timely provides

the required information to the IRS. Non-U.S. holders are urged to consult their own tax advisers regarding the application of backup withholding in their particular circumstances and the availability of and procedure for obtaining an exemption from backup withholding under current Treasury Regulations.

FATCA.

Sections 1471 to 1474 of the Code (such sections, and the Treasury Regulations and administrative guidance issued thereunder, commonly referred to as "FATCA") impose a 30% U.S. withholding tax on certain "withholdable payments" made to a "foreign financial institution" or a "non-financial foreign entity." "Withholdable payments" include payments of dividends. In general, if a holder is a "foreign financial institution" (which includes investment entities such as hedge funds and private equity funds), the 30% withholding tax will apply to withholdable payments made to such holder, unless such holder enter into an agreement with the U.S. Department of Treasury to collect and provide substantial information regarding its U.S. account holders, including certain account holders that are foreign entities with U.S. owners. If such holder is a "non-financial foreign entity," FATCA also generally will impose a withholding tax of 30% on withholdable payments made to such holder unless the holder provide the withholding agent with a certification that it does not have any "substantial United States owners" or a certification identifying its direct and indirect substantial United States owners. Intergovernmental agreements between the United States and a holder's resident country may modify some of the foregoing requirements. The Treasury Secretary has issued proposed regulations providing that the withholding provisions under FATCA do not apply with respect to the gross proceeds from a sale or other disposition of Class J Common Stock, which may be relied upon by taxpayers until final regulations are issued.

Non-U.S. holders should consult their own tax advisers with respect to the U.S. federal income tax consequences of FATCA on their ownership and disposition of our Series J Convertible Preferred Stock, our common stock and the Warrants.

Excise Tax

We may be subject to the Excise Tax (as defined below) included in the Inflation Reduction Act ("IRA") enacted in August 2022 in connection with redemptions of our Series J Convertible Preferred Stock or our common stock. In particular, an excise tax is imposed on "covered corporations" (generally, publicly-traded domestic corporations) equal to 1% of the fair market value of certain stock repurchased after December 31, 2022 (the "Excise Tax"). The Excise Tax base is reduced by the fair market value of any issuances of the covered corporation's stock during its taxable year. The fair market value of any of shares our Series J Convertible Preferred Stock or common stock that are redeemed may exceed the fair market value of any of our stock issued during the same taxable year. Consequently, the Excise Tax may reduce the amount of cash we have available to shareholders.

The preceding discussion of material U.S. federal income tax consequences is for informational purposes only. It is not tax advice. Prospective investors should consult their own tax advisors regarding the particular U.S. federal, state, local and non-U.S. tax consequences of purchasing, holding and disposing of our Units, Series J Convertible Preferred Stock, our common stock or the Warrants, including the consequences of any proposed changes in applicable laws.

PLAN OF DISTRIBUTION

We are offering on a best efforts basis up to 400,000 Units, at an assumed offering price of \$15.00 per Unit, for gross proceeds of up to \$6 million, before deduction of placement agent fees and offering expenses.

Because this is a best efforts offering, the placement agents do not have an obligation to purchase any securities. We expect that the offering will end two trading days after we first enter into a securities purchase agreement relating to the offering and the offering will settle delivery versus payment ("DVP")/receipt versus payment ("RVP"). Accordingly, we and the placement agents have not made any arrangements to place investor funds in an escrow account or trust account since the placement agents will not receive investor funds in connection with the sale of the securities offered hereunder.

Pursuant to a placement agency agreement, we have engaged Lake Street Capital Markets, LLC ("Lake Street") and Maxim Group LLC ("Maxim") to act as the placement agents (the "placement agents") to solicit offers to purchase the securities offered by this prospectus. The placement agents are not purchasing or selling any securities, nor are they required to arrange for the purchase and sale of any specific number or dollar amount of securities, other than to use their "reasonable best efforts" to arrange for the sale of the securities by us. Therefore, we may not sell the entire amount of securities being offered. There is no minimum amount of proceeds that is a condition to closing of this offering. We will enter into a securities purchase agreement directly with the investors, at the investor's option, who purchase our securities in this offering. Investors who do not enter into a securities purchase agreement shall rely solely on this prospectus in connection with the purchase of our securities in this offering. The placement agents may engage one or more subagents or selected dealers in connection with this offering.

The placement agency agreement provides that the placement agents' obligations are subject to conditions contained in the placement agency agreement.

We will deliver the securities being issued to the investors upon receipt of investor funds for the purchase of the securities offered pursuant to this prospectus.

Placement Agent Fees, Commissions and Expenses

Upon the closing of this offering, we will pay the placement agents a cash transaction fee equal to 8.0% of the aggregate gross cash proceeds to us from the sale of the securities in the offering. Pursuant to the placement agency agreement, we will agree to reimburse the placement agents for certain out-of-pocket expenses of the placement agents payable by us, in an aggregate amount not to exceed \$100,000. The placement agency agreement, however, will provide that in the event this offering is terminated, the placement agents will only be entitled to the reimbursement of out-of-pocket accountable expenses actually incurred in accordance with Financial Industry Regulatory Authority, Inc. ("FINRA") Rule 5110(f)(2)(C).

The following table shows the public offering price, placement agents' fees and proceeds, before expenses, to us.

	Per Unit	Total
Public offering price	\$15.00	\$6,000,000
Placement agents' fees (8.0%)	\$ 1.20	\$ 480,000
Proceeds, before expenses, to us	\$13.80	\$5,520,000

We estimate that the total expenses of the offering, including registration, filing and listing fees, printing fees and legal and accounting expenses, but excluding the placement agents' commission, will be approximately \$375,792, all of which are payable by us. This figure includes, among other things, the placement agents' fees and expenses (including the legal fees, costs and expenses for the Placement Agent's legal counsel) up to \$100,000.

Determination of Offering Price

Our common stock is currently traded on the Nasdaq Capital Market under the ticker symbol "NUWE." On September 27, 2023, the closing price of our common stock was \$1.53 per share.

The public offering price of the Units offered by this prospectus were negotiated between us, the placement agents and the investors in the offering based on the trading of our shares of common stock prior to the offering, among other things. Among the other factors that were considered in determining the public offering price of the Units:

- our history and our prospects;
- the industry in which we operate;
- our past and present operating results;
- the previous experience of our executive officers; and
- the general condition of the securities markets at the time of this offering.

Lock-Up Agreements

We have agreed with the placement agents not to, subject to certain exceptions, (i) offer, pledge, issue, sell, contract to sell, lend or otherwise transfer or dispose of, directly or indirectly, any shares of our common stock or any securities convertible into or exercisable or exchangeable for our common stock; (ii) enter into any swap or other arrangement that transfers to another, in whole or in part, any of the economic consequences of ownership of shares of our common stock; or (iii) file any registration statement with the SEC relating to this offering of any shares of our common stock or any securities convertible into or exercisable or exchangeable for shares of our common stock, other than with respect to the registration of shares of our common stock to be issued under an equity incentive plan, without the prior written consent of the placement agents for a period of 90 days following the date of this prospectus (the "Lock-Up Period"). This consent may be given at any time. These restrictions on future issuances are subject to exceptions for (i) the filing by the Company of a registration statement on Form S-4 or a registration statement on Form S-8 or a successor form thereto with respect to securities pursuant to any stock option, stock bonus or other stock plan or arrangement or the proposal or authorization of any increase in the Company's authorized capital stock, (ii) the issuance of securities sold in this offering, and the issuance of securities upon the conversion or exercise of securities sold in this offering, (iii) the issuance of shares of our common stock upon the exercise of outstanding options or warrants or the vesting of outstanding restricted stock units, (iv) the issuance of employee stock options not exercisable during the Lock-Up Period and the grant or forfeiture of restricted stock awards or restricted stock units pursuant to our equity incentive plans or other arrangements described in this prospectus or the documents incorporated by reference herein and (v) the issuance of securities issued pursuant to certain acquisitions or strategic transactions not primarily for the purpose of raising capital.

In addition, our directors and executive officers have entered into lock-up agreements with the placement agents. Under these agreements, these individuals have agreed, subject to certain specified exceptions, not to sell or transfer any shares of common stock or securities convertible into or exchangeable or exercisable for our shares of common stock during the Lock-Up Period, without first obtaining the written consent of the placement agents. Specifically, these individuals have agreed, in part, not to:

- (1) offer, pledge, announce the intention to sell, sell, contract to sell, sell any option or contract to purchase, purchase any option or contract to sell, grant any option, right or warrant to purchase, make any short sale or otherwise transfer or dispose of, directly or indirectly, any shares of our common stock or any securities convertible into or exercisable or exchangeable for shares of our common stock (including without limitation, our common stock which may be deemed to be beneficially owned by the undersigned in accordance with the rules and regulations of the SEC and securities which may be issued upon exercise of a stock option or warrant), whether now owned or hereafter acquired (the "Undersigned's Securities");
- (2) enter into any swap or other arrangement that transfers to another, in whole or in part, any of the economic consequences of ownership of the Undersigned's Securities;

whether any such transaction described in clause (1) or (2) above is to be settled by delivery of our common stock or such other securities, in cash or otherwise;

- (3) make any demand for or exercise any right with respect to the registration of any shares of our common stock or any security convertible into or exercisable or exchangeable for our common stock; or
- (4) publicly announce or disclose the intention to do any of the foregoing.



Other Relationships

The Placement Agents and their affiliates may in the future provide various investment banking and other financial services for us and our affiliates for which they may in the future receive customary fees.

Common Stock Listing

Our common stock is currently listed on The Nasdaq Capital Market under the symbol "NUWE." We do not intend to list the warrants or preferred stock to be sold in this offering on any stock exchange or other trading market.

Transfer Agent and Registrar

The transfer agent and registrar for our common stock is Equiniti Trust Company, LLC.

Electronic Offer, Sale and Distribution of Shares

This registration statement may be made available in electronic format on websites or through other online services maintained by the placement agents, or their affiliates. Other than this registration statement in electronic format, the information on any placement agent's websites and any information contained in any other websites maintained by the placement agents are not part of this prospectus or the registration statement of which this prospectus forms a part, has not been approved and/or endorsed by us or either placement agent, and should not be relied upon by investors.

Right of First Refusal

We have granted the Placement Agents (or any affiliate designated by the Placement Agents) the right to provide investment banking services to us on an exclusive basis in all matters involving our equity securities or other instruments that may at any time be convertible into, exchangeable for, or otherwise entitle the holder thereof to receive, directly or indirectly, equity securities of us, for which investment banking services are sought by us (the "Right of First Refusal"), for the period commencing on the date hereof and ending on the 6-month following the consummation of this offering. The Right of First Refusal shall be subject to FINRA Rule 5110(g)(5)(B), including that (i) the Right of First Refusal may be terminated by us for "cause", and (ii) our exercise of the right of "termination for cause" eliminates any obligations with respect to the payment of any termination fee or provision of any right of first refusal.

Tail

We have also agreed to pay the Placement Agents a tail fee equal to the cash compensation in this offering, if any investor, who was contacted or introduced to us by the Placement Agents during the term of their engagement who was not a prior investor in us, provides us with capital in any public or private offering or other financing or capital raising transaction during the 6-month period following consummation of this offering, subject to certain exceptions.

Indemnification

We have agreed to indemnify the placement agents against certain liabilities, including certain liabilities arising under the Securities Act or to contribute to payments that the placement agents may be required to make for these liabilities.

Regulation M

The placement agents may be deemed to be an underwriter within the meaning of Section 2(a)(11) of the Securities Act, and any commissions received by them and any profit realized on the resale of the securities sold by them while acting as principal may be deemed to be underwriting discounts or commissions under the Securities Act. As underwriter, the placement agents would be required to comply with the requirements of the Securities Act and the Exchange Act, including, without limitation, Rule 10b-5 and Regulation M under the Exchange Act. These rules and regulations may limit the timing of purchases and sales of our securities by the placement agents acting as principal. Under these rules and regulations, the placement agents (i) may not engage

in any stabilization activity in connection with our securities and (ii) may not bid for or purchase any of our securities or attempt to induce any person to purchase any of our securities, other than as permitted under the Exchange Act, until they have completed their participation in the distribution.

Offer Restrictions Outside the United States

Other than in the United States, no action has been taken by us or the Placement Agent that would permit a public offering of the securities offered by this prospectus in any jurisdiction where action for that purpose is required. The securities offered by this prospectus may not be offered or sold, directly or indirectly, nor may this prospectus or any other offering material or advertisements in connection with the offer and sale of any such securities be distributed or published in any jurisdiction, except under circumstances that will result in compliance with the applicable rules and regulations of that jurisdiction. Persons into whose possession this prospectus comes are advised to inform themselves about and to observe any restrictions relating to this offering and the distribution of this prospectus. This prospectus does not constitute an offer to sell or a solicitation of an offer to buy any securities offered by this prospectus in any jurisdiction in which such an offer or a solicitation is unlawful.

Selling Restrictions

Notice to prospective investors in the United Kingdom

In relation to the United Kingdom, no securities have been offered or will be offered to the public in the United Kingdom prior to the publication of a prospectus in relation to the securities which has been approved by the competent authority in the United Kingdom, except that offers of securities may be made to the public in the United Kingdom at any time under the following exemptions under the Prospectus Regulation:

- i. to any legal entity which is a qualified investor as defined under the Prospectus Regulation;
- ii. to fewer than 150 natural or legal persons (other than qualified investors as defined in the Prospectus Regulation), subject to obtaining the prior consent of the placement agents; or
- iii. in any other circumstances falling within Article 1(4) of the Prospectus Regulation;

provided that no such offer of shares shall require the issuer or any placement agent to publish a prospectus pursuant to Article 3 of the Prospectus Regulation or supplement a prospectus pursuant to Article 23 of the Prospectus Regulation and each person who initially acquires any securities or to whom any offer is made will be deemed to have represented, acknowledged and agreed to and with each of the placement agents and us that it is a "qualified investor" within the meaning of Article 2(e) of the Prospectus Regulation. In the case of any securities being offered to a financial intermediary as that term is used in the Prospectus Regulation, each such financial intermediary will be deemed to have represented, acknowledged and agreed that the securities acquired by it in the offer have not been acquired on a non-discretionary basis on behalf of, nor have they been acquired with a view to their offer or resale to, persons in circumstances which may give rise to an offer of any securities to the public other than their offer or resale in the United Kingdom to qualified investors as so defined or in circumstances in which the prior consent of the placement agents have been obtained to each such proposed offer or resale.

For the purposes of this provision, the expression an "offer to the public" in relation to any securities in the United Kingdom means the communication in any form and by any means of sufficient information on the terms of the offer and any securities to be offered so as to enable an investor to decide to purchase or subscribe for any securities, and the expression "Prospectus Regulation" means Regulation (EU) 2017/1129. References to the Prospectus Regulation includes, in relation to the United Kingdom, the Prospectus Regulation as it forms part of United Kingdom domestic law by virtue of the European Union (Withdrawal) Act 2018.

In addition, in the United Kingdom, this prospectus is being distributed only to, and is directed only at, and any offer subsequently made may only be directed at persons who are "qualified investors" (as defined in the Prospectus Regulation) (i) who have professional experience in matters relating to investments falling within Article 19 (5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005, as amended, or the Order and/or (ii) who are high net worth companies (or persons to whom it may otherwise be lawfully communicated) falling within Article 49(2)(a) to (d) of the Order, all such persons together being referred to as "relevant persons" or otherwise in circumstances which have not resulted and will not result in an offer to the public of the securities in the United Kingdom within the meaning of the Financial Services and Markets Act 2000.

Any person in the United Kingdom that is not a relevant person should not act or rely on the information included in this prospectus or use it as basis for taking any action. In the United Kingdom, any investment or investment activity that this prospectus relates to may be made or taken exclusively by relevant persons.

Notice to prospective investors in Canada

The securities may be sold only to purchasers purchasing, or deemed to be purchasing, as principal that are accredited investors, as defined in National Instrument 45-106 Prospectus Exemptions or subsection 73.3(1) of the Securities Act (Ontario), and are permitted clients, as defined in National Instrument 31-103 Registration Requirements, Exemptions and Ongoing Registrant Obligations. Any resale of the securities must be made in accordance with an exemption from, or in a transaction not subject to, the prospectus requirements of applicable securities laws.

Securities legislation in certain provinces or territories of Canada may provide a purchaser with remedies for rescission or damages if this prospectus (including any amendment thereto) contains a misrepresentation, provided that the remedies for rescission or damages are exercised by the purchaser within the time limit prescribed by the securities legislation of the purchaser's province or territory. The purchaser should refer to any applicable provisions of the securities legislation of the purchaser's province or territory for particulars of these rights or consult with a legal advisor.

Pursuant to section 3A.3 of National Instrument 33-105 Underwriting Conflicts (NI 33-105), the underwriters are not required to comply with the disclosure requirements of NI 33-105 regarding underwriter conflicts of interest in connection with this offering.

Notice to prospective investors in Australia

This prospectus:

- does not constitute a disclosure document or a prospectus under Chapter 6D.2 of the Corporations Act 2001 (Cth), or the Corporations Act;
- has not been, and will not be, lodged with the Australian Securities and Investments Commission, or ASIC, as a disclosure document for the purposes of the Corporations Act and does not purport to include the information required of a disclosure document for the purposes of the Corporations Act; and
- may only be provided in Australia to select investors who are able to demonstrate that they fall within one
 or more of the categories of investors, available under section 708 of the Corporations Act, or the Exempt
 Investors.

The securities may not be directly or indirectly offered for subscription or purchased or sold, and no invitations to subscribe for or buy the securities may be issued, and no draft or definitive offering memorandum, advertisement or other offering material relating to any securities may be distributed in Australia, except where disclosure to investors is not required under Chapter 6D of the Corporations Act or is otherwise in compliance with all applicable Australian laws and regulations. By submitting an application for the securities, you represent and warrant to us that you are an Exempt Investor.

As any offer of securities under this prospectus will be made without disclosure in Australia under Chapter 6D.2 of the Corporations Act, the offer of those securities for resale in Australia within 12 months may, under section 707 of the Corporations Act, require disclosure to investors under Chapter 6D.2 if none of the exemptions in section 708 applies to that resale. By applying for the securities, you undertake to us that you will not, for a period of 12 months from the date of issue of the securities, offer, transfer, assign or otherwise alienate those securities to investors in Australia except in circumstances where disclosure to investors is not required under Chapter 6D.2 of the Corporations Act or where a compliant disclosure document is prepared and lodged with ASIC.

Notice to prospective investors in the British Virgin Islands

The securities are not being, and may not be offered to the public or to any person in the British Virgin Islands for purchase or subscription by or on behalf of us. The securities may be offered to companies incorporated under the BVI Business Companies Act, 2004 (British Virgin Islands), or BVI Companies, but only

where the offer will be made to, and received by, the relevant BVI Company entirely outside of the British Virgin Islands. This prospectus has not been, and will not be, registered with the Financial Services Commission of the British Virgin Islands. No registered prospectus has been or will be prepared in respect of the securities for the purposes of the Securities and Investment Business Act, 2010 or the Public Issuers Code of the British Virgin Islands.

Notice to prospective investors in Israel

In the State of Israel, this prospectus shall not be regarded as an offer to the public to purchase the securities under the Israeli Securities Law, 5728-1968, which requires a prospectus to be published and authorized by the Israel Securities Authority, if it complies with certain provisions of Section 15 of the Israeli Securities Law, 5728-1968, including, inter alia, if: (i) the offer is made, distributed or directed to not more than 35 investors, subject to certain conditions, or the Addressed Investors; or (ii) the offer is made, distributed or directed to certain qualified investors defined in the First Addendum of the Israeli Securities Law, 5728-1968, subject to certain conditions, or the Qualified Investors. The Qualified Investors shall not be taken into account in the count of the Addressed Investors and may be offered to purchase securities in addition to the 35 Addressed Investors. The company has not and will not take any action that would require it to publish a prospectus in accordance with and subject to the Israeli Securities Law, 5728-1968. We have not and will not distribute this prospectus or make, distribute or direct an offer to subscribe for the securities to any person within the State of Israel, other than to Qualified Investors and up to 35 Addressed Investors. Qualified Investors may have to submit written evidence that they meet the definitions set out in of the First Addendum to the Israeli Securities Law, 5728-1968. In particular, we may request, as a condition to be offered common stock, that Qualified Investors will each represent, warrant and certify to us and/or to anyone acting on our behalf: (i) that it is an investor falling within one of the categories listed in the First Addendum to the Israeli Securities Law, 5728-1968; (ii) which of the categories listed in the First Addendum to the Israeli Securities Law, 5728-1968 regarding Qualified Investors is applicable to it; (iii) that it will abide by all provisions set forth in the Israeli Securities Law, 5728-1968 and the regulations promulgated thereunder in connection with the offer of the securities; (iv) that the securities that it will be issued are, subject to exemptions available under the Israeli Securities Law, 5728-1968: (a) for its own account; (b) for investment purposes only; and (c) not issued with a view to resale within the State of Israel, other than in accordance with the provisions of the Israeli Securities Law, 5728-1968; and (v) that it is willing to provide further evidence of its Qualified Investor status. Addressed Investors may have to submit written evidence in respect of their identity and may have to sign and submit a declaration containing, inter alia, the Addressed Investor's name, address and passport number or Israeli identification number.

LEGAL MATTERS

Honigman LLP, Kalamazoo, Michigan, will issue a legal opinion as to the validity of the securities offered by this prospectus. Sullivan & Worcester, LLP, New York, New York, is acting as counsel to the placement agents in connection with certain legal matters related to this offering.

EXPERTS

Baker Tilly US, LLP, our independent registered public accounting firm, has audited our consolidated financial statements as of and for the years ended December 31, 2022 and 2021 included in our <u>Annual Report on Form 10-K</u> for the year ended December 31, 2022, which are incorporated by reference into this prospectus and elsewhere in the registration statement, and are included in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

WHERE YOU CAN FIND ADDITIONAL INFORMATION

We file reports, proxy statements and other information with the SEC in accordance with the Exchange Act. Our reports, proxy statements and other information filed with the SEC are available free of charge to the public over the Internet at the SEC's website at http://www.sec.gov. These documents may also be accessed on our website at www.nuwellis.com. Information contained in, or accessible through, our website is not a part of this prospectus.

INFORMATION INCORPORATED BY REFERENCE

SEC rules allow us to "incorporate by reference" into this prospectus much of the information we file with the SEC, which means that we can disclose important information to you by referring you to those publicly available documents. The information that we incorporate by reference into this prospectus, including the consolidated financial statements, is considered to be part of this prospectus. These documents may include Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q and Current Reports on Form 8-K, as well as proxy statements. You should read the information incorporated by reference because it is an important part of this prospectus.

This prospectus incorporates by reference the documents listed below, other than those documents or the portions of those documents deemed to be furnished and not filed in accordance with SEC rules:

- our Annual Report on Form 10-K for the fiscal year ended December 31, 2022, filed with the SEC on March 3, 2023;
- our Quarterly Reports on Form 10-Q for the quarter ended March 31, 2023, filed with the SEC on <u>May 9</u>, 2023; and for the quarter ended June 30, 2023, filed with the SEC on <u>August 8, 2023</u>;
- our Current Reports on Form 8-K filed with the SEC on <u>January 5, 2023</u>, <u>January 18, 2023</u>, <u>March 1, 2023</u>, <u>May 22, 2023</u>, <u>June 5, 2023</u>, <u>June 21, 2023</u>, <u>August 8, 2023</u>, and <u>August 18, 2023</u>;
- the information specifically incorporated by reference into our Annual Report on Form 10-K for the year ended December 31, 2022 from our definitive proxy statement for the annual meeting of stockholders held on May 19, 2023, filed with the SEC on <u>April 7, 2023</u>;
- our definitive proxy statement for the annual meeting of stockholders held on May 19, 2023, filed with the SEC on <u>April 7, 2023;</u>
- the description of our common stock in our registration statement on Form 10 filed with the SEC on September 30, 2011, including any amendment or report filed for the purpose of updating such description; and
- the description of our Series A Junior Participating Preferred Stock, par value \$0.0001 per share, in our registration statement on Form 8-A filed with the SEC on June 14, 2013.

All documents we file with the SEC pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act, except as to any portion of any report or document that is not deemed filed under such provisions, (i) on or after the date of filing of the registration statement containing this prospectus and prior to the effectiveness of the registration statement and (ii) on or after the date of this prospectus until the earlier of the date on which all of the securities registered hereunder have been sold or this prospectus has been withdrawn, shall be deemed incorporated by reference in this prospectus and to be a part of this prospectus from the date of filing of those documents. The information in documents that we file in the future will update and supersede the information currently included and incorporated by reference in this prospectus. Nothing in this prospectus shall be deemed to incorporate information furnished but not filed with the SEC pursuant to Item 2.02 or 7.01 of Form 8-K.

These documents may also be accessed on our website at *https://www.nuwellis.com/*. Information contained in, or accessible through, our website is not a part of this prospectus.

We will provide without charge to each person, including any beneficial owners, to whom this prospectus is delivered, upon his or her written or oral request, a copy of any or all reports or documents referred to above which have been or may be incorporated by reference into this prospectus but not delivered with this prospectus, excluding exhibits to those reports or documents unless they are specifically incorporated by reference into those documents. You may request a copy of these documents by writing or telephoning us at the following address:

Nuwellis, Inc. 12988 Valley View Road Eden Prairie, Minnesota 55344 (952) 345-4200 ir@nuwellis.com Attention: Robert B. Scott Chief Financial Officer

PART II INFORMATION NOT REQUIRED IN PROSPECTUS

Item 13. Other Expenses of Issuance and Distribution.

The following table sets forth the estimated costs and expenses, other than placement agent fees and commissions, to be incurred in connection with the issuance and distribution of the securities registered under this Registration Statement. All amounts are estimates except the Securities and Exchange Commission registration fee and the FINRA filing fee.

	Amount to be Paid
SEC registration fee	\$ 992
FINRA filing fee	2,300
Legal fees and expenses	235,000
Printing expenses	33,500
Accountant's fees and expenses	65,000
Warrant agent fees	12,000
Transfer agent and registrar fees	12,000
Miscellaneous fees and expenses	15,000
Total	\$375,792

Item 14. Indemnification of Directors and Officers.

Our certificate of incorporation and bylaws provide that each person who was or is made a party or is threatened to be made a party to or is otherwise involved (including, without limitation, as a witness) in any action, suit or proceeding, whether civil, criminal, administrative or investigative, by reason of the fact that he or she is or was a director or an officer of Nuwellis, Inc. or is or was serving at our request as a director, officer, or trustee of another corporation, or of a partnership, joint venture, trust or other enterprise, including service with respect to an employee benefit plan, whether the basis of such proceeding is alleged action in an official capacity as a director, officer or trustee or in any other capacity while serving as a director, officer or trustee, shall be indemnified and held harmless by us to the fullest extent authorized by the Delaware General Corporation Law, as amended (the "DGCL"), against all expense, liability and loss (including attorneys' fees, judgments, fines, ERISA excise taxes or penalties and amounts paid in settlement) reasonably incurred or suffered by such.

Section 145 of the DGCL permits a corporation to indemnify any director or officer of the corporation against expenses (including attorney's fees), judgments, fines and amounts paid in settlement actually and reasonably incurred in connection with any action, suit or proceeding brought by reason of the fact that such person is or was a director or officer of the corporation, if such person acted in good faith and in a manner that he or she reasonably believed to be in, or not opposed to, the best interests of the corporation, and, with respect to any criminal action or proceeding, if he or she had no reason to believe his or her conduct was unlawful. In a derivative action, (i.e., one brought by or on behalf of the corporation), indemnification may be provided only for expenses actually and reasonably incurred by any director or officer in connection with the defense or settlement of such an action or suit if such person acted in good faith and in a manner that he or she reasonably believed to be in, or not opposed to, the best interests of the corporation with the defense or settlement of such an action or suit if such person acted in good faith and in a manner that he or she reasonably believed to be in, or not opposed to, the best interests of the corporation, except that no indemnification shall be provided if such person shall have been adjudged to be liable to the corporation, unless and only to the extent that the court in which the action or suit was brought shall determine that the defendant is fairly and reasonably entitled to indemnity for such expenses despite such adjudication of liability.

Pursuant to Section 102(b)(7) of the DGCL, our certificate of incorporation eliminates the liability of a director to us or our stockholders for monetary damages for such a breach of fiduciary duty as a director, except for liabilities arising:

- from any breach of the director's duty of loyalty to us or our stockholders;
- from acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law;
- under Section 174 of the DGCL; and
- from any transaction from which the director derived an improper personal benefit.

We carry insurance policies insuring our directors and officers against certain liabilities that they may incur in their capacities as directors and officers.

The Company has entered into indemnification agreements with each of its directors and executive officers. Pursuant to the indemnification agreements, the Company agrees to hold harmless and indemnify its directors and executive officers to the fullest extent authorized or permitted by the provisions of the Company's certificate of incorporation and bylaws and the DGCL, including for any amounts that such director or officer becomes obligated to pay because of any claim to which such director or officer is made or threatened to be made a party, witness or participant, by reason of such director's or officer's service as a director, officer, employee or other agent of the Company.

There are certain exceptions from the Company's obligation to indemnify its directors and executive officers pursuant to the indemnification agreements, including for "short-swing" profit claims under Section 16(b) of the Exchange Act, losses that result from conduct that is established by a final judgment as knowingly fraudulent or deliberately dishonest or that constituted willful misconduct, or that constituted a breach of the duty of loyalty to the Company or resulted in any improper personal profit or advantage, where payment is actually made to a director or officer under an insurance policy, indemnity clause, bylaw or agreement, except in respect of any excess beyond payment under such insurance, clause, bylaw or agreement, for indemnification which is not lawful, or in connection with any proceeding initiated by such director or officer, or any proceeding against the Company or its directors, officers, employees or other agents, unless (i) such indemnification is expressly required to be made by law, (ii) the proceeding was authorized by the board of directors of the Company, (iii) such indemnification is provided by the Company, in its sole discretion, pursuant to the powers vested in the Company under the DGCL, or (iv) the proceeding is initiated to enforce a claim for indemnification pursuant to the indemnification agreement.

All agreements and obligations of the Company contained in the indemnification agreements shall continue during the period when the director or officer who is a party to an indemnification agreement is a director, officer, employee or other agent of the Company (or is or is serving at the request of the Company as a director, officer, employee or other agent of another corporation, partnership, joint venture, trust, employee benefit plan or other enterprise) and shall continue thereafter so long as such director or officer shall be subject to any possible claim or threatened, pending or completed action, suit or proceeding, whether civil, criminal, arbitrational, administrative or investigative. In addition, the indemnification agreements provide for partial indemnification and advance of expenses.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to our directors, officers or controlling persons pursuant to the foregoing provisions, or otherwise, we have been advised that in the opinion of the Securities and Exchange Commission this indemnification is against public policy as expressed in the Securities Act, and is, therefore, unenforceable.

Item 15. Recent Sales of Unregistered Securities.

The following sets forth information regarding all unregistered securities sold by the registrant in the three years preceding the date of this registration statement. This information has been retroactively adjusted to reflect the reverse stock splits for all periods presented.

On June 19, 2023, the registrant granted a warrant to DaVita, Inc. ("DaVita"), pursuant to a Supply and Collaboration Agreement ("Supply Agreement") dated as of June 19, 2023, pursuant to which DaVita will pilot the Aquadex ultrafiltration therapy system to treat adult patients with congestive heart failure and related conditions within select U.S. markets. The warrant represents the right to purchase up to an aggregate of 1,289,081 shares of common stock of the Company, par value \$0.0001 per share, at an exercise price of \$3.2996 per share, provided that at no time can it be exercised for an amount of shares that would represent greater than 19.9% ownership in the Company (the "DaVita Warrant") subject to certain vesting milestones. The DaVita Warrant is expected to vest in four tranches as follows (i): 25% upon the Company's receipt of notice to extend the Supply Agreement past the initial pilot-term (the "Ultrafiltration Services Approval"); (ii) 25% upon the attainment by the Company of a net revenue achievement from DaVita's efforts pursuant to the Supply Agreement within twelve months of the Ultrafiltration Services Approval; (iii) 25% upon the attainment by the Company of a net revenue achievement from DaVita's efforts pursuant to the Supply Agreement within twenty-four months of Ultrafiltration Services Approval; and (iv) 25% upon the attainment by the Company of a net revenue achievement from DaVita's efforts pursuant to the Supply Agreement within thirty-six months of Ultrafiltration Services Approval. This issuance was made in reliance upon the exemption for transactions by an issuer not involving any public offering under Section 4(a)(2) of the Securities Act and Rule 506 of Regulation D promulgated thereunder.

II-2

Item 16. Exhibits and Financial Statement Schedules

(a) Exhibits

The following exhibits are filed as part of this registration statement:

			Incorporate			
Exhibit Number	Exhibit Description	Form	File Number	Date of First Filing	Exhibit Number	Filed Herewith
<u>1.1</u>	Form of Placement Agency Agreement by and between the Company, Lake Street Capital Markets, LLC and Maxim Group, LLC					X
<u>3.1</u>	Fourth Amended and Restated Certificate of Incorporation	10	001-35312	February 1, 2012	3.1	
2.0						
<u>3.2</u>	Certificate of Amendment to the Fourth Amended and Restated Certificate of Incorporation	8-K	001-35312	January 13, 2017	3.1	
<u>3.3</u>	Certificate of Amendment to the Fourth Amended and Restated Certificate of Incorporation	8-K	001-35312	May 23, 2017	3.1	
<u>3.4</u>	Certificate of Amendment to the Fourth Amended and Restated Certificate of Incorporation	8-K	001-35312	October 12, 2017	3.1	
<u>3.5</u>	Certificate of Amendment to the Fourth Amended and Restated Certificate of Incorporation	8-K	001-35312	January 2, 2019	3.1	
<u>3.6</u>	Certificate of Amendment to the Fourth Amended and Restated Certificate of Incorporation	8-K/A	001-35312	October 16, 2020	3.1	
<u>3.7</u>	Certificate of Amendment to the Fourth Amended and Restated Certificate of Incorporation	8-K	001-35312	April 27, 2021	3.1	
<u>3.8</u>	Certificate of Amendment to the Fourth Amended and Restated Certificate of Incorporation	8-K	001-35312	December 9, 2022	3.1	
<u>3.9</u>	Third Amended and Restated Bylaws	8-K	001-35312	April 27, 2021	3.2	
<u>3.10</u>	Amendment to Third Amended and Restated Bylaws	8-K	001-35312	October 5, 2022	3.1	
<u>3.11</u>	Form of Certificate of Designation of Series A Junior Participating Preferred Stock	8-K	001-35312	June 14, 2013	3.1	

			Incorporate			
Exhibit Number	Exhibit Description	Form	File Number	Date of First Filing	Exhibit Number	Filed Herewith
<u>3.12</u>	Form of Certificate of Designation of Preferences, Rights and Limitations of Series F Convertible Preferred Stock	S-1/A	333-221010	November 17, 2017	3.7	
3.13	Form of Certificate of Designation of					
<u>5,15</u>	Preferences, Rights and Limitations of Series J Convertible Redeemable Preferred Stock					Х
<u>4.1</u>	Form of Warrant to Purchase Shares of Common Stock	S-1/A	333-221010	November 17, 2017	4.9	
<u>4.2</u>	Form of Series 1 and Series 2 Warrant to Purchase Shares of Common Stock	S-1/A	333-209102	February 25, 2019	4.10	
<u>4.3</u>	Common Stock Purchase Warrant, dated May 30, 2019, between the Company and Redington, Inc.	10-Q	001-35312	August 8, 2019	4.1	
<u>4.4</u>	Form of Common Stock Purchase Warrant issued pursuant to the Securities Purchase Agreement, dated October 23, 2019, among the Company and the purchasers signatory thereto	8-K	001-35312	October 23, 2019	4.1	
<u>4.5</u>	Form of Common Stock Purchase Warrant issued pursuant to the Securities Purchase Agreement, dated November 4, 2019, among the Company and the purchasers signatory thereto	8-K	001-35312	November 4, 2019	4.1	
<u>4.6</u>	Form of Common Stock Pre-Funded Purchase Warrant issued pursuant to the Securities Purchase Agreement, dated November 4, 2019, among the Company and the purchasers signatory thereto	8-K	001-35312	November 4, 2019	4.2	
<u>4.7</u>	Form of Common Stock Purchase Warrant	S-1/A	333-235385	January 23, 2020	4.15	

			Incorporate	_		
Exhibit Number	Exhibit Description	Form	File Number	Date of First Filing	Exhibit Number	Filed Herewith
<u>4.8</u>	Form of Common Stock Purchase Warrant issued pursuant to the Securities Purchase Agreement, dated March 19, 2020, among the Company and the purchasers identified on the signature pages thereto	8-K	001-35312	March 20, 2020	4.1	
	Signature pages dicreto	0 10	001 00012	1011120, 2020		
<u>4.9</u>	Form of Common Stock Purchase Warrant issued pursuant to the Securities Purchase Agreement, dated March 30, 2020, among the Company and the purchasers identified on the signature pages thereto	8-K	001-35312	March 30, 2020	4.1	
<u>4.10</u>	Form of Common Stock Purchase Warrant issued pursuant to the Securities Purchase Agreement, dated May 1, 2020, among the Company and the purchasers identified on the signature pages thereto	8-K	001-35312	May 4, 2020	4.1	
	0 10					
<u>4.11</u>	Form of Warrant to Purchase Shares of Common Stock	S-1/A	333-24145	August 17, 2020	4.19	
<u>4.12</u>	Warrant to Purchase Shares of Common Stock	S-1/A	333-267368	October 13, 2022	4.20	
<u>4.13</u>	Form of Warrant to purchase shares of Series J Convertible Preferred Stock					Х
<u>4.14</u>	Specimen of Common Stock Certificate	10	001-35312	September 30, 2011	4.1	
<u>4.15</u>	DaVita Inc. Common Stock Warrant Agreement+	8-K	001-35312	June 21, 2023	4.1	
<u>5.1</u>	Opinion of Honigman LLP					Х
<u>10.1</u>	Patent License Agreement between Sunshine Heart, Inc. and Gambro UF Solutions, Inc. dated August 5, 2016	8-K	001-35312	August 8, 2016	10.1	
<u>10.2</u>	2013 Non-Employee Directors' Equity Incentive Plan†	14A	001-35312	April 5, 2013	App. A	

		Incorporated By Reference				
Exhibit Number	Exhibit Description	Form	File Number	Date of First Filing	Exhibit Number	Filed Herewith
<u>10.3</u>	Form of Stock Option Grant Notice and Option Agreement for 2013 Non- Employee Directors' Equity Incentive Plan†	8-K	001-35312	May 29, 2013	10.2	
<u>10.4</u>	Form of Restricted Stock Unit Award Grant Notice and Agreement for 2013 Non-Employee Directors' Equity Incentive Plan†	10-K	001-35312	March 20, 2015	10.11	
<u>10.5</u>	New-Hire Equity Incentive Plan†	10-Q	001-35312	August 8, 2013	10.1	
<u>10.6</u>	First Amendment to New-Hire Equity Incentive Plan†	10-Q	001-35312	November 12, 2013	10.1	
<u>10.7</u>	Second Amendment to New-Hire Equity Incentive Plan†	S-8	333-202904	March 20, 2015	99.12	
<u>10.8</u>	Third Amendment to New-Hire Equity Incentive Plan†	S-8	333-210215	March 15, 2016	99.13	
<u>10.9</u>	Fourth Amendment to New-Hire Equity Incentive Plan†	8-K	001-35312	May 30, 2017	10.4	
<u>10.10</u>	Fifth Amendment to New-Hire Equity Incentive Plan†	8-K	001-35312	January 18, 2018	10.1	
<u>10.11</u>	Sixth Amendment to New-Hire Equity Incentive Plan†	10-Q	001-35312	August 8, 2019	10.2	
<u>10.12</u>	Seventh Amendment to New-Hire Equity Incentive Plan†	8-K	001-35312	December 6, 2019	10.1	
<u>10.13</u>	Eighth Amendment to New-Hire Equity Incentive Plan†	8-K/A	001-35312	February 25, 2021	10.1	
<u>10.14</u>	Form of Stock Option Grant Notice and Option Agreement for New-Hire Equity Incentive Plan†	10-Q	001-35312	November 12, 2013	10.2	
<u>10.15</u>	2017 Equity Incentive Plan†	8-K	001-35312	May 30, 2017	10.1	
<u>10.16</u>	First Amendment to the 2017 Equity Incentive Plan†	14A	001-35312	September 11, 2020	App. A	
<u>10.17</u>	Second Amendment to the 2017 Equity Incentive Plan ⁺	10-K	001-35312	March 3, 2023	10.17	

		Incorporated By Reference						
Exhibit Number	Exhibit Description	Form	File Number	Date of First Filing	Exhibit Number	Filed Herewith		
<u>10.18</u>	Form of Stock Option Grant Notice and Option Agreement for 2017 Equity Incentive Plan†	8-K	001-35312	May 30, 2017	10.2			
<u>10.19</u>	Form of Restricted Stock Unit Grant Notice and Restricted Stock Unit Agreement for 2017 Equity Incentive Plan ⁺	8-K	001-35312	May 30, 2017	10.3			
<u>10.20</u>	Nuwellis, Inc. 2021 Inducement Plan†	8-K	001-35312	May 20, 2021	10.1			
<u>10.21</u>	First Amendment to the 2021 Inducement Plan†	8-K	001-35312	April 21, 2022	10.1			
<u>10.22</u>	Second Amendment to the 2021 Inducement Plan†	8-K	001-35312	March 1, 2023	10.1			
<u>10.23</u>	Form of Stock Option Grant Notice, Option Agreement and Notice of Exercise under the Nuwellis, Inc. 2021 Inducement Plan [†]	8-K	001-35312	May 20, 2021	10.2			
<u>10.24</u>	Form of Indemnity Agreement for the Company's executive officers and directors†	10	001-35312	September 30, 2011	10.1			
<u>10.25</u>	Form of Change in Control Agreement for the Company's executive officers†	10-K	001-35312	March 20, 2015	10.16			
<u>10.26</u>	Non-Employee Director Compensation Policy (effective August 18, 2021)†	10-Q	001-35312	November 10, 2021	10.2			
<u>10.27</u>	Non-Employee Director Compensation Policy (effective January 1, 2023) †	10-K	001-35312	March 3, 2023	10.27			
<u>10.28</u>	Lease Agreement dated October 21, 2011 by and between the Company and Silver Prairie Crossroads, LLC	10	001-35312	December 16, 2011	10.18			
<u>10.29</u>	Second Amendment to Lease, dated as of April 20, 2015, by and between the Company and Capital Partners Industrial Fund I, LLLP dba Prairie Crossroads Business Center	8-K	001-35312	April 23, 2015	10.1			

		Incorporated By Reference				
Exhibit Number	Exhibit Description	Form	File Number	Date of First Filing	Exhibit Number	Filed Herewith
<u>10.30</u>	Third Amendment to Lease, dated as of August 3, 2018, by and between the Company and Capital Partners Industrial Fund I, LLLP	10-Q	001-35312	November 7, 2018	10.2	
10.01	Founds Among descent to Tables added					
<u>10.31</u>	Fourth Amendment to Lease, dated as of November 18, 2021, by and between the Company and Capital Partners Industrial Fund I, LLLP	8-K	01-35312	November 23, 2021	10.1	
10.22						
<u>10.32</u>	Warrant Agency Agreement between the Company and American Stock Transfer & Trust Company, LLC dated April 24, 2017	8-K	001-35312	April 25, 2017	10.1	
<u>10.33</u>	Form of Warrant Reprice Agreement	8-K	001-35312	June 29, 2018	10.1	
10.04	T .T A					
<u>10.34</u>	Warrant Agency Agreement, dated as of March 12, 2019, between the Company and American Stock Transfer & Trust Company, LLC	8-K	001-35312	March 13, 2019	4.2	
<u>10.35</u>	Underwriting Agreement, dated as of March 8, 2019, by and between the Company and Ladenburg Thalmann & Co. Inc.	8-K	001-35312	March 13, 2019	1.1	
<u>10.36</u>	Form of Employee Proprietary Information, Inventions Assignment and Non-Competition Agreement for the Company's employees, including executive officers†	10-Q	001-35312	May, 9, 2019	10.3	
<u>10.37</u>	Offer Letter, by and between the Company and Nestor Jaramillo, dated April 12, 2019†	10-Q	001-35312	May 9, 2019	10.5	
<u>10.38</u>	Placement Agency Agreement, dated as of October 23, 2019, by and between the Company and Ladenburg Thalmann & Co. Inc.	8-K	001-35312	October 23, 2019	1.1	
<u>10.39</u>	Form of Securities Purchase					
	Agreement, dated as of October 23, 2019, by and among the Company and the purchasers identified on the signature pages thereto	8-K	001-35312	October 23, 2019	10.1	
			001 00012	200001 20, 2010	1011	

		Incorporated By Reference				
Exhibit Number	Exhibit Description	Form	File Number	Date of First Filing	Exhibit Number	Filed Herewith
<u>10.40</u>	Placement Agency Agreement, dated as of November 4, 2019, by and between the Company and Ladenburg Thalmann & Co. Inc.	8-K	001-35312	November 4, 2019	1.1	
10.44						
<u>10.41</u>	Form of Securities Purchase Agreement, dated as of November 4, 2019, by and among the Company and the purchasers identified on the signature pages thereto	8-K	001-35312	November 4, 2019	10.1	
<u>10.42</u>	Underwriting Agreement dated as of January 24, 2020, by and between the Company and Ladenburg Thalmann & Co. Inc.	8-K	001-35312	January 29, 2020	1.1	
<u>10.43</u>	Warrant Agency Agreement, dated as of January 28, 2020, between the Company and American Stock Transfer & Trust Company, LLC	8-K	001-35312	January 29, 2020	4.2	
<u>10.44</u>	Placement Agency Agreement, dated					
	as of March 19, 2020, by and between the Company and Ladenburg Thalmann & Co. Inc.	8-K	001-35312	March 20, 2020	1.1	
<u>10.45</u>	Form of Securities Purchase Agreement, dated as of March 19, 2020, by and among the Company and the purchasers identified on the signature pages thereto	8-K	001-35312	March 20, 2020	10.1	
<u>10.46</u>	Placement Agency Agreement, dated as of March 30, 2020, by and between the Company and	0.17	001 25212	M. 1. 20. 2020	1 1	
	Ladenburg Thalmann & Co. Inc.	8-K	001-35312	March 30, 2020	1.1	
<u>10.47</u>	Form of Securities Purchase Agreement, dated as of March 30, 2020, by and among the Company and the purchasers identified on the signature pages thereto	8-K	001-35312	March 30, 2020	10.1	
	organitate pageo alefeto	5 11	501 55512		10.1	
<u>10.48</u>	Form of Securities Purchase Agreement, dated as of May 1, 2020, by and among the Company and the purchasers identified on the signature pagers thereto	8-K	001-35312	May 4, 2020	10.1	
	μαβεις πιειειο	0-1	001-33312	widy 4, 2020	10.1	

		Incorporated By Reference				
Exhibit Number	Exhibit Description	Form	File Number	Date of First Filing	- Exhibit Number	Filed Herewith
<u>10.49</u>	Underwriting Agreement, dated as of August 19, 2020, by and between the Company and Ladenburg Thalman & Co. Inc.	8-K	0001-35312	August 21, 2020	1.1	
<u>10.50</u>	Warrant Agency Agreement, dated as of August 21, 2020, between the Company and American Stock Transfer & Trust Company, LLC	8-K	001-35312	August 21, 2020	4.2	
<u>10.51</u>	Executive Employment Agreement, dated January 16, 2021, by and between the Company and Nestor Jaramillo, Jr.†	8-K	001-35312	January 19, 2021	10.1	
<u>10.52</u>	Executive Employment Agreement, dated January 16, 2021, by and between the Company and John L. Erb†	8-K	001-35312	January 19, 2021	10.2	
<u>10.53</u>	Offer Letter by and between the Company and George Montague, effective as of June 28, 2021†	8-K	001-35312	June 22, 2021	10.1	
<u>10.54</u>	Offer letter by and between the Company and Neil P. Ayotte, effective as of June 7, 2021†	10-Q	001-35312	August 12, 2021	10.4	
<u>10.55</u>	Offer Letter by and between the Company and Lynn Blake, effective as of October 19, 2022†	8-K	001-35312	October 5, 2022	10.1	
<u>10.56</u>	First Amendment to Offer Letter between the Company and Lynn Blake†	8-K	001-35312	December 9, 2022	10.1	
<u>10.57</u>	Underwriting Agreement dated September 15, 2021, between the Company and Ladenburg Thalmann & Co. Inc., as the Representative of the several underwriters named in Schedule I thereto	8-K	001-35312	September 17, 2021	1.1	
<u>10.58</u>	Warrant Agency Agreement, dated as of October 18, 2022, between the Company and American Stock Transfer & Trust Company, LLC	8-K	001-35312	October 18, 2022	4.2	
<u>10.59</u>	Leak-Out Agreement	S-1/A	333-267368	September 30, 2022	10.70	

		Incorporated By Reference				
Exhibit Number	Exhibit Description	Form	File Number	Date of First Filing	Exhibit Number	Filed Herewith
<u>10.60</u>	Underwriting Agreement dated as of October 14, 2022, by and between Nuwellis, Inc. and Ladenburg Thalmann & Co. Inc.	8-K	001-35312	October 18, 2022	1.1	
<u>10.61</u>	License and Distribution Agreement with SeaStar Medical Holding Corporation, dated as of December 27, 2022+	10-K	001-35312	March 3, 2023	10.63	
<u>10.62</u>	Supply and Collaboration Agreement dated as of June 19, 2023 by and between the Company and DaVita Inc. +	8-K	001-35312	June 21, 2023	10.1	
<u>10.63</u>	Registration Rights Agreement dated as of June 19, 2023 by and between the Company and DaVita Inc.	8-K	001-35312	June 21, 2023	10.2	
<u>10.64</u>	Transition Agreement, by and between Lynn Blake and the Company, dated as of August 4, 2023	8-K	001-35312	August 8, 2023	10.1	
<u>10.65</u>	Consulting Agreement, by and between Lynn Blake and the Company, dated as of August 4, 2023	8-K	001-35312	August 8, 2023	10.2	
<u>10.66</u>	Offer Letter, by and between Robert B. Scott and the Company, effective as of September 2, 2023	8-K	001-35312	August 18, 2023	10.1	
<u>10.67</u>	At The Market Offering Agreement, dated as of March 3, 2023, by and between the Company and Ladenburg Thalmann & Co. Inc.	10-К	001-35312	March 3, 2023	1.1	
<u>10.68</u>	Form of Warrant Agency Agreement					Х
<u>10.69</u>	Form of Securities Purchase Agreement to be entered into in this Offering					X
<u>21.1</u>	List of Subsidiaries	10-K	001-35312	March 3, 2023	21	
<u>23.1</u>	Consent of Baker Tilly US, LLP					Х
<u>23.2</u>	Consent of Honigman LLP					(included in Exhibit 5.1)

Exhibit Number	Exhibit Description	Form	File Number	Date of First Filing	Exhibit Number	Filed Herewith
<u>24.1</u>	Power of Attorney	S-1	333-274610	September 21, 2023	24.1	
<u>107</u>	Filing Fee Table					Х

[†] Indicates management compensatory plan, contract or arrangement.

(b) Financial Statement Schedules

All financial statement schedules are omitted because the information required to be set forth therein is not applicable or is included in the consolidated financial statements or related notes incorporated herein by reference.

Item 17. Undertakings.

- (1) The undersigned registrant hereby undertakes:
 - a. That, for the purpose of determining any liability under the Securities Act of 1933, each such posteffective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.
 - b. To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.
 - c. For purposes of determining any liability under the Securities Act of 1933, the information omitted from the form of prospectus filed as part of this registration statement in reliance upon Rule 430A and contained in a form of prospectus filed by the registrant pursuant to Rule 424(b) (1) or (4) or 497(h) under the Securities Act shall be deemed to be part of this registration statement as of the time it was declared effective.

For the purpose of determining any liability under the Securities Act of 1933, each post-effective amendment that contains a form of prospectus shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

d. That, for the purpose of determining liability of the registrant under the Securities Act of 1933 to any purchaser in the initial distribution of the securities:

The undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

- (i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;
- (ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;
- (iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and

II-12

Certain schedules and exhibits have been omitted pursuant to Item 601(a)(5) of Regulation S-K. A copy of any omitted schedule and/or exhibit will be furnished to the SEC upon request. Certain portions of the License and Distribution Agreement, Warrant, and the Supply and Collaboration Agreement have been redacted pursuant to Item 601(a)(6) and 601(b)(10)(iv) of Regulation S-K because the Company customarily and actually treats the redacted information as private or confidential and the omitted information is not material. Copies of the unredacted License and Distribution Agreement, Warrant, and Supply and Collaboration Agreement will be furnished to the SEC upon request.

- (iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.
- (2) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.
- (3) The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to section 13(a) or section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

II-13

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Eden Prairie, State of Minnesota, on this 29th day of September.

NUWELLIS, INC.

By: /s/ Nestor Jaramillo, Jr.

Nestor Jaramillo, Jr.

Chief Executive Officer

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

Signature		Title	Date		
*		Chairman of the Board	September 29, 2023		
	John L. Erb				
	*	President, Chief Executive Officer and Director	September 29, 2023		
	Nestor Jaramillo, Jr.	(principal executive officer)			
	*	Chief Financial Officer (principal financial officer	September 29, 2023		
	Robert B. Scott	and principal accounting officer)			
*		Director	September 29, 2023		
Ma	ria Rosa Costanzo, M.D.				
	*	Director	September 29, 2023		
	Michael McCormick				
*		Director	September 29, 2023		
	Jon W. Salveson				
	*	Director	September 29, 2023		
	Gregory Waller				
*By:	/s/ Nestor Jaramillo, Jr.				
	Nestor Jaramillo, Jr.				
	Attorney-in-fact				
		II-14			

PLACEMENT AGENCY AGREEMENT

Dear Mr. Jaramillo:

This letter agreement (the "<u>Agreement</u>") constitutes the agreement between Lake Street Capital Markets, LLC and Maxim Group LLC, as placement agents (each a "<u>Placement Agent</u>" and, collectively, the "<u>Placement Agents</u>") and Nuwellis, Inc., a Delaware corporation (together with its subsidiaries, the "<u>Company</u>"), that Placement Agents shall serve as exclusive placement agents for the Company, on a "reasonable best efforts" basis, for the proposed placement to certain purchasers (the "<u>Purchasers</u>") of up to an aggregate of [__] units (each a "<u>Unit</u>" and collectively, the "<u>Units</u>"), with each Unit consisting of (A) one share (each a "<u>Share</u>" and collectively, the "<u>Shares</u>") of the Company's Series J Convertible Redeemable Preferred Stock, par value \$0.0001 per share (the "<u>Series J Preferred Stock</u>"), (B) one warrant (each a "<u>Warrant</u>" and collectively, the "<u>Warrants</u>") to purchase [one-half of one] share of the Series J Preferred Stock. The Units and the securities included therein (i.e., the Shares, the Warrants, the Warrant Shares, the shares of Series J Preferred Stock which may be issued as dividends on the Series J Preferred Stock and shares of common stock of the Company, par value \$0.0001 per share ("<u>Common Stock</u>")) underlying the Series J Preferred Stock are referred to herein as the "<u>Securities</u>." The documents executed and delivered by the Company and the Purchasers in connection with the Offering (as defined below), including, without limitation, a securities purchase agreement (the "<u>Purchase Agreement</u>"), shall be collectively referred to herein as the "<u>Transaction Documents</u>." The purchase price to the Purchasers for each Unit is \$[__]. The Placement Agents may retain other brokers or dealers to act as sub-agents or selected-dealers on its behalf in connection with the Offering.

Notwithstanding anything herein to the contrary, in the event that the Placement Agents determine that any of the terms provided for hereunder do not comply with a rule of the Financial Industry Regulatory Authority ("<u>FINRA</u>"), including but not limited to FINRA Rule 5110, then the Company shall agree to amend this Agreement in writing upon the request of the Placement Agents to comply with any such rules; provided that any such amendments shall not provide for terms that are less favorable to the Company than the terms of this Agreement.

Section 1. Agreement to Act as Placement Agents.

(a) On the basis of the representations, warranties and agreements of the Company herein contained, and subject to all the terms and conditions of this Agreement, the Placement Agents shall be the exclusive placement agents in connection with the offering and sale by the Company of the Securities pursuant to the Company's registration statement on Form S-1 (File No. 333-274610) (and including any registration statement prepared and filed by the Company in accordance with Rule 462(b) pursuant to the Securities Act) (the "Registration Statement"), with the terms of such offering (the "Offering") to be subject to market conditions and negotiations between the Company, the Placement Agents and the prospective Purchasers. The Placement Agents will act on a reasonable best efforts basis and the Company agrees and acknowledges that there is no guarantee of the successful placement of the Securities, or any portion thereof, in the prospective Offering. Under no circumstances will the Placement Agents or any of their "Affiliates" (as defined below) be obligated to underwrite or purchase any of the Securities for its own account or otherwise provide any financing. The Placement Agents shall act solely as the Company's agent and not as principal. The Placement Agents shall have no authority to bind the Company with respect to any prospective offer to purchase the Securities and the Company shall have the sole right to accept offers to purchase the Securities and may reject any such offer, in whole or in part. Subject to the terms and conditions hereof, payment of the purchase price for, and delivery of, the Securities shall be made at the closing (the "Closing" and the date on which the Closing occurs, the "Closing Date"). The Closing shall occur via "Delivery Versus Payment"/"Receipt Versus Payment", i.e., on the Closing Date, the Company shall issue the Shares directly to the account designated by the Placement Agents and, upon receipt of such Shares, the Placement Agents shall electronically deliver such Shares to the applicable Purchaser and payment shall be made by the Placement Agents (or their clearing firm) by wire transfer to the Company, and delivery of the Warrants shall be delivered via The Depository Trust Company Deposit or Withdrawal at Custodian system for the account of the applicable Purchaser as set forth in the Purchase Agreement. As compensation for services rendered, the Company shall pay to the Placement Agents the fees and expenses set forth below:

[__], 2023

- (i) a cash fee equal to eight percent (8.0%) of the gross proceeds received by the Company from the sale of the Units at the Closing; and
- (ii) subject to compliance with FINRA Rule 5110(f)(2)(D), the Company also agrees to reimburse the Placement Agents for all travel and other out-of-pocket expenses, including the reasonable fees, costs and disbursements of its legal counsel, in an amount not to exceed an aggregate of \$100,000.00. The Company will reimburse the Placement Agents directly out of the Closing of the Placement. In the event the Offering is terminated, the Placement Agents will only be entitled to the reimbursement of out-of-pocket accountable expenses actually incurred in accordance with FINRA Rule 5110(f)(2)(C).

The Placement Agents reserve the right to reduce any item of compensation or adjust the terms thereof as specified herein in the event that a determination shall be made by FINRA to the effect that the Placement Agents' aggregate compensation is in excess of FINRA Rules or that the terms thereof require adjustment.

(b) The Placement Agents' engagement hereunder shall become effective on the date hereof and shall continue until the earlier of (i) the Closing Date and (ii) March 6, 2024 (the "<u>Termination Date</u>"). Notwithstanding anything to the contrary contained herein, the provisions concerning confidentiality, indemnification and contribution contained herein and the Company's obligations contained in the indemnification provisions will survive any expiration or termination of this Agreement, and the Company's obligation to pay fees actually earned and payable and to reimburse expenses actually incurred and reimbursable pursuant to <u>Section 1</u> hereof and which are permitted to be reimbursed under the FINRA Rules, will survive any expiration or termination of this Agreement. All such fees and reimbursements due shall be paid to the Placement Agents on or before the Termination Date (in the event such fees and reimbursements are earned or owed as of the Termination Date) or upon the closing of the Offering or any applicable portion thereof (in the event such fees are due pursuant to the terms of <u>Section 1</u> hereof).

(c) Nothing in this Agreement shall be construed to limit the ability of the Placement Agents or their Affiliates to pursue, investigate, analyze, invest in, or engage in investment banking, financial advisory or any other business relationship with Persons (as defined below) other than the Company. As used herein (i) "Persons" means an individual or corporation, partnership, trust, incorporated or unincorporated association, joint venture, limited liability company, joint stock company, government (or an agency or subdivision thereof) or other entity of any kind and (ii) "Affiliate" means any Person that, directly or indirectly through one or more intermediaries, controls or is controlled by or is under common control with a Person as such terms are used in and construed under Rule 405 under the Securities Act of 1933, as amended (the "Securities Act").

Section 2. Representations, Warranties and Covenants of the Company. The Company hereby represents, warrants and covenants to the Placement Agents as of the date hereof, and as of the Closing Date, unless such representation, warranty or agreement specifies a different date or time, as follows:

(a) Securities Law Filings. The Company has filed with the Securities and Exchange Commission (the "Commission") the Registration Statement under the Securities Act, which was filed on September 21, 2023, as amended on [__], 2023, and declared effective on [__], 2023 for the registration of the Securities under the Securities Act. Following the determination of pricing among the Company and the prospective Purchasers introduced to the Company by Placement Agents, the Company will file with the Commission pursuant to Rules 430A and 424(b) under the Securities Act, and the rules and regulations (the "Rules and Regulations") of the Commission promulgated thereunder, a final prospectus relating to the placement of the Securities, their respective pricings and the plan of distribution thereof and will advise the Placement Agents of all further information (financial and other) with respect to the Company required to be set forth therein. Such registration statement, at any given time, including the exhibits thereto filed at such time, as amended at such time, is hereinafter called the "Registration Statement"; such prospectus in the form in which it appears in the Registration Statement at the time of effectiveness, is hereinafter called the "Preliminary Prospectus"; and the final prospectus, in the form in which it will be filed with the Commission pursuant to Rules 430A and/or 424(b) (including the Preliminary Prospectus as it may be amended or supplemented) is hereinafter called the "Final Prospectus." The Registration Statement at the time it originally became effective is hereinafter called the "Original Registration Statement." Any reference in this Agreement to the Registration Statement, the Original Registration Statement, the Preliminary Prospectus or the Final Prospectus shall be deemed to refer to and include the documents incorporated by reference therein (the "Incorporated Documents"), if any, which were or are filed under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), at any given time, as the case may be; and any reference in this Agreement to the terms "amend," "amendment" or "supplement" with respect to the Registration Statement, the Original Registration Statement, the Preliminary Prospectus or the Final Prospectus shall be deemed to refer to and include the filing of any document under the Exchange Act after the date of this Agreement, or the issue date of the Preliminary Prospectus or the Final Prospectus, as the case may be, deemed to be incorporated therein by reference. All references in this Agreement to financial statements and schedules and other information which is "contained," "included," "described," "referenced," "set forth" or "stated" in the Registration Statement, the Preliminary Prospectus or the Final Prospectus (and all other references of like import) shall be deemed to mean and include all such financial statements and schedules and other information which is or is deemed to be incorporated by reference in the Registration Statement, the Preliminary Prospectus or the Final Prospectus, as the case may be. As used in this paragraph and elsewhere in this Agreement, "Time of Sale Disclosure Package" means the Preliminary Prospectus, the Transaction Documents, the final terms of the Offering provided to the Purchasers (orally or in writing), and any issuer free writing prospectus as defined in Rule 433 under the Securities Act (each, an "Issuer Free Writing Prospectus"), if any, that the parties hereto shall hereafter expressly agree in writing to treat as part of the Time of Sale Disclosure Package. The term "any Prospectus" shall mean, as the context requires, the Preliminary Prospectus, the Final Prospectus and any supplement to either. The Company has not received any notice that the Commission has issued or intends to issue a stop order suspending the effectiveness of the Registration Statement or the use of the Preliminary Prospectus or the Final Prospectus or intends to commence a proceeding for any such purpose.

(b) <u>Assurances</u>. The Original Registration Statement, as amended (and any further documents to be filed with the Commission) contains all exhibits and schedules as required by the Securities Act. Each of the Registration Statement and any post-effective amendment thereto, at the time it became effective, complied in all material respects with the Securities Act and the applicable Rules and Regulations and did not contain any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading. The Final Prospectus, as of its date, complied or will comply in all material respects with the Securities Act and the applicable Rules and Regulations. The Final Prospectus, as amended or supplemented, did not and will not contain as of the date thereof any untrue statement of a material fact or omit to state a material fact or omit to state a material reflecting any facts or events arising after the date thereof which represent, individually or in the aggregate, a fundamental change in the information set forth therein is required to be filed with the Commission. Except for this Agreement and the Transaction Documents, there are no documents required to be filed within the requisite time period under the Rules and Regulations. Except for this Agreement and the Transaction Documents, there are no contracts or other documents required to be described in the Final Prospectus, or to be filed as exhibits or schedules to the Registration Statement, which have not been described or filed as required. The foregoing shall not apply to statements in, or omissions from, any such document made in reliance upon, and in conformity with, information furnished to the Company by the Placement Agents specifically for use in the preparation thereof.

(c) <u>Offering Materials</u>. Neither the Company nor any of its directors and officers has distributed and none of them will distribute, prior to the Closing Date, any offering material in connection with the offering and sale of the Securities other than the Time of Sale Disclosure Package.

(d) <u>Authorization; Enforcement</u>. The Company has full legal right, power and authority to enter into this Agreement and perform the transactions contemplated hereby. This Agreement has been duly executed by the Company and, when delivered in accordance with the terms hereof, will constitute the valid and binding obligation of the Company enforceable against the Company in accordance with its terms, except (i) as limited by general equitable principles and applicable bankruptcy, insolvency, reorganization, moratorium and other laws of general application affecting enforcement of creditors' rights generally, (ii) as limited by laws relating to the availability of specific performance, injunctive relief or other equitable remedies and (iii) insofar as indemnification and contribution provisions may be limited by applicable law.

(e) <u>No Conflicts</u>. The execution, delivery and performance by the Company of this Agreement, the Transaction Documents and the transactions contemplated pursuant to the Time of Sale Disclosure Package, the issuance and sale of the Securities and the consummation by it of the transactions contemplated hereby and thereby to which it is a party do not and will not (i) conflict with or violate any provision of the Company's, or any of its subsidiaries', certificate or articles of incorporation, bylaws or other organizational or charter documents, (ii) conflict with, or constitute a default (or an event that with notice or lapse of time or both would become a default) under, result in the creation of any lien, charge, pledge, security interest, encumbrance, right of first refusal, preemptive right or other restriction upon any of the properties or assets of the Company, or give to others any rights of termination, amendment, acceleration or cancellation (with or without notice, lapse of time or both) of, any agreement, credit facility, debt or other instrument (evidencing a debt or otherwise) or other understanding to which the Company is a party or by which any property or asset of the Company is bound or affected, or (iii) subject to any required approvals, conflict with or result in a violation of any law, rule, regulation, order, judgment, injunction, decree or other restriction of any court or governmental authority to which the Company is subject (including federal and state securities laws and regulations), or by which any property or asset of the Company is bound or affected; except in the case of each of clauses (ii) and (iii), such as would not reasonably be expected to result in a material adverse effect on: (x) the legality, validity or enforceability of any Transaction Document; (y) the results of operations, assets, business, or condition (financial or otherwise) of the Company; or (z) the Company's ability to perform in any material respect on a timely basis its obligations under any Transaction Docu

(f) <u>Reliance</u>. The Company has not relied upon the Placement Agents or legal counsel for the Placement Agents for any legal, tax or accounting advice in connection with the offering and sale of the Securities.

(g) <u>Forward-Looking Statements</u>. No forward-looking statement (within the meaning of Section 27A of the Securities Act and Section 21E of the Exchange Act ("<u>Forward-Looking Statement</u>") contained in the Time of Sale Disclosure Package has been made or reaffirmed without a reasonable basis or has been disclosed other than in good faith.

(h) <u>Certificates</u>. Any certificate signed by any duly authorized officer of the Company and delivered to the Placement Agents or counsel shall be deemed a representation and warranty by the Company to the Purchasers as to the matters covered thereby.

(i) <u>Representations and Warranties Incorporated by Reference</u>. Each of the representations and warranties (together with any related disclosure schedules thereto) made by the Company to the Purchasers in the Purchase Agreement is hereby incorporated herein by reference (as though fully restated herein) and is hereby made to, and in favor of, the Placement Agents.

(j) <u>FINRA Affiliations</u>. There are no affiliations with any FINRA member firm among the Company's officers, directors or, to the knowledge of the Company, any 5.0% or greater stockholder of the Company.

Section 3. Delivery and Payment. The Closing shall occur at the offices of Sullivan & Worcester LLP, located at 1633 Broadway, New York, New York 10019 ("<u>Placement Agent Counsel</u>") (or at such other place as shall be agreed upon by the Placement Agents and the Company, including remotely via electronic transmission). Subject to the terms and conditions hereof and of the Purchase Agreement, at the Closing, payment of the purchase price for the Units sold on the Closing Date shall be made by Federal Funds wire transfer, against delivery of such Units, and such Units shall be registered in such name or names and shall be in such denominations, as the Placement Agents may request at least one business day before the Closing Date. Deliveries of the documents with respect to the purchase of the Units, if any, shall be made at the offices of Placement Agent Counsel. All actions taken at the Closing shall be deemed to have occurred simultaneously.

Section 4. Covenants and Agreements of the Company. The Company further covenants and agrees with the Placement Agents as follows:

(a) <u>Registration Statement Matters</u>. The Company will advise the Placement Agents promptly after it receives notice thereof of the time when any amendment to the Registration Statement has been filed or becomes effective or any supplement to the Final Prospectus has been filed and will furnish the Placement Agents with copies thereof. The Company will file promptly all reports and any definitive proxy or information statements required to be filed by the Company with the Commission pursuant to Section 13(a), 14 or 15(d) of the Exchange Act subsequent to the date of any Prospectus and for so long as the delivery of a prospectus is required in connection with the Offering. The Company will advise the Placement Agents, promptly after it receives notice thereof (i) of any request by the Commission to amend the Registration Statement or to amend or supplement any Prospectus or for additional information, and (ii) of the issuance by the Commission of any stop order suspending the effectiveness of the Registration Statement or any post-effective amendment thereto or any order directed at any Incorporated Document, if any, or any amendment or supplement thereto or any order preventing or suspending the use of the Preliminary Prospectus or the Final Prospectus or any prospectus supplement or any amendment or supplement thereto or any post-effective amendment to the Registration Statement, of the suspension of the qualification of the Securities for offering or sale in any jurisdiction, of the institution or threatened institution of any proceeding for any such purpose, or of any request by the Commission for the amending or supplementing of the Registration Statement or a Prospectus or for additional information. The Company shall use its best efforts to prevent the issuance of any such stop order or prevention or suspension of such use. If the Commission shall enter any such stop order or order or notice of prevention or suspension at any time, the Company will use its best efforts to obtain the lifting of such order at the earliest possible moment, or will file a new registration statement and use its best efforts to have such new registration statement declared effective as soon as practicable. Additionally, the Company agrees that it shall comply with the provisions of Rules 424(b), 430A, 430B and 430C, as applicable, under the Securities Act, including with respect to the timely filing of documents thereunder, and will use its reasonable efforts to confirm that any filings made by the Company under such Rule 424(b) are received in a timely manner by the Commission.

(b) <u>Blue Sky Compliance</u>. The Company will cooperate with the Placement Agents and the Purchasers in endeavoring to qualify the Securities for sale under the securities laws of such jurisdictions (United States and foreign) as the Placement Agents and the Purchasers may reasonably request and will make such applications, file such documents, and furnish such information as may be reasonably required for that purpose, provided the Company shall not be required to qualify as a foreign corporation or to file a general consent to service of process in any jurisdiction where it is not now so qualified or required to file such a consent, and provided further that the Company shall not be required to produce any new disclosure document. The Company will, from time to time, prepare and file such statements, reports and other documents as are or may be required to continue such qualifications in effect for so long a period as the Placement Agents may reasonably request for distribution of the Securities. The Company will advise the Placement Agents promptly of the suspension of the qualification or registration of (or any such exemption relating to) the Securities for offering, sale or trading in any jurisdiction or any initiation or threat of any proceeding for any such purpose, and in the event of the issuance of any order suspending such qualification, registration or exemption, the Company shall use its best efforts to obtain the withdrawal thereof at the earliest possible moment.

(c) <u>Amendments and Supplements to a Prospectus and Other Matters</u>. The Company will comply with the Securities Act and the Exchange Act, and the rules and regulations of the Commission thereunder, so as to permit the completion of the distribution of the Securities as contemplated in this Agreement, the Incorporated Documents and any Prospectus. If during the period in which a prospectus is required by law to be delivered in connection with the distribution of Securities contemplated by the Incorporated Documents or any Prospectus (the "<u>Prospectus Delivery Period</u>"), any event shall occur as a result of which, in the judgment of the Company or in the opinion of the Placement Agents or counsel for the Placement Agents, it becomes necessary to amend or supplement the Incorporated Documents or any Prospectus in order to make the statements therein, in light of the circumstances under which they were made, as the case may be, not misleading, or if it is necessary at any time to amend or supplement the Incorporated Document Agents and to dealers, an appropriate amendment to the Registration Statement, the Incorporated Documents or any Prospectus that is necessary in order to make the statements in the Incorporated Documents or any Prospectus that is necessary in order to make the statements in the Incorporated Documents or any Prospectus that is necessary in order to make the statements in the Incorporated Documents or any Prospectus that is necessary in order to make the statements in the Incorporated Documents or any Prospectus that is necessary in order to make the statements in the Incorporated Documents or any Prospectus as so amended or supplemented, will comply with law. Before amending, or so that the Registration Statement or supplementing the Incorporated Documents or any Prospectus in connection with the Offering, the Company will furnish the Placement Agents with a copy of such proposed amendment or supplement and will not file any such amendment or supplement to which the Placement Agents with a copy

(d) <u>Copies of any Amendments and Supplements to a Prospectus</u>. The Company will furnish the Placement Agents, without charge, during the period beginning on the date hereof and ending on the Closing Date, as many copies of any Prospectus or prospectus supplement and any amendments and supplements thereto, as the Placement Agents may reasonably request.

(e) <u>Free Writing Prospectus</u>. The Company covenants that it will not, unless it obtains the prior written consent of the Placement Agents, make any offer relating to the Securities that would constitute an Issuer Free Writing Prospectus or that would otherwise constitute a "<u>free writing prospectus</u>" (as defined in Rule 405 of the Securities Act) required to be filed by the Company with the Commission or retained by the Company under Rule 433 of the Securities Act. In the event that the Placement Agents expressly consent in writing to any such free writing prospectus (a "<u>Permitted Free Writing Prospectus</u>"), the Company covenants that it shall (i) treat each Permitted Free Writing Prospectus as an Issuer Free Writing Prospectus, and (ii) comply with the requirements of Rule 164 and 433 of the Securities Act applicable to such Permitted Free Writing Prospectus, including in respect of timely filing with the Commission, legending and record keeping.

(f) <u>Transfer Agent</u>. The Company will maintain, at its expense, a registrar and transfer agent for the Common Stock for at least three years after the Closing Date.

(g) <u>Earnings Statement</u>. As soon as practicable and in accordance with applicable requirements under the Securities Act, but in any event not later than 18 months after the Closing Date, the Company will make generally available to its security holders and to the Placement Agents an earnings statement, covering a period of at least 12 consecutive months beginning after the Closing Date, that satisfies the provisions of Section 11(a) and Rule 158 under the Securities Act.

(h) <u>Periodic Reporting Obligations</u>. During the Prospectus Delivery Period, the Company will use its reasonable efforts to duly file, on a timely basis, with the Commission and the market or exchange on which the Common Stock is listed or quoted for trading (the "<u>Trading Market</u>") all reports and documents required to be filed under the Exchange Act within the time periods and in the manner required by the Exchange Act.

(i) Reserved.

(j) <u>No Manipulation of Price</u>. The Company will not take, directly or indirectly, any action designed to cause or result in, or that has constituted or might reasonably be expected to constitute, the stabilization or manipulation of the price of any securities of the Company.

(k) <u>Acknowledgment</u>. The Company acknowledges that any advice given by the Placement Agents to the Company is solely for the benefit and use of the Board of Directors of the Company and may not be used, reproduced, disseminated, quoted or referred to, without the Placement Agents' prior written consent.

(1) <u>Publicity</u>. The Company acknowledges and agrees that the Placement Agents may, subsequent to the Closing, make public their involvement with the Offering. The Company agrees that, until 25 days after the final Closing Date, it will not issue press releases or engage in any other publicity, without the Placement Agents' prior written consent (not to be unreasonably withheld), other than normal and customary releases issued in the ordinary course of the Company's business. Notwithstanding the foregoing, in no event shall the Company be prohibited from issuing any press releases or engaging in any other publicity required by law, except that including the name of the Placement Agents therein shall require the prior written consent of the Placement Agents.

(m) <u>Reliance on Others</u>. The Company confirms that it will rely on its own counsel and accountants for legal and accounting advice.

(n) <u>Research Matters</u>. By entering into this Agreement, the Placement Agents do not provide any promise, either explicitly or implicitly, of favorable or continued research coverage of the Company and the Company hereby acknowledges and agrees that the Placement Agents' selection as placement agents for the Offering was in no way conditioned, explicitly or implicitly, on the Placement Agents providing favorable or any research coverage of the Company. In accordance with the FINRA Rules, the parties acknowledge and agree that the Placement Agents have not directly or indirectly offered favorable research, a specific rating or a specific price target, or threatened to change research, a rating or a price target, to the Company or inducement for the receipt of business or compensation.

(o) <u>Trading Market</u>. The Company will use its commercially reasonable best efforts to maintain the listing of its Common Stock on the Trading Market for a period of at least three years after the Closing Date.

(p) <u>Engagement of Professionals</u>. The Company will retain a nationally recognized, PCAOB registered firm of independent certified public accountants reasonably acceptable to the Placement Agents for a period of at least three years after the Closing Date.

(q) Subsequent Equity Sales From the date hereof until ninety (90) days after the Closing Date, without the prior written consent of the Placement Agents, the Company shall not (i) issue, enter into any agreement to issue or announce the issuance or proposed issuance of any shares of Common Stock or Common Stock Equivalents or (ii) file any registration statement or any amendment or supplement thereto, other than the Final Prospectus or a registration statement on Form S-8 in connection with any employee benefit plan (the "Lock-Up Period"). Notwithstanding the foregoing, this Section 4(q) shall not apply in respect of an Exempt Issuance. "Exempt Issuance" means the issuance of (a) the Securities hereunder; (b) shares of Common Stock or options to employees, officers or directors of the Company pursuant to any stock or option plan duly adopted for such purpose, by a majority of the nonemployee members of the Board of Directors or a majority of the members of a committee of non-employee directors established for such purpose for services rendered to the Company; (c) securities upon the exercise or exchange of or conversion of securities exercisable or exchangeable for or convertible into shares of Common Stock issued and outstanding on the date of this Agreement, provided that such securities have not been amended since the date of this Agreement to increase the number of such securities or to decrease the exercise price, exchange price or conversion price of such securities (other than in connection with stock splits or combinations) or to extend the term of such securities and (d) securities issued pursuant to acquisitions or strategic transactions and the payment of contractor invoices in the ordinary course of business approved by a majority of the disinterested directors of the Company, provided that such securities are issued as "restricted securities" (as defined in Rule 144) and carry no registration rights that require or permit the filing of any registration statement in connection therewith during the Lock-Up Period, and provided that any such issuance shall only be to a Person (or to the equityholders of a Person) which is, itself or through its subsidiaries, an operating company or an owner of an asset in a business synergistic with the business of the Company and shall provide to the Company additional benefits in addition to the investment of funds, but shall not include a transaction in which the Company is issuing securities primarily for the purpose of raising capital or to an entity whose primary business is investing in securities.

Section 5. Conditions of the Obligations of the Placement Agents. The obligations of the Placement Agents hereunder shall be subject to the accuracy of the representations and warranties on the part of the Company set forth in <u>Section 2</u> hereof, in each case as of the date hereof and as of the Closing Date as though then made, to the timely performance by each of the Company of its covenants and other obligations hereunder on and as of such dates, and to each of the following additional conditions:

(a) Accountants' Comfort Letters. On the date hereof, the Placement Agents shall have received, and the Company shall have caused to be delivered to the Placement Agents, a cold "comfort letter" and a bring-down "comfort letter" as of the Closing Date, from Baker Tilly US, LLP, the independent registered public accounting firm of the Company, addressed to the Placement Agents, dated as of the Closing Date, in form and substance satisfactory to the Placement Agents. The letter shall not disclose any change in the condition (financial or other), earnings, operations, business or prospects of the Company from that set forth in the Incorporated Documents or the applicable Prospectus or prospectus supplement, which, in the Placement Agents' sole judgment, is material and adverse and that makes it, in the Placement Agents' sole judgment, impracticable or inadvisable to proceed with the Offering of the Securities as contemplated by such Prospectus.

(b) <u>Compliance with Registration Requirements; No Stop Order; No Objection from the FINRA</u>. Each Prospectus shall have been duly filed with the Commission, as appropriate; no stop order suspending the effectiveness of the Registration Statement or any part thereof shall have been issued and no proceeding for that purpose shall have been initiated or, to the knowledge of the Company, threatened by the Commission; no order preventing or suspending the use of any Prospectus shall have been issued and no proceeding for that purpose shall have been issued and no proceeding for that purpose shall have been initiated or, to the knowledge of the Company, threatened by the Commission; no order having the effect of ceasing or suspending the distribution of the Securities or any other securities of the Company shall have been issued by any securities commission, securities regulatory authority or stock exchange and no proceedings for that purpose shall have been instituted or shall be pending or, to the knowledge of the Company, contemplated by any securities regulatory authority or stock exchange; all requests for additional information on the part of the Commission shall have been complied with; and, prior to the date hereof, FINRA shall have raised no objection to the fairness and reasonableness of the placement terms and arrangements.

(c) <u>Corporate Proceedings</u>. All corporate proceedings and other legal matters in connection with this Agreement, the Registration Statement and each Prospectus, and the registration, sale and delivery of the Securities, shall have been completed or resolved in a manner reasonably satisfactory to the Placement Agents' counsel, and such counsel shall have been furnished with such papers and information as it may reasonably have requested to enable such counsel to pass upon the matters referred to in this <u>Section 5</u>.

(d) <u>No Material Adverse Change</u>. Subsequent to the execution and delivery of this Agreement and prior to the Closing Date, in the Placement Agents' sole judgment after consultation with the Company, there shall not have occurred any Material Adverse Effect or any material adverse change or development involving a prospective material adverse change in the condition or the business activities, financial or otherwise, of the Company from the latest dates as of which such condition is set forth in the Registration Statement and Prospectus ("<u>Material Adverse Change</u>").

(e) <u>Opinion of Counsel for the Company</u>. The Placement Agents shall have received on the Closing Date the favorable opinion and negative assurance letter of Honigman LLP, legal counsel to the Company, dated as of the Closing Date, addressed to the Placement Agents and in form and substance satisfactory to the Placement Agents.

(f) <u>Officers' Certificate</u>. The Placement Agents shall have received on the Closing Date a certificate of the Company, dated as of the Closing Date, signed by the Chief Executive Officer and Chief Financial Officer of the Company, to the effect that, and the Placement Agents shall be satisfied that, the signers of such certificate have reviewed the Registration Statement, the Incorporated Documents, the Final Prospectus, the Transaction Documents and this Agreement and to the further effect that:

(i) The representations and warranties of the Company in this Agreement are true and correct in all material respects as if made on and as of the Closing Date, however, that such materiality qualifier shall not be applicable to any representations and warranties that already are qualified or modified by materiality in the text (unless as of a specific date therein in which case they shall be accurate as of such date), and the Company has complied with all the agreements and satisfied all the conditions on its part to be performed or satisfied at or prior to the Closing Date;

(ii) No stop order suspending the effectiveness of the Registration Statement or the use of the Final Prospectus has been issued and no proceedings for that purpose have been instituted or are pending or, to the Company's knowledge, threatened under the Securities Act; no order having the effect of ceasing or suspending the distribution of the Securities or any other securities of the Company has been issued by any securities commission, securities regulatory authority or stock exchange in the United States and no proceedings for that purpose have been instituted or are pending or, to the knowledge of the Company, contemplated by any securities commission, securities regulatory authority or stock exchange in the United States;

(iii) When the Registration Statement became effective, at the time of sale, and at all times subsequent thereto up to the delivery of such certificate, the Registration Statement and the Incorporated Documents, if any, when such documents became effective or were filed with the Commission, and any Prospectus, contained all material information required to be included therein by the Securities Act and the Exchange Act and the applicable rules and regulations of the Commission thereunder, as the case may be, and in all material respects conformed to the requirements of the Securities Act and the Exchange Act and the applicable rules and regulations of the Commission thereunder, as the case may be, and the Registration Statement and the Incorporated Documents, if any, and any Prospectus, did not and do not include any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein, in light of the circumstances under which they were made, not misleading (provided, however, that the preceding representations and warranties contained in this paragraph (iii) shall not apply to any statements or omissions made in reliance upon and in conformity with information furnished in writing to the Company by the Placement Agents expressly for use therein) and, since the effective date of the Registration Statement, there has occurred no event required by the Securities Act and the rules and regulations of the Commission thereunder to be set forth in the Incorporated Documents which has not been so set forth; and



(iv) Subsequent to the respective dates as of which information is given in the Registration Statement, the Incorporated Documents and the Final Prospectus, there has not been: (a) any Material Adverse Change; (b) any transaction that is material to the Company taken as a whole, except transactions entered into in the ordinary course of business; (c) any obligation, direct or contingent, that is material to the Company taken as a whole, incurred by the Company, except obligations incurred in the ordinary course of business; (d) any material change in the capital stock (except changes thereto resulting from the exercise of outstanding stock options or warrants) or outstanding indebtedness of the Company; (e) any dividend or distribution of any kind declared, paid or made on the capital stock of the Company; or (f) any loss or damage (whether or not insured) to the property of the Company which has been sustained or will have been sustained which has a Material Adverse Effect.

(g) <u>Secretary's Certificate</u>. The Placement Agents shall have received on the Closing Date a certificate of the Company, dated as of the Closing Date, signed by the Secretary of the Company, dated as of the date of such Closing, certifying to the organizational documents, good standing in the state of incorporation of the Company and board resolutions relating to the Offering.

(h) <u>Stock Exchange Listing</u>. The Common Stock shall be registered under the Exchange Act and shall be listed on the Trading Market, and the Company shall not have taken any action designed to terminate, or likely to have the effect of terminating, the registration of the Common Stock under the Exchange Act or delisting or suspending from trading the Common Stock from the Trading Market, nor shall the Company have received any information suggesting that the Commission or the Trading Market is contemplating terminating such registration or listing except as disclosed in any Prospectus.

(i) <u>Lock-Up Agreements</u>. On the Closing Date, the Placement Agents shall have received the executed lock-up agreement, in the form attached hereto as <u>Exhibit A</u>, from each of the directors and officers and any holder of 10% or more of the outstanding Common Stock.

(j) <u>Warrant Agency Agreement</u>. On the Closing Date, the Company shall have executed and delivered the duly executed one or more warrant agency agreements by and between the Company, Equiniti Trust Company, LLC, acting as warrant agent.

(k) <u>Warrants</u>. On the Closing Date, the Company shall deliver or shall cause to be delivered the Warrants registered in such name or names and in such denominations as the Placement Agents may request at least one business day before the applicable Closing Date.

(1) <u>Chief Financial Officer Certificate</u>. On the date of this Agreement and on the Closing Date, the Placement Agents shall have received a certificate of Chief Financial Officer addressed to the Placement Agents and in form and substance satisfactory in all respects to the Placement Agents and Placement Agents' counsel.

(m) <u>Additional Documents</u>. On or before each Closing Date, the Placement Agents and counsel for the Placement Agents shall have received such information and documents as they may reasonably require for the purposes of enabling them to pass upon the issuance and sale of the Securities as contemplated herein, or in order to evidence the accuracy of any of the representations and warranties, or the satisfaction of any of the conditions or agreements, herein contained.

If any condition specified in this <u>Section 5</u> is not satisfied when and as required to be satisfied, this Agreement may be terminated by the Placement Agents by notice to the Company at any time on or prior to a Closing Date, which termination shall be without liability on the part of any party to any other party, except that <u>Sections 1(a)</u>, <u>7</u> and <u>8</u> shall at all times be effective and shall survive such termination.

Section 6. Further Agreements.

(a) <u>Other Activities</u>. The Company acknowledges that the Placement Agents have been, and may in the future be, engaged to provide services as an underwriter, placement agent, finder, advisor or investment banker to other companies in the industry in which the Company is involved. The Company acknowledges and agrees that nothing contained in this Agreement shall limit or restrict the right of the Placement Agents or of any member, manager, officer, employee, agent or representative of the Placement Agents, to be a member, manager, partner, officer, director, employee, agent or representative of, investor in, or to engage in, any other business, whether or not of a similar nature to the Company's business, nor to limit or restrict the right of the Placement Agents to render services of any kind to any other corporation, firm, individual or association; provided that the Placement Agents and any of its members, managers, officers, employees, agents or representatives shall not use the Information to the detriment of the Company.

(b) <u>Placement Agent Introductions</u>. Upon Closing of the Offering, or if the Termination Date is prior to the Closing of the Offering (other than a termination for "<u>Cause</u>"), then if within nine (9) months following such time, the Company completes any financing of equity, equity-linked, or debt financing, or any other capital raising activity with, or receives any proceeds from any of the investors contacted and corresponded with or introduced to the Company by the Placement Agents, then the Company will pay the Placement Agents upon the closing of such financing or receipt of proceeds the compensation equivalent to that set forth in Section 1(a) hereof.

Section 7. Indemnification and Contribution.

(a) The Company agrees to indemnify and hold harmless the Placement Agents, their affiliates and each person controlling the Placement Agents (within the meaning of Section 15 of the Securities Act), and the directors, officers, agents and employees of the Placement Agents, their affiliates and each such controlling person (the Placement Agents, and each such entity or person. an "Indemnified Person") from and against any losses, claims, damages, judgments, assessments, costs and other liabilities (collectively, the "Liabilities"), and shall reimburse each Indemnified Person for all fees and reasonable expenses (including the reasonable fees and expenses of one counsel for all Indemnified Persons, except as otherwise expressly provided herein) (collectively, the "Expenses") as they are incurred by an Indemnified Person in investigating, preparing, pursuing or defending any action, suit, inquiry, notice of violation, proceeding or investigation (collectively, an "Action"), whether or not any Indemnified Person is a party thereto, (i) caused by, or arising out of or in connection with, any untrue statement or alleged untrue statement of a material fact contained in the Registration Statement, any Incorporated Document, or any Prospectus or by any omission or alleged omission to state therein a material fact necessary to make the statements therein, in light of the circumstances under which they were made, not misleading (other than untrue statements or alleged untrue statements in, or omissions or alleged omissions from, information relating to an Indemnified Person furnished in writing by or on behalf of such Indemnified Person expressly for use in the Incorporated Documents) or (ii) otherwise arising out of or in connection with advice or services rendered or to be rendered by any Indemnified Person pursuant to this Agreement, the transactions contemplated thereby or any Indemnified Person's actions or inactions in connection with any such advice, services or transactions; provided, however, that, in the case of clause (ii) only, the Company shall not be responsible for any Liabilities or Expenses of any Indemnified Person that are finally judicially determined to have resulted solely from such Indemnified Person's (x) gross negligence or willful misconduct in connection with any of the advice, actions, inactions or services referred to above or (y) use of any offering materials or information concerning the Company in connection with the offer or sale of the Securities in the Offering which were not authorized for such use by the Company and which use constitutes gross negligence or willful misconduct. The Company also agrees to reimburse each Indemnified Person for all Expenses as they are incurred in connection with enforcing such Indemnified Person's rights under this Agreement.

(b) Upon receipt by an Indemnified Person of actual notice of an Action against such Indemnified Person with respect to which indemnity may be sought under this Agreement, such Indemnified Person shall promptly notify the Company in writing; provided that failure by any Indemnified Person so to notify the Company shall not relieve the Company from any liability which the Company may have on account of this indemnity or otherwise to such Indemnified Person, except to the extent the Company shall have been prejudiced by such failure. If the Company so elects or is requested by the Placement Agents, the Company shall assume the defense of any such Action including the employment of counsel reasonably satisfactory to the Placement Agents, which counsel may also be counsel to the Company. The Company and any Indemnified Person shall have the right to employ separate counsel in any such action and participate in the defense thereof, but the fees and expenses of such counsel shall be at the expense of the Company or such Indemnified Person, respectively, unless: (i) the Company has failed promptly to assume the defense and employ counsel or (ii) the named parties to any such Action (including any impeded parties) include such Indemnified Person and the Company, and the Company or such Indemnified Person shall have been advised in the reasonable opinion of counsel that there is an actual conflict of interest that prevents the counsel selected by the Company from representing both the Company (or another client of such counsel) and any Indemnified Person; provided that the Company shall not in such event be responsible hereunder for the fees and expenses of more than one firm of separate counsel for all Indemnified Persons in connection with any Action or related Actions, in addition to any local counsel. The Company shall not be liable for any settlement of any Action effected without its written consent (which shall not be unreasonably withheld). In addition, the Company shall not, without the prior written consent of the Placement Agents (which shall not be unreasonably withheld), settle, compromise or consent to the entry of any judgment in or otherwise seek to terminate any pending or threatened Action in respect of which indemnification or contribution may be sought hereunder (whether or not such Indemnified Person is a party thereto) unless such settlement, compromise, consent or termination includes an unconditional release of each Indemnified Person from all Liabilities arising out of such Action for which indemnification or contribution may be sought hereunder. The indemnification required hereby shall be made by periodic payments of the amount thereof during the course of the investigation or defense, as such expense, loss, damage or liability is incurred and is due and payable.

(c) In the event that the foregoing indemnity is unavailable to an Indemnified Person other than in accordance with this Agreement, the Company shall contribute to the Liabilities and Expenses paid or payable by such Indemnified Person in such proportion as is appropriate to reflect (i) the relative benefits to the Company, on the one hand, and to the Placement Agents and any other Indemnified Person, on the other hand, of the matters contemplated by this Agreement or (ii) if the allocation provided by the immediately preceding clause is not permitted by applicable law, not only such relative benefits but also the relative fault of the Company, on the one hand, and the Placement Agents and any other Indemnified Person, on the other hand, in connection with the matters as to which such Liabilities or Expenses relate, as well as any other relevant equitable considerations; provided that in no event shall the Company contribute less than the amount necessary to ensure that all Indemnified Persons, in the aggregate, are not liable for any Liabilities and Expenses in excess of the amount of fees actually received by the Placement Agents pursuant to this Agreement. For purposes of this paragraph, the relative benefits to the Company, on the one hand, and to the Placement Agents on the other hand, of the matters contemplated by this Agreement shall be deemed to be in the same proportion as (a) the total value paid or contemplated to be paid to or received or contemplated to be received by the Company in the transaction or transactions that are within the scope of this Agreement, whether or not any such transaction is consummated, bears to (b) the fees paid to the Placement Agents under this Agreement. Notwithstanding the above, no person guilty of fraudulent misrepresentation within the meaning of Section 11(f) of the Securities Act, as amended, shall be entitled to contribution from a party who was not guilty of fraudulent misrepresentation.

(d) The Company also agrees that no Indemnified Person shall have any liability (whether direct or indirect, in contract or tort or otherwise) to the Company for or in connection with advice or services rendered or to be rendered by any Indemnified Person pursuant to this Agreement, the transactions contemplated thereby or any Indemnified Person's actions or inactions in connection with any such advice, services or transactions except for Liabilities (and related Expenses) of the Company that are finally judicially determined to have resulted solely from such Indemnified Person's gross negligence or willful misconduct in connection with any such advice, actions, inactions or services.

(e) The reimbursement, indemnity and contribution obligations of the Company set forth herein shall apply to any modification of this Agreement and shall remain in full force and effect regardless of any termination of, or the completion of any Indemnified Person's services under or in connection with, this Agreement.

Section 8. Representations and Indemnities to Survive Delivery. The respective indemnities, agreements, representations, warranties and other statements of the Company or any person controlling the Company, of its officers, and of the Placement Agents set forth in or made pursuant to this Agreement will remain in full force and effect, regardless of any investigation made by or on behalf of the Placement Agents, the Company, or any of its or their partners, officers or directors or any controlling person, as the case may be, and will survive delivery of and payment for the Units sold hereunder and any termination of this Agreement. A successor to a Placement Agent, or to the Company, its directors or officers or any person controlling the Company, shall be entitled to the benefits of the indemnity, contribution and reimbursement agreements contained in this Agreement.

Section 9. Notices. All communications hereunder shall be in writing and shall be mailed, hand delivered, e-mailed or telecopied and confirmed to the parties hereto as follows:

If to the Placement Agents:

Lake Street Capital Markets, LLC 920 Second Avenue South, Suite 700 Minneapolis, Minnesota 55402 Attention: Michael Townley, Head of Investment Banking Email: <u>mike.townley@lakestreetcm.com</u>

And

Maxim Group LLC 300 Park Avenue, 16th Floor New York, New York 10022 Attention: Clifford A. Teller Email: cteller@maximgrp.com

With a copy to:

Sullivan & Worcester LLP 1633 Broadway New York, New York 10019 Attention: David Danovitch, Esq. Email: <u>ddanovitch@sullivanlaw.com</u>

If to the Company:

Nuwellis, Inc. 12988 Valley View Road Eden Prairie, Minnesota 55344 Attention: Nestor Jaramillo, Jr., Chief Executive Officer Email: <u>Nestor.Jaramillo@nuwellis.com</u>

With a copy to: Honigman, LLP 650 Trade Centre Way, Suite 200 Kalamazoo, Michigan 49002 Attention: Phillip D. Torrence Email: <u>PTorrence@honigman.com</u>

Any party hereto may change the address for receipt of communications by giving written notice to the others.

Section 10. Successors. This Agreement will inure to the benefit of and be binding upon the parties hereto, and to the benefit of the employees, officers and directors and controlling persons referred to in <u>Section 7</u> hereof, and to their respective successors, and personal representative, and no other person will have any right or obligation hereunder.

Section 11. Partial Unenforceability. The invalidity or unenforceability of any section, paragraph or provision of this Agreement shall not affect the validity or enforceability of any other section, paragraph or provision hereof. If any section, paragraph or provision of this Agreement is for any reason determined to be invalid or unenforceable, there shall be deemed to be made such minor changes (and only such minor changes) as are necessary to make it valid and enforceable.

Section 12. Governing Law Provisions. This Agreement shall be deemed to have been made and delivered in New York City and both this Agreement and the transactions contemplated hereby shall be governed as to validity, interpretation, construction, effect and in all other respects by the internal laws of the State of New York, without regard to the conflict of laws principles thereof. Each of the Placement Agents and the Company: (i) agrees that any legal suit, action or proceeding arising out of or relating to this Agreement and/or the transactions contemplated hereby shall be instituted exclusively in the New York Supreme Court, County of New York, or in the United States District Court for the Southern District of New York (ii) waives any objection which it may have or hereafter to the venue of any such suit, action or proceeding, and (iii) irrevocably consents to the jurisdiction of the New York Supreme Court, County of New York, or in the United States District Court for the Southern District of New York in any such suit, action or proceeding. Each of the Placement Agents and the Company further agrees to accept and acknowledge service of any and all process which may be served in any such suit, action or proceeding in the New York Supreme Court, County of New York, or in the United States District Court for the Southern District of New York and agrees that service of process upon the Company mailed by certified mail to the Company's address shall be deemed in every respect effective service of process upon the Company, in any such suit, action or proceeding, and service of process upon the Placement Agents mailed by certified mail to the Placement Agents' addresses shall be deemed in every respect effective service process upon the Placement Agents, in any such suit, action or proceeding. Notwithstanding any provision of this Agreement to the contrary, the Company agrees that neither the Placement Agents nor their affiliates, and the respective officers, directors, employees, agents and representatives of the Placement Agents, their affiliates and each other person, if any, controlling the Placement Agents or any of their affiliates, shall have any liability (whether direct or indirect, in contract or tort or otherwise) to the Company for or in connection with the engagement and transaction described herein except for any such liability for losses, claims, damages or liabilities incurred by us that are finally judicially determined to have resulted from the willful misconduct or gross negligence of such individuals or entities. If either party shall commence an action or proceeding to enforce any provision of this Agreement, then the prevailing party in such action or proceeding shall be reimbursed by the other party for its reasonable attorney's fees and other costs and expenses incurred with the investigation, preparation and prosecution of such action or proceeding.

Section 13. General Provisions.

(a) This Agreement constitutes the entire agreement of the parties to this Agreement and supersedes all prior written or oral and all contemporaneous oral agreements, understandings and negotiations with respect to the subject matter hereof. Notwithstanding anything to the contrary contained herein, the terms of the letter of engagement between the parties dated September 7, 2023, shall continue to be effective pursuant to the terms thereof.

(b) This Agreement may be executed in two or more counterparts, each one of which shall be an original, with the same effect as if the signatures thereto and hereto were upon the same instrument. This Agreement may not be amended or modified unless in writing by all of the parties hereto, and no condition herein (express or implied) may be waived unless waived in writing by each party whom the condition is meant to benefit. Section headings herein are for the convenience of the parties only and shall not affect the construction or interpretation of this Agreement.

(c) The Company acknowledges that in connection with the offering of the Securities: (i) the Placement Agents have acted at arm's length, are not agents of, and owe no fiduciary duties to the Company or any other person, (ii) the Placement Agents owes the Company only those duties and obligations set forth in this Agreement and (iii) the Placement Agents may have interests that differ from those of the Company. The Company waives to the full extent permitted by applicable law any claims it may have against the Placement Agents arising from an alleged breach of fiduciary duty in connection with the offering of the Securities.

Section 14. Right of First Refusal. The Company grants the Placement Agents (or any affiliate designated by the Placement Agents) the right to provide investment banking services to the Company on an exclusive basis in all matters involving the Company's equity securities or other instruments that may at any time be convertible into, exchangeable for, or otherwise entitle the holder thereof to receive, directly or indirectly, equity securities of the Company, for which investment banking services are sought by the Company (the "Right of First Refusal"), for the period commencing on the date hereof and ending on the 6-month anniversary of the Closing Date. If the Placement Agents or their affiliate decide to accept any such engagement, the agreement governing such engagement will contain, among other things, provisions for customary fees for transactions of similar size and nature and the provisions of this Agreement, including indemnification, which are appropriate to such a transaction. For these purposes, investment banking services shall include, without limitation, (i) acting as lead, book-running manager for any underwritten public offering; and (ii) acting as exclusive placement agent or financial advisor in connection with any private offering of securities of the Company; provided that (ii) shall not include private placements solely to investors in the Company prior to this Agreement. The Placement Agents shall notify the Company of its intention to exercise the Right of First Refusal within 5 business days following receipt of a written notice by the Company to the Placement Agents that it is considering any of the above transactions. Any decision by the Placement Agents to act in any such capacity shall be contained in separate agreements, which agreements would contain, among other matters, provisions for customary fees for transactions of similar size and nature, as may be mutually agreed upon, and indemnification of the Placement Agents and its affiliates and shall be subject to general market conditions. If the Placement Agents decline to exercise the Right of First Refusal (which they may do in its sole and absolute discretion), the Company shall have the right to retain any other persons to provide such services on terms and conditions which are not materially more favorable to such other person or persons than the terms declined by the Placement Agents. For purposes of clarity, the foregoing Right of First Refusal shall not apply to any sale of equity securities to DaVita, Inc., a Delaware corporation (or any of its affiliates). Notwithstanding the foregoing, in accordance with FINRA Rule 5110(g)(6)(a), in no event will the Right of First Refusal have a duration of more than three (3) years from the commencement of sales in this offering. The Right of First Refusal shall be subject to FINRA Rule 5110(g)(5)(B), including that (i) the Right of First Refusal may be terminated by the Company for "cause", which shall include the material failure by the Placement Agents to provide the services contemplated by this Agreement, and (ii) the Company's exercise of its right of "termination for cause" eliminates any obligations with respect to the payment of any termination fee or provision of any right of first refusal.

Section 15. Fee Tail. The Placement Agents shall be entitled to the cash fees calculated in the manner described in Section 1 hereto with respect to any private or public offering or other financing or capital raising transaction of any kind consummated (each, a "<u>Tail Financing</u>") within six (6) months from the Closing Date with an investor whom the Placement Agents have, directly or indirectly, introduced to the Company during the term of this Agreement.

[The remainder of this page has been intentionally left blank.]

If the foregoing is in accordance with your understanding of our agreement, please sign below whereupon this instrument, along with all counterparts hereof, shall become a binding agreement in accordance with its terms.

Very truly yours,

LAKE STREET CAPITAL MARKETS, LLC

By:

Name: Michael Townley Title: Head of Investment Banking

MAXIM GROUP LLC

By:

Name: Clifford A. Teller Title: Co-President

The foregoing Agreement is hereby confirmed and accepted as of the date first written above.

NUWELLIS, INC.

By:

Name: Nestor Jaramillo, Jr. Title: Chief Executive Officer

[Signature Page to Placement Agency Agreement]

<u>Exhibit A</u>

Form of Lock-Up Agreement

CERTIFICATE OF DESIGNATION OF PREFERENCES, RIGHTS AND LIMITATIONS OF

SERIES J CONVERTIBLE REDEEMABLE PREFERRED STOCK

PURSUANT TO SECTION 151 OF THE DELAWARE GENERAL CORPORATION LAW

The undersigned, Nestor Jaramillo, Jr., does hereby certify that:

1. He is the Chief Executive Officer of Nuwellis, Inc., a Delaware corporation (the "Corporation").

2. The Corporation is authorized to issue 40,000,000 shares of preferred stock, par value \$0.0001 per share, of which 30,000 have been designated as Series A Preferred Stock and 18,000 have been designated as Series F Preferred Stock.

3. The following resolutions were duly adopted by the board of directors of the Corporation (the "Board of Directors"):

WHEREAS, the Certificate of Incorporation of the Corporation (the "<u>Certificate of Incorporation</u>"), provides for a class of its authorized stock known as preferred stock, consisting of 40,000,000 shares, \$0.0001 par value per share, issuable from time to time in one or more series;

WHEREAS, the Board of Directors is authorized by resolution to provide for the issuance of preferred stock in one or more series, and to establish from time to time the number of shares to be included in each such series, and to fix the designation, powers, preferences and rights of the shares of each such series and the qualifications, limitations or restrictions thereof; and

WHEREAS, it is the desire of the Board of Directors, pursuant to its authority as described above, to fix the rights, preferences, restrictions and other matters relating to a series of the preferred stock, which shall consist of [] shares of the preferred stock which the Corporation has the authority to issue.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors does hereby provide for the issuance of a series of preferred stock to be designated "Series J Convertible Redeemable Preferred Stock" and does hereby fix and determine the designation, powers, preferences and rights of the shares of each such series and the qualifications, limitations or restrictions thereof as follows:

Section 1. Definitions. For the purposes hereof, the following terms shall have the following meanings:

"<u>Affiliate</u>" means any Person that, directly or indirectly through one or more intermediaries, controls or is controlled by or is under common control with a Person, as such terms are used in and construed under Rule 405 of the Securities Act.

"Alternate Consideration" shall have the meaning set forth in Section 7(d).

"Attribution Parties" shall have the meaning set forth in Section 6(d).

"Beneficial Ownership Limitation" shall have the meaning set forth in Section 6(d).

"<u>Business Day</u>" means any day except any Saturday, any Sunday, any day which is a federal legal holiday in the United States or any day on which banking institutions in the State of New York are authorized or required by law or other governmental action to close.

"Buy-In" shall have the meaning set forth in Section 6(c)(iv).

"<u>Certificate of Designation</u>" means this Certificate of Designation of Preferences, Rights and Limitations of Series J Convertible Redeemable Preferred Stock.

"Commission" means the United States Securities and Exchange Commission.

"<u>Common Stock</u>" means the Corporation's common stock, \$0.0001 par value per share, and stock of any other class or series of securities into which such securities may hereafter be reclassified as or converted or otherwise changed into shares of the Corporation's common stock, \$0.0001 par value per share.

"<u>Common Stock Equivalents</u>" means any securities of the Corporation or the Subsidiaries which would entitle the holder thereof to acquire at any time Common Stock, including, without limitation, any debt, preferred stock, rights, options, warrants or other instrument that is at any time convertible into or exercisable or exchangeable for, or otherwise entitles the holder thereof to receive, Common Stock.

"Conversion Amount" means the sum of the Stated Value at issue and all accrued and unpaid dividends at issue.

"Conversion Date" shall have the meaning set forth in Section 6(a).

"Conversion Price" shall have the meaning set forth in Section 6(b).

"<u>Conversion Shares</u>" means, collectively, the shares of Common Stock issuable upon conversion of the shares of Series J Preferred Stock in accordance with the terms hereof.

"<u>Convertible Securities</u>" means any stock or other security (other than Options) that is at any time and under any circumstances, directly or indirectly, convertible into, exercisable or exchangeable for, or which otherwise entitles the holder thereof to acquire, any Common Stock.

"Corporation's Mandatory Redemption Price" shall have the meaning set forth in Section 9(a).

"Distribution" shall have the meaning set forth in Section 7(c).

"Dividends" shall have the meaning set forth in Section 3(a).

"Exchange Act" means the Securities Exchange Act of 1934, as amended, and the rules and regulations promulgated thereunder.

"Fundamental Transaction" shall have the meaning set forth in Section 7(d).

"<u>Holder</u>" shall have the meaning given such term in <u>Section 2</u>.

"Liquidation" shall have the meaning set forth in <u>Section 5</u>.

"Mandatory Redemption" shall have the meaning given such term in Section 9(a).

"Mandatory Redemption Date" shall have the meaning given such term in Section 9(a).

"Mandatory Redemption Share Amount" shall have the meaning given such term in Section 9(a).

"Notice of Conversion" shall have the meaning set forth in Section 6(a).

"Options" means any rights, warrants or options to subscribe for or purchase Common Stock or Convertible Securities.

"<u>Original Issue Date</u>" means the initial closing date of the offering of Series J Preferred Stock to be issued and sold to the purchasers pursuant to the Securities Purchase Agreement and/or Registration Statement. For the avoidance of doubt, the issuance of additional shares of Series J Preferred Stock pursuant to the Corporation's obligation to issue the Dividends, the issuance of additional shares of Series J Preferred Stock upon exercise of the Warrants, or otherwise, shall not create a new Original Issue Date with respect to such additional shares of Series J Preferred Stock issued.

"<u>Person</u>" means an individual or corporation, partnership, trust, incorporated or unincorporated association, joint venture, limited liability company, joint stock company, government (or an agency or subdivision thereof) or other entity of any kind.

"Purchase Price" means the purchase price of \$[] for each share of Series J Preferred Stock.

"Purchase Rights" shall have the meaning set forth in Section 7(b).

"<u>Quarterly Dividend Rate</u>" means [] percent ([]%).

"<u>Registration Statement</u>" means the registration statement on Form S-1, as amended, filed with the Commission (File No. 333-274610), including any registration statement prepared and filed by the Company in accordance with Rule 462(b) pursuant to the Securities Act).

"Securities Act" means the Securities Act of 1933, as amended, and the rules and regulations promulgated thereunder.

"<u>Securities Purchase Agreement</u>" means that certain securities purchase agreement, dated [], 2023, among the Company and the purchasers signatory thereto.

"Series J Preferred Stock" shall have the meaning set forth in Section 2.

"Share Delivery Date" shall have the meaning set forth in Section 6(c)(i).

"Standard Settlement Period" shall have the meaning set forth in Section 6(c)(i).

"Stated Value" shall have the meaning set forth in Section 2.

"Subsidiary" means any subsidiary of the Corporation.

"Successor Entity" shall have the meaning set forth in Section 7(d).

"<u>Term</u>" shall mean three (3) years from the Original Issue Date (meaning the Term shall end on [], 2026) unless all the securities are either redeemed or converted into Conversion Shares in accordance with the provisions hereof.

"Trading Day" means, as applicable, (x) with respect to all price or trading volume determinations relating to the Common Stock, any day on which the Common Stock is traded on the Trading Market, or, if the Trading Market is not the principal trading market for the Common Stock, then on the principal securities exchange or securities market on which the Common Stock is then traded, provided that "Trading Day" shall not include any day on which the Common Stock is scheduled to trade on such exchange or market for less than 4.5 hours or any day that the Common Stock is suspended from trading during the final hour of trading on such exchange or market (or if such exchange or market does not designate in advance the closing time of trading on such exchange or market, then during the hour ending at 4:00:00 p.m., New York time) unless such day is otherwise designated as a Trading Day in writing by the Holder or (y) with respect to all determinations other than price determinations relating to the Common Stock, any day on which the New York Stock Exchange (or any successor thereto) is open for trading of securities.

"<u>Trading Market</u>" means any of the following markets or exchanges on which the Common Stock is listed or quoted for trading on the date in question: the NYSE American, the Nasdaq Capital Market, the Nasdaq Global Market, the Nasdaq Global Select Market, or the New York Stock Exchange (or any successors to any of the foregoing).

"Transfer Agent" means Equiniti Trust Company, LLC and any successor transfer agent of the Corporation.

"<u>Warrants</u>" shall mean the three-year warrants issued by the Corporation as a unit with the Series J Preferred Stock, or any successor or replacement therefor.

Section 2. <u>Designation, Amount and Par Value</u>. The series of preferred stock shall be designated as "Series J Convertible Redeemable Preferred Stock" (the "<u>Series J Preferred Stock</u>") and the number of shares of such series shall be [] (which shall not be subject to increase without the written consent of the holders of a majority of the then outstanding shares of the Series J Preferred Stock (each, a "<u>Holder</u>" and collectively, the "<u>Holders</u>")). Each share of Series J Preferred Stock shall have a par value of \$0.0001 per share and a stated value equal to \$25.00 (as adjusted for any stock splits, stock dividends, recapitalizations, or similar transaction with respect to the Series J Preferred Stock, the "<u>Stated Value</u>").

Section 3. <u>Dividends</u>. Dividends on each share of Series J Preferred Stock shall be payable only out of funds legally available therefor and only if there is adequate surplus under Section 170 of the Delaware General Corporation Law, to holders of record at the close of business on October 31, January 31, April 30, and July 31 of each year (each, a "<u>Dividend Record Date</u>"). Dividends on each share of Series J Preferred Stock referred to in the previous sentence shall be paid on the date that is three (3) Business Days after the applicable Dividend Record Date in additional fully paid and nonassessable, registered shares of Series J Preferred Stock, in lieu of cash, in a number equal to the quotient obtained by dividing (A) the product obtained by multiplying (i) the Quarterly Dividend Rate and (ii) the Stated Value, by (B) the Purchase Price.

Section 4. Voting Rights.

(a) Except as otherwise provided herein or as otherwise required by the Delaware General Corporation Law, the Series J Preferred Stock shall have no voting rights. However, as long as any shares of Series J Preferred Stock are outstanding, the Corporation shall not, without the affirmative vote of the Holders of a majority of the then outstanding shares of the Series J Preferred Stock, (i) alter or change adversely the powers, preferences or rights given to the Series J Preferred Stock or alter or amend this Certificate of Designation, (ii) increase the number of authorized shares of Series J Preferred Stock, or (iii) enter into any agreement with respect to any of the foregoing. For all matters on which the Series J Preferred Stock may vote, each share of Series J Preferred Stock will be entitled to one vote per share.

Section 5. Liquidation. Upon any liquidation, dissolution or winding-up of the Corporation, whether voluntary or involuntary (a "Liquidation"), prior and in preference to the Common Stock, the Holders shall be entitled to receive out of the assets available for distribution to stockholders an amount equal in cash to 100% of the aggregate Stated Value of all shares of Series J Preferred Stock held by such Holder, plus any other fees then due and owing thereon under this Certificate of Designation, and no more, and if the assets of the Corporation shall be insufficient to pay in full such amounts, then the entire assets to be distributed to the Holders shall be ratably distributed among the Holders in accordance with the respective amounts that would be payable on such shares if all amounts payable thereon were paid in full. The preference set forth in this <u>Section 5</u> with respect to distributions to the Series J Preferred Stock upon a Liquidation shall apply *mutatis mutandis* to any distributions to be made upon the consummation of a Fundamental Transaction. The Corporation shall mail written notice of any such Liquidation or Fundamental Transaction not less than 45 days prior to the payment date stated therein, to each Holder. To the extent necessary, the Corporation shall cause such actions to be taken by each of its Subsidiaries so as to enable, to the maximum extent permitted by law, the proceeds of a Liquidation to be distributed to the Holders in accordance with this <u>Section 5</u>. All the preferential amounts to be paid to the Holders under this <u>Section 5</u> shall be paid or set apart for payment before the payment or setting apart for payment of any amount for, or the distribution of any Liquidation funds of the Corporation to the holders of shares of the Common Stock in connection with a Liquidation as to which this Section 5 applies.

Section 6. Conversion.

Conversions at Option of Holder. Subject to Section 6(d), each share of Series J Preferred Stock shall be convertible after its issuance, at (a) any time and from time to time from and after the Original Issue Date, at the option of the Holder thereof, into that number of shares of Common Stock determined by dividing the Stated Value of such share of Series J Preferred Stock by the Conversion Price. Holders shall effect conversions by delivering to the Corporation a conversion notice in the form attached hereto as Annex A (a "Notice of Conversion"). Each Notice of Conversion shall specify the number of shares of Series J Preferred Stock to be converted, the number of shares of Series J Preferred Stock owned prior to the conversion at issue, the number of shares of Series J Preferred Stock owned subsequent to the conversion at issue and the date on which such conversion is to be effected, which date may not be prior to the date the applicable Holder delivers such Notice of Conversion to the Corporation (such date, the "Conversion Date"). If no Conversion Date is specified in a Notice of Conversion, the Conversion Date shall be as of the close of business on the Business Day that such Notice of Conversion is delivered to the Corporation, or if such day is not a Business Day or if the Notice of Conversion is delivered after regular business hours, the next Business Day. No ink-original Notice of Conversion shall be required, nor shall any medallion guarantee (or other type of guarantee or notarization) of any Notice of Conversion form be required. The calculations and entries set forth in the Notice of Conversion shall control in the absence of manifest or mathematical error, From and after the Conversion Date, until presented for transfer or exchange, certificates (if in certificated form) that previously represented shares of Series J Preferred Stock shall represent, in lieu of the number of shares of Series J Preferred Stock previously represented by such certificate (if in certificated form), the number of shares of Series J Preferred Stock, if any, previously represented by such certificate (if in certificated form) that were not converted pursuant to the Notice of Conversion, plus the number of Conversion Shares into which the shares of Series J Preferred Stock previously represented by such certificate (if in certificated form) were converted. To effect conversions of shares of Series J Preferred Stock, a Holder shall not be required to surrender the certificate(s), if any, representing the shares of Series J Preferred Stock to the Corporation unless all of the shares of Series J Preferred Stock represented thereby are so converted, in which case such Holder shall deliver the certificate representing such shares of Series J Preferred Stock promptly following the Conversion Date at issue. Shares of Series J Preferred Stock converted into Common Stock shall be canceled and shall not be reissued. Without limiting the rights and remedies of a holder of Series J Preferred Stock hereunder and without limiting the right of a Holder to deliver a Notice of Conversion to the Corporation, a holder whose interest in the shares of Series J Preferred Stock is a beneficial interest in certificate(s) representing the shares of Series J Preferred Stock held in book-entry form through DTC (or another established clearing corporation performing similar functions), shall effect conversions made pursuant to this Section 6(a) by delivering to DTC (or such other clearing corporation, as applicable) the appropriate instruction form for conversion, complying with the procedures to effect conversions that are required by DTC (or such other clearing corporation, as applicable).

(b) <u>Conversion Price</u>. The conversion price for the Series J Preferred Stock shall equal \$[] per share, subject to adjustment herein (the "<u>Conversion Price</u>").

(c) <u>Mechanics of Conversion</u>.

Delivery of Conversion Shares Upon Conversion. Not later than the earlier of (i) two (2) Trading Days and (ii) the number of Trading Days comprising the Standard Settlement Period (as defined below) after each Conversion Date (the "Share Delivery Date"), the Corporation shall deliver, or cause to be delivered, to the converting Holder the number of Conversion Shares being acquired upon the conversion of the Series J Preferred Stock. The Corporation shall cause such Conversion Shares to be issued free of such restrictive legends and trading legends. The Corporation shall use its reasonable best efforts to deliver the Conversion Shares required to be delivered by the Corporation under this Section 6 electronically through the Depository Trust Company ("DTC") or another established clearing corporation performing similar functions. As used herein, "Standard Settlement Period," means the standard settlement period, expressed in a number of Trading Days, on the Corporation's primary Trading Market with respect to the Common Stock as in effect on the date of delivery of the Notice of Conversion. Notwithstanding the foregoing, with respect to any Notice(s) of Conversion delivered by 12:00 p.m. (New York City time) on the Original Issue Date, the Corporation agrees to deliver the Conversion Shares subject to such notice(s) by 5:00 p.m. (New York City time) on the Original Issue Date and the Original Issue Date shall be the Share Delivery Date for purposes hereunder. In addition, notwithstanding the foregoing, following its satisfaction of the applicable Exercise Conditions (as defined in the Warrant), a holder of a Warrant may convert the shares of Series J Preferred Stock subject to the Notice of Exercise (as defined in the Warrant) pursuant to the terms in the Warrant into Conversion Shares pursuant to this Certificate of Designation by simultaneously delivering a Notice of Conversion to the Corporation hereunder, and upon the delivery of said Notice of Conversion, the Corporation shall deliver, or cause to be delivered, to the converting Holder the applicable number of Conversion Shares subject to the Notice of Conversion by the Share Delivery Date.

(ii) <u>Failure to Deliver Conversion Shares</u>. If, in the case of any Notice of Conversion, such Conversion Shares are not delivered to or as directed by the applicable Holder by the Share Delivery Date, the Holder shall be entitled to elect by written notice to the Corporation at any time on or before its receipt of such Conversion Shares, to rescind such Conversion, in which event the Corporation shall promptly return to the Holder any original Series J Preferred Stock certificate delivered to the Corporation and the Holder shall promptly return to the Conversion Shares issued to such Holder pursuant to the rescinded Notice of Conversion.

Obligation Absolute; Partial Liquidated Damages. Subject to Section 6(d), the Corporation's obligation to issue and deliver the (iii) Conversion Shares upon conversion of Series J Preferred Stock in accordance with the terms hereof are absolute and unconditional, irrespective of any action or inaction by a Holder to enforce the same, any waiver or consent with respect to any provision hereof, the recovery of any judgment against any Person or any action to enforce the same, or any setoff, counterclaim, recoupment, limitation or termination, or any breach or alleged breach by such Holder or any other Person of any obligation to the Corporation or any violation or alleged violation of law by such Holder or any other Person, and irrespective of any other circumstance, which might otherwise limit such obligation of the Corporation to such Holder in connection with the issuance of such Conversion Shares; provided, however, that such delivery shall not operate as a waiver by the Corporation of any such action that the Corporation may have against such Holder. In the event a Holder shall elect to convert any or all of the Stated Value of its Series J Preferred Stock, the Corporation may not refuse conversion based on any claim that such Holder or anyone associated or affiliated with such Holder has been engaged in any violation of law, agreement or for any other reason, other than pursuant to Section 6(d), unless an injunction from a court, on notice to Holder, restraining and/or enjoining conversion of all or part of the Series J Preferred Stock of such Holder shall have been sought and obtained, and the Corporation posts a surety bond for the benefit of such Holder in the amount of 150% of the Stated Value of the Series J Preferred Stock which is subject to the injunction, which bond shall remain in effect until the completion of arbitration/litigation of the underlying dispute and the proceeds of which shall be payable to such Holder to the extent it obtains judgment. In the absence of such injunction, subject to Section 6(d), the Corporation shall issue Conversion Shares and, if applicable, cash, upon a properly noticed conversion. If the Corporation fails to deliver to a Holder such Conversion Shares pursuant to Section 6(c)(i) by the Share Delivery Date applicable to such conversion, other than pursuant to Section 6(d), the Corporation shall pay to such Holder, in cash, as liquidated damages and not as a penalty, for each \$250 of Stated Value of Series J Preferred Stock being converted, \$2.50 per Trading Day (increasing to \$5 per Trading Day on the third Trading Day after the Share Delivery Date and increasing to \$10 per Trading Day on the sixth Trading Day after the Share Delivery Date) for each Trading Day after the Share Delivery Date until such Conversion Shares are delivered or Holder rescinds such conversion. Nothing herein shall limit a Holder's right to pursue actual damages for the Corporation's failure to deliver Conversion Shares within the period specified herein and such Holder shall have the right to pursue all remedies available to it hereunder, at law or in equity including, without limitation, a decree of specific performance and/or injunctive relief. The exercise of any such rights shall not prohibit a Holder from seeking to enforce damages pursuant to any other Section hereof or under applicable law.

Compensation for Buy-In on Failure to Timely Deliver Conversion Shares Upon Conversion. In addition to any other rights (iv) available to the Holder, if the Corporation fails for any reason to deliver to a Holder the applicable Conversion Shares by the Share Delivery Date pursuant to Section 6(c)(i), and if after such Share Delivery Date such Holder is required by its brokerage firm to purchase (in an open market transaction or otherwise), or the Holder's brokerage firm otherwise purchases, shares of Common Stock to deliver in satisfaction of a sale by such Holder of the Conversion Shares which such Holder was entitled to receive upon the conversion relating to such Share Delivery Date (a "Buy-In"), then the Corporation shall (A) pay in cash to such Holder (in addition to any other remedies available to or elected by such Holder) the amount, if any, by which (x) such Holder's total purchase price (including any brokerage commissions) for the Common Stock so purchased exceeds (y) the product of (1) the aggregate number of shares of Common Stock that such Holder was entitled to receive from the conversion at issue multiplied by (2) the actual sale price at which the sell order giving rise to such purchase obligation was executed (including any brokerage commissions) and (B) at the option of such Holder, either reissue (if surrendered) the shares of Series J Preferred Stock equal to the number of shares of Series J Preferred Stock submitted for conversion (in which case, such conversion shall be deemed rescinded) or deliver to such Holder the number of shares of Common Stock that would have been issued if the Corporation had timely complied with its delivery requirements under Section 6(c)(i). For example, if a Holder purchases shares of Common Stock having a total purchase price of \$11,000 to cover a Buy-In with respect to an attempted conversion of shares of Series J Preferred Stock with respect to which the actual sale price of the Conversion Shares (including any brokerage commissions) giving rise to such purchase obligation was a total of \$10,000 under clause (A) of the immediately preceding sentence, the Corporation shall be required to pay such Holder \$1,000. The Holder shall provide the Corporation written notice indicating the amounts payable to such Holder in respect of the Buy-In and, upon request of the Corporation, evidence of the amount of such loss. Nothing herein shall limit a Holder's right to pursue any other remedies available to it hereunder, at law or in equity including, without limitation, a decree of specific performance and/or injunctive relief with respect to the Corporation's failure to timely deliver the Conversion Shares upon conversion of the shares of Series J Preferred Stock as required pursuant to the terms hereof.

(v) <u>Reservation of Shares Issuable Upon Conversion</u>. From and after the Original Issue Date and until no shares of Series J Preferred Stock remain outstanding, the Corporation covenants that it will at all times reserve and keep available out of its authorized and unissued shares of Common Stock for the sole purpose of issuance upon conversion of the Series J Preferred Stock as herein provided, free from preemptive rights or any other actual contingent purchase rights of Persons other than the Holder (and the other holders of the Series J Preferred Stock), not less than 100% of the aggregate number of shares of the Common Stock as shall be issuable (taking into account any adjustments under <u>Section 7</u>) upon the conversion of the then outstanding shares of Series J Preferred Stock and the payment of any and all Dividends payable to the Holders. The Corporation covenants that all shares of Common Stock that shall be so issuable shall, upon issue, be duly authorized, validly issued, fully paid and non-assessable.

(vi) <u>Fractional Shares</u>. No fractional shares or scrip representing fractional shares shall be issued upon the conversion of the Series J Preferred Stock. As to any fraction of a share which the Holder would otherwise be entitled to purchase upon such conversion, the Corporation shall, at its election, either pay a cash adjustment in respect of such final fraction in an amount equal to such fraction multiplied by the Conversion Price or round down to the next whole share. Notwithstanding anything to the contrary contained herein, but consistent with the provisions of this subsection with respect to fractional Conversion Shares, nothing shall prevent any Holder from converting fractional shares of Series J Preferred Stock.

(vii) <u>Transfer Taxes and Expenses</u>. The issuance of Conversion Shares on conversion of the Series J Preferred Stock shall be made without charge to any Holder for any documentary stamp or similar taxes that may be payable in respect of the issue or delivery of such Conversion Shares, provided that the Corporation shall not be required to pay any tax that may be payable in respect of any transfer involved in the issuance and delivery of any such Conversion Shares upon conversion in a name other than that of the Holders of such shares of Series J Preferred Stock and the Corporation shall not be required to issue or deliver such Conversion Shares unless or until the Person or Persons requesting the issuance thereof shall have paid to the Corporation the amount of such tax or shall have established to the satisfaction of the Corporation that such tax has been paid. The Corporation shall pay all Transfer Agent fees required for same-day processing of any Notice of Conversion and all fees to DTC (or another established clearing corporation performing similar functions) required for same-day electronic delivery of the Conversion Shares.

Beneficial Ownership Limitation. Notwithstanding anything to the contrary set forth herein, the Corporation shall not effect any (d)conversion of the Series J Preferred Stock, and a Holder shall not have the right to convert any portion of the Series J Preferred Stock, to the extent that, after giving effect to the conversion set forth on the applicable Notice of Conversion, such Holder (together with such Holder's Affiliates, and any Persons acting as a group together with such Holder or any of such Holder's Affiliates (such Persons, "Attribution Parties")) would beneficially own in excess of the Beneficial Ownership Limitation (as defined below). For purposes of the foregoing sentence, the number of shares of Common Stock beneficially owned by such Holder and its Affiliates and Attribution Parties shall include the number of shares of Common Stock issuable upon conversion of the Series J Preferred Stock with respect to which such determination is being made, but shall exclude the number of shares of Common Stock which are issuable upon (i) conversion of the remaining, unconverted Series J Preferred Stock beneficially owned by such Holder or any of its Affiliates or Attribution Parties and (ii) exercise or conversion of the unexercised or unconverted portion of any other securities of the Corporation subject to a limitation on conversion or exercise analogous to the limitation contained herein (including, without limitation, the Series J Preferred Stock) beneficially owned by such Holder or any of its Affiliates or Attribution Parties. Except as set forth in the preceding sentence, for purposes of this Section 6(d), beneficial ownership shall be calculated in accordance with Section 13(d) of the Exchange Act and the rules and regulations promulgated thereunder. To the extent that the limitation contained in this Section 6(d) applies, the determination of whether the Series J Preferred Stock is convertible (in relation to other securities owned by such Holder together with any Affiliates and Attribution Parties) and of how many shares of Series J Preferred Stock are convertible shall be in the sole discretion of such Holder, and the submission of a Notice of Conversion shall be deemed to be such Holder's determination of whether the shares of Series J Preferred Stock may be converted (in relation to other securities owned by such Holder together with any Affiliates and Attribution Parties) and how many shares of the Series J Preferred Stock are convertible, in each case subject to the Beneficial Ownership Limitation. To ensure compliance with this restriction, each Holder will be deemed to represent to the Corporation each time it delivers a Notice of Conversion that such Notice of Conversion has not violated the restrictions set forth in this Section 6(d) and the Corporation shall have no obligation to verify or confirm the accuracy of such determination. In addition, a determination as to any group status as contemplated above shall be determined in accordance with Section 13(d) of the Exchange Act and the rules and regulations promulgated thereunder. For purposes of this Section 6(d), in determining the number of outstanding shares of Common Stock, a Holder may rely on the number of outstanding shares of Common Stock as stated in the most recent of the following: (i) the Corporation's most recent periodic or annual report filed with the Commission, as the case may be, (ii) a more recent public announcement by the Corporation or (iii) a more recent written notice by the Corporation or the Transfer Agent setting forth the number of shares of Common Stock outstanding. Upon the written or oral request (which may be via email) of a Holder, the Corporation shall within one (1) Trading Day confirm orally and in writing to such Holder the number of shares of Common Stock then outstanding. In any case, the number of outstanding shares of Common Stock shall be determined after giving effect to the conversion or exercise of securities of the Corporation, including the Series J Preferred Stock, by such Holder or its Affiliates or Attribution Parties since the date as of which such number of outstanding shares of Common Stock was reported. The "Beneficial Ownership Limitation" shall be 4.99% (or, upon election by a Holder prior to the issuance of any shares of Series J Preferred Stock, 9.99%) of the number of shares of the Common Stock outstanding immediately after giving effect to the issuance of shares of Common Stock issuable upon conversion of Series J Preferred Stock held by the applicable Holder. A Holder, upon notice to the Corporation, may increase or decrease the Beneficial Ownership Limitation provisions of this Section 6(d) applicable to its Series J Preferred Stock; provided, that the Beneficial Ownership Limitation shall not in any event exceed 9.99% of the number of shares of the Common Stock outstanding immediately after giving effect to the issuance of shares of Common Stock upon conversion of this Series J Preferred Stock held by the Holder and the provisions of this Section 6(d) shall continue to apply. Any such increase will not be effective until the 61st day after such notice is delivered to the Corporation and shall only apply to such Holder and no other Holder. The Beneficial Ownership Limitation shall not be waived by the Corporation or the Holder and upon issuance of the Series J Preferred Stock by the Corporation, and the purchase thereof by the Holder, each of the Corporation and the Purchaser shall be deemed to acknowledge such limitation and to agree not to waive it. The provisions of this Section 6(d) shall be construed and implemented in a manner otherwise than in strict conformity with the terms of this <u>Section 6(d)</u> to correct this Section (or any portion hereof) which may be defective or inconsistent with the intended Beneficial Ownership Limitation contained herein or to make changes or supplements necessary or desirable to properly give effect to such limitation. The limitations contained in this Section shall apply to any successor or assign of a Holder.

Section 7. Certain Adjustments.

(a) <u>Stock Dividends and Stock Splits</u>. If the Corporation, at any time while the Series J Preferred Stock is outstanding: (i) pays a stock dividend or otherwise makes a distribution that is payable in shares of Common Stock on shares of Common Stock or any other Common Stock Equivalents (which, for avoidance of doubt, shall not include any shares of Common Stock issued by the Corporation upon conversion of, or payment of a dividend on, the Series J Preferred Stock), (ii) subdivides outstanding shares of Common Stock into a larger number of shares, (iii) combines (including by way of a reverse stock split) outstanding shares of Common Stock into a smaller number of shares, or (iv) issues, in the event of a reclassification of shares of the Common Stock, any shares of capital stock of the Corporation, then the Conversion Price shall be multiplied by a fraction of which the numerator shall be the number of shares of Common Stock outstanding immediately after such event. Any adjustment made pursuant to this <u>Section 7(a)</u> shall become effective immediately after the record date for the determination of stockholders entitled to receive such dividend or distribution and, in the case of a subdivision, combination or re-classification, shall become effective immediately after the effective date of such subdivision, combination or re-classification in no event may the Conversion Price be less than the par value per share of Series J Preferred Stock.

(b) <u>Subsequent Rights Offerings</u>. In addition to any adjustments pursuant to <u>Section 7(a)</u> above, if at any time the Corporation grants, issues or sells any Common Stock Equivalents or rights to purchase stock, warrants, securities or other property *pro rata* to the record holders of Common Stock or any class thereof (the "<u>Purchase Rights</u>"), then the Holder will be entitled to acquire, upon the terms applicable to such Purchase Rights, the aggregate Purchase Rights which the Holder could have acquired if the Holder had held the number of shares of Common Stock acquirable upon complete conversion of such Holder's Series J Preferred Stock (without regard to any limitations on exercise hereof, including without limitation, the Beneficial Ownership Limitation) immediately before the record date for the grant, issuance or sale of such Purchase Rights (provided, however, that, to the extent that the Holder's right to participate in any such Purchase Right would result in the Holder exceeding the Beneficial Ownership Limitation, then the Holder shall not be entitled to participate in such Purchase Right to such extent (or beneficial ownership of such shares of Common Stock as a result of such Purchase Right to such extent) and such Purchase Right to such extent shall be held in abeyance for the Holder until such time, if ever, as its right thereto would not result in the Holder exceeding the Beneficial Ownership Limitation).

(c) <u>Distributions</u>. During such time as the Series J Preferred Stock is outstanding, if the Corporation declares or makes any dividend or other distribution of its assets (or rights to acquire its assets) to holders of Common Stock, by way of return of capital or otherwise (including, without limitation, any distribution of cash, stock or other securities, property or options by way of a dividend, spin off, reclassification, corporate rearrangement, scheme of arrangement or other similar transaction) (a "<u>Distribution</u>"), then, in each such case, the Holder shall be entitled to participate in such Distribution to the same extent that the Holder would have participated therein if the Holder had held the number of shares of Common Stock acquirable upon complete conversion of the Series J Preferred Stock (without regard to any limitations on conversion hereof, including without limitation, the Beneficial Ownership Limitation) immediately before the record date for such Distribution in such Distribution (<u>provided</u>, <u>however</u>, that, to the extent that the Holder's right to participate in any such Distribution to such extent (or in the beneficial ownership of any shares of Common Stock as a result of such Distribution to such extent) and the portion of such Distribution shall be held in abeyance for the benefit of the Holder until such time, if ever, as its right thereto would not result in the Holder exceeding the Beneficial Ownership Limitation.

Fundamental Transaction. If, at any time while the Series J Preferred Stock is outstanding, (i) the Corporation, directly or indirectly, in (d)one or more related transactions effects any merger or consolidation of the Corporation with or into another Person (other than a merger to bring about a reincorporation under applicable state law and Section 368(a)(1)(F) of the Internal Revenue Code of 1986, as amended, (ii) the Corporation (and all of its Subsidiaries, taken as a whole), directly or indirectly, effects any sale, lease, license, assignment, transfer, conveyance or other disposition of all or substantially all of its assets in one or a series of related transactions, (iii) any, direct or indirect, purchase offer, tender offer or exchange offer (whether by the Corporation or another Person) is completed pursuant to which holders of Common Stock are permitted to sell, tender or exchange their shares for other securities, cash or property and has been accepted by the holders of at least 50% of the outstanding Common Stock, (iv) the Corporation, directly or indirectly, in one or more related transactions effects any reclassification, reorganization or recapitalization of the Common Stock or any compulsory share exchange pursuant to which the Common Stock is effectively converted into or exchanged for other securities, cash or property, or (v) the Corporation, directly or indirectly, in one or more related transactions consummates a stock or share purchase agreement or other business combination (including, without limitation, a reorganization, recapitalization, spin-off or scheme of arrangement) with another Person whereby such other Person acquires more than 50% of the outstanding shares of Common Stock (each a "Fundamental Transaction"), then, upon any subsequent conversion of the Series J Preferred Stock, the Holder shall have the right to receive, for each Conversion Share that would have been issuable upon such conversion immediately prior to the occurrence of such Fundamental Transaction (without regard to any limitation in <u>Section 6(d)</u> on the conversion of the Series J Preferred Stock), the number of shares of Common Stock of the successor or acquiring corporation or of the Corporation, if it is the surviving corporation, and any additional consideration (the "Alternate Consideration") receivable as a result of such Fundamental Transaction by a holder of the number of shares of Common Stock for which the Series J Preferred Stock is convertible immediately prior to such Fundamental Transaction (without regard to any limitation in Section 6(d) on the conversion of the Series J Preferred Stock). For purposes of any such conversion, the determination of the Conversion Price shall be appropriately adjusted to apply to such Alternate Consideration based on the amount of Alternate Consideration issuable in respect of one share of Common Stock in such Fundamental Transaction, and the Corporation shall apportion the Conversion Price among the Alternate Consideration in a reasonable manner reflecting the relative value of any different components of the Alternate Consideration. If holders of Common Stock are given any choice as to the securities, cash or property to be received in a Fundamental Transaction, then the Holder shall be given the same choice as to the Alternate Consideration it receives upon any conversion of the Series J Preferred Stock following such Fundamental Transaction. To the extent necessary to effectuate the foregoing provisions, any successor to the Corporation or surviving entity in such Fundamental Transaction shall file a new Certificate of Designation with the same terms and conditions and issue to the Holders new preferred stock consistent with the foregoing provisions and evidencing the Holders' right to convert such preferred stock into Alternate Consideration. The Corporation shall cause any successor entity in a Fundamental Transaction in which the Corporation is not the survivor (the "Successor Entity") to assume in writing all of the obligations of the Corporation under this Certificate of Designation in accordance with the provisions of this Section 7(d) pursuant to written agreements in customary form and substance reasonably satisfactory to the Holder and approved by the Holder (without unreasonable delay) prior to such Fundamental Transaction and shall, at the option of the Holder, deliver to the Holder in exchange for the Series J Preferred Stock a security of the Successor Entity evidenced by a written instrument substantially similar in form and substance to the Series J Preferred Stock which is convertible for a corresponding number of shares of capital stock of such Successor Entity (or its parent entity) equivalent to the shares of Common Stock acquirable and receivable upon conversion of the Series J Preferred Stock (without regard to any limitations on the conversion of the Series J Preferred Stock) prior to such Fundamental Transaction, and with a conversion price which applies the conversion price hereunder to such shares of capital stock (but taking into account the relative value of the shares of Common Stock pursuant to such Fundamental Transaction and the value of such shares of capital stock, such number of shares of capital stock and such conversion price being for the purpose of protecting the economic value of the Series J Preferred Stock immediately prior to the consummation of such Fundamental Transaction), and which is reasonably satisfactory in form and substance to the Holder. Upon the occurrence of any such Fundamental Transaction, the Successor Entity shall succeed to, and be substituted for (so that from and after the date of such Fundamental Transaction, the provisions of this Certificate of Designation referring to the "Corporation" shall refer instead to the Successor Entity), and may exercise every right and power of the Corporation and shall assume all of the obligations of the Corporation under this Certificate of Designation with the same effect as if such Successor Entity had been named as the Corporation herein.

- (e) [Reserved].
- (f) [Reserved].

(g) <u>Calculations</u>. All calculations under this <u>Section 7</u> shall be made to the nearest cent or the nearest 1/100th of a share, as the case may be. For purposes of this Section 7, the number of shares of Common Stock deemed to be issued and outstanding as of a given date shall be the sum of the number of shares of Common Stock (excluding any treasury shares of the Corporation) issued and outstanding.

(h) <u>Notice of Holders</u>.

(i) <u>Adjustment to Conversion Price</u>. Whenever the Conversion Price is adjusted pursuant to any provision of this <u>Section 7</u>, the Corporation shall promptly deliver to each Holder by facsimile or email a notice setting forth the Conversion Price after such adjustment and setting forth a brief statement of the facts requiring such adjustment.

Notice to Allow Conversion by Holder. If (A) the Corporation shall declare a dividend (or any other distribution in whatever (ii) form) on the Common Stock, (B) the Corporation shall declare a special nonrecurring cash dividend on or a redemption of the Common Stock, (C) the Corporation shall authorize the granting to all holders of the Common Stock of rights or warrants to subscribe for or purchase any shares of capital stock of any class or of any rights, (D) the approval of any stockholders of the Corporation shall be required in connection with any reclassification of the Common Stock, any consolidation or merger to which the Corporation is a party, any sale or transfer of all or substantially all of the assets of the Corporation (and all of its Subsidiaries, taken as a whole), or any compulsory share exchange whereby the Common Stock is converted into other securities, cash or property or (E) the Corporation shall authorize the voluntary or involuntary dissolution, liquidation or winding up of the affairs of the Corporation, then, in each case, the Corporation shall cause to be filed at each office or agency maintained for the purpose of conversion of the Series J Preferred Stock, and shall cause to be delivered by email to each Holder at its last email address as it shall appear upon the stock books of the Corporation, at least twenty (20) calendar days prior to the applicable record or effective date hereinafter specified, a notice stating (x) the date on which a record is to be taken for the purpose of such dividend, distribution, redemption, rights or warrants, or if a record is not to be taken, the date as of which the holders of the Common Stock of record to be entitled to such dividend, distributions, redemption, rights or warrants are to be determined or (y) the date on which such reclassification, consolidation, merger, sale, transfer or share exchange is expected to become effective or close, and the date as of which it is expected that holders of the Common Stock of record shall be entitled to exchange their shares of the Common Stock for securities, cash or other property deliverable upon such reclassification, consolidation, merger, sale, transfer or share exchange, provided that the failure to deliver such notice or any defect therein or in the delivery thereof shall not affect the validity of the corporate action required to be specified in such notice. To the extent that any notice provided hereunder constitutes, or contains, material, non-public information regarding the Corporation or any of the Subsidiaries, the Corporation shall simultaneously file such notice with the Commission pursuant to a Current Report on Form 8-K. The Holder shall remain entitled to convert the Conversion Amount of the Series J Preferred Stock (or any part hereof) during the 20-day period commencing on the date of such notice through the effective date of the event triggering such notice except as may otherwise be expressly set forth herein.

Section 8. Covenants. As long as any shares of Series J Preferred Stock or Warrants remain outstanding:

(a) the Corporation is obligated to maintain an effective registration statement under the Securities Act covering: (a) the issuance of shares of Common Stock issuable upon conversion of the Series J Preferred Stock and (b) the issuance of additional shares of Series J Preferred Stock pursuant to the Corporation's obligation to pay Dividends, in each case, unless there is available an exemption from, or a transaction not subject to, the registration requirements of the Securities Act that would allow the issuance of the Series J Preferred Stock and the Conversion Shares without registration.

Section 9. Redemption

(a) <u>Mandatory Redemption</u>. If any shares of Series J Preferred are outstanding at the end of the Term, then the Corporation shall promptly redeem all of such outstanding shares of Series J Preferred Stock on a *pro rata* basis among all of the Holders of Series J Preferred Stock commencing on the one-year anniversary of the Original Issue Date ("<u>Mandatory Redemption Date</u>") in cash at a price per share of Series J Preferred Stock equal to the sum of (x) the Stated Value plus (y) all accrued and unpaid Dividends and (z) all other amounts due in respect of the Series J Preferred Stock (the "<u>Corporation's Mandatory Redemption Price</u>"). On the Mandatory Redemption Date, the Corporation shall pay the Corporation's Mandatory Redemption Price, subject to any adjustment pursuant to the immediately preceding sentence, to the Holders of Series J Preferred Stock on a *pro rata* basis. If a Mandatory Redemption Date is not a Business Day, then the Corporation shall pay the Corporation's Mandatory Redemption Date. The Corporation shall pay the Corporation's Mandatory Redemption Price due under this <u>Section 9(a)</u> to the Holders in cash. Notwithstanding the foregoing, if the shares of Series J Preferred Stock are issued in book-entry form through DTC or any other similar facility, notice of redemption may be given to the holders of Series J Preferred Stock at such time and in any manner permitted by such facility. The Corporation covenants and agrees that it will honor all Notices of Conversion tendered up until the Mandatory Redemption Share Amount is paid in full.

- (b) [Reserved].
- (c) [Reserved].
- (d) [Reserved].
- (e) [Reserved].
- (f) [Reserved].
- (g) [Reserved].
- (h) [Reserved].
- (i) [Reserved].

(j) <u>General</u>. Notwithstanding anything to the foregoing contained herein, on the Mandatory Redemption Date, the Corporation shall redeem, on a *pro rata* basis in accordance with the number of shares of Series J Preferred Stock owned by each Holder, that number of outstanding shares of Series J Preferred Stock which the Corporation is obligated to redeem pursuant to this <u>Section 9</u>. If on the Mandatory Redemption Date, Delaware law governing distributions to stockholders prevents the Corporation from redeeming all shares of Series J Preferred Stock to be redeemed, the Corporation shall ratably redeem the maximum number of shares of Series J Preferred Stock that it may redeem consistent with such law. If on the Mandatory Redemption Date, any cash payment to be made pursuant to this <u>Section 9</u> is not made due to the aforementioned prohibitions under Delaware law, then the Corporation shall, provided there is no prohibition under Delaware law, redeem the Series J Preferred Stock by paying to the Holder the unpaid cash redemption payment in duly authorized, validly issued, fully paid and non-assessable shares of Common Stock equal in number to the quotient obtained by dividing such unpaid amount by the closing price of the Common Stock on the Trading Market on the Mandatory Redemption Date.

Section 10. Miscellaneous.

(a) Notices. Any and all notices or other communications or deliveries to be provided by the Holders hereunder including, without limitation, any Notice of Conversion, shall be in writing and delivered personally, by facsimile or email attachment, or sent by a nationally recognized overnight courier service, addressed to the Corporation, at 12988 Valley View Road, Eden Prairie, Minnesota 55344 Attention: Nestor Jaramillo, Jr., Chief Executive Officer, email address: nestor.jaramillo@nuwellis.com, or such other email address or address as the Corporation may specify for such purposes by notice to the Holders delivered in accordance with this <u>Section 10</u>. Any and all notices or other communications or deliveries to be provided by the Corporation hereunder shall be in writing and delivered personally, by email attachment, or sent by a nationally recognized overnight courier service address of address or address or address or address as the Holder at the email address or address or address as the Holder may specify. Any notice or other communication or deliveries hereunder shall be deemed given and effective on the earliest of (i) the time of transmission, if such notice or communication is delivered via email attachment at the email address set forth in this Section prior to 5:30 p.m. (New York City time) on any date, (ii) the next Trading Day after the time of transmission, if such notice or communication is delivered via email attachment at the email address set forth in this Section prior to 5:30 p.m. (New York City time) on any date, (ii) the next Trading Day after the time of transmission, if such notice or communication is delivered via email attachment at the email address set forth in this section prior to 5:30 p.m. (New York City time) on any date, (ii) the next Trading Day that is not a Trading Day or later than 5:30 p.m. (New York City time) on any Trading Day, (iii) the second Trading Day following the date of mailing, if sent by a U.S. nationally recognized overnight courier service, or (iv) upon act

(b) Lost or Mutilated Preferred Stock Certificate. If a Holder's Series J Preferred Stock certificate (if in certificate form) shall be mutilated, lost, stolen or destroyed, the Corporation shall execute and deliver, in exchange and substitution for and upon cancellation of a mutilated certificate, or in lieu of or in substitution for a lost, stolen or destroyed certificate, a new certificate for the shares of Series J Preferred Stock so mutilated, lost, stolen or destroyed, but only upon receipt of evidence of such loss, theft or destruction of such certificate, and of the ownership hereof reasonably satisfactory to the Corporation (which shall not include the posting of any bond).

(c) <u>Severability</u>. If any provision of this Certificate of Designation is invalid, illegal or unenforceable, the balance of this Certificate of Designation shall remain in effect, and if any provision is inapplicable to any Person or circumstance, it shall nevertheless remain applicable to all other Persons and circumstances.

(d) <u>Next Business Day</u>. Whenever any payment or other obligation hereunder shall be due on a day other than a Business Day, such payment shall be made on the next succeeding Business Day.

(e) <u>Headings</u>. The headings contained herein are for convenience only, do not constitute a part of this Certificate of Designation and shall not be deemed to limit or affect any of the provisions hereof.

(f) <u>Status of Converted or Redeemed Preferred Stock</u>. If any shares of Series J Preferred Stock shall be converted, redeemed or reacquired by the Corporation, such shares may not be reissued and shall automatically be retired and canceled and shall resume the status of authorized but unissued shares of preferred stock.

(g) <u>Certificates</u>. The Corporation may at its option issue shares of the Series J Preferred Stock without certificates. If DTC or its nominee is the registered owner of the Series J Preferred Stock, the following provisions of this <u>Section 10</u> shall apply. If and as long as DTC or its nominee is the registered owner of the Series J Preferred Stock, DTC or its nominee, as the case may be, shall be considered the sole owner and holder of all such shares of the Series J Preferred Stock of which DTC or its nominee is the registered owner for all purposes under the instruments governing the rights and obligations of holders of shares of the Series J Preferred Stock. If DTC discontinues providing its services as securities depositary with respect to the shares of the Series J Preferred Stock, or if DTC ceases to be registered as a clearing agency under the Exchange Act, in the event that a successor securities depositary is not obtained within ninety (90) days, the Corporation shall either print and deliver certificates for the shares of the Series J Preferred Stock with the Transfer Agent. If the Corporation decides to discontinue the use of the system of book-entry-only transfers through DTC (or a successor securities depositary), the Corporation shall print certificates for the shares of the Series J Preferred Stock and deliver such certificates to DTC or shall provide for the direct registration of the Series J Preferred Stock with the Transfer Agent. Except in the limited circumstances referred to above, owners of beneficial interests in the Series J Preferred Stock of which DTC or its nominee is the registered owner:

(i) shall not be entitled to have such Series J Preferred Stock registered in their names;

(ii) shall not receive or be entitled to receive physical delivery of securities certificates in exchange for beneficial interests in the Series J Preferred Stock; and

(iii) shall not be considered to be owners or holders of the shares of the Series J Preferred Stock for any purpose under the instruments governing the rights and obligations of holders of shares of the Series J Preferred Stock.

IN WITNESS WHEREOF, the undersigned has executed this Certificate this [] day of [], 2023.

Name:	Nestor Jaramillo, Jr.	
Title:	Chief Executive Officer	

ANNEX A

NOTICE OF CONVERSION

(TO BE EXECUTED BY THE REGISTERED HOLDER IN ORDER TO CONVERT SHARES OF SERIES J PREFERRED STOCK)

The undersigned hereby elects to convert the number of shares of Series J Convertible Redeemable Preferred Stock indicated below into shares of common stock, par value \$0.0001 per share (the "<u>Common Stock</u>"), of Nuwellis, Inc., a Delaware corporation (the "<u>Corporation</u>"), according to the conditions hereof, as of the date written below. If shares of Common Stock are to be issued in the name of a Person other than the undersigned, the undersigned will pay all transfer taxes payable with respect thereto. No fee will be charged to the Holders for any conversion, except for any such transfer taxes.

Conversion calculations:

Date to Effect Conversion: Number of shares of Series J Preferred Stock owned prior to Conversion: Number of shares of Series J Preferred Stock to be Converted: Stated Value of shares of Series J Preferred Stock to be Converted: Number of shares of Common Stock to be Issued: Applicable Conversion Price: Number of shares of Series J Preferred Stock subsequent to Conversion: Address for Delivery:

<u>Or</u>

DWAC Instructions: Broker no: Account no:

HOLDER

By:

Name:

Title:

EXHIBIT 4.13

FORM OF PREFERRED STOCK PURCHASE WARRANT

NUWELLIS, INC.

Preferred Warrant Shares: ____

Initial Exercise Date: [], 2023 Issuance Date: [], 2023

THIS PREFERRED STOCK PURCHASE WARRANT (the "<u>Warrant</u>") certifies that, for value of \$0.0001 received by the Company, ______ or its assigns (the "<u>Holder</u>") is entitled, upon the terms and subject to the limitations on exercise and the conditions hereinafter set forth, at any time on or after [], 2023 (the "<u>Initial Exercise Date</u>") and prior to 5:00 p.m. (New York City time) on [], 2026 (the "<u>Termination Date</u>") but not thereafter, to subscribe for and purchase from Nuwellis, Inc., a Delaware corporation (the "<u>Company</u>"), up to ______ shares of Series J Preferred Stock (as subject to adjustment hereunder, the "<u>Preferred Warrant Shares</u>"). The purchase price of [] share of Series J Preferred Stock under this Warrant shall be equal to the Exercise Price, as defined in Section 2(b). This Warrant shall initially be issued and maintained in the form of a security held in book-entry form and the Depository Trust Company or its nominee ("<u>DTC</u>") shall initially be the sole registered holder of this Warrant, subject to a Holder's right to elect to receive a Warrant in certificated form pursuant to the terms of the Warrant Agency Agreement, in which case this sentence shall not apply. This Warrant is being issued pursuant to the Securities Purchase Agreement (as defined herein) and/or Registration Statement (as defined herein) and Warrant Agency Agreement (the "<u>Warrant Agent Agreement</u>"), dated as of [], 2023, between the Company and Equiniti Trust Company, LLC, and any successor warrant agent under thereunder (collectively, the "<u>Warrant Agent</u>").

Section 1. <u>Definitions</u>. In addition to the terms defined elsewhere in this Warrant, the following terms have the meanings indicated in this Section 1.

"Affiliate" means any Person that, directly or indirectly through one or more intermediaries, controls or is controlled by or is under common control with a Person, as such terms are used in and construed under Rule 405 under the Securities Act.

"Business Day" means any day except any Saturday, any Sunday, any day which is a federal legal holiday in the United States or any day on which banking institutions in the State of New York are authorized or required by law or other governmental action to close.

"Commission" means the United States Securities and Exchange Commission.

"**Common Stock**" means the common stock of the Company, par value \$0.0001 per share, and any other class or series of securities into which such securities may hereafter be reclassified as or converted or otherwise changed into shares of the Company's common stock, \$0.0001 par value per share.

"Exchange Act" means the Securities Exchange Act of 1934, as amended, and the rules and regulations promulgated thereunder.

"**Fundamental Transaction**" means (i) the Company, directly or indirectly, in one or more related transactions effects any merger or consolidation of the Company with or into another Person, (ii) the Company (and all of its Subsidiaries, taken as a whole), directly or indirectly effects any sale, lease, license, assignment, transfer, conveyance or other disposition of all or substantially all of its assets in one or a series of related transactions, (iii) any, direct or indirect, purchase offer, tender offer or exchange offer (other than a stock split whether by the Company or another Person) is completed pursuant to which holders of shares of Common Stock are permitted to sell, tender or exchange their shares for other securities, cash or property and has been accepted by the holders of 50% or more of the outstanding shares of Common Stock or 50% or more of the Common Stock of the Company, (iv) the Company, directly or indirectly, in one or more related transactions effects any reclassification, reorganization or recapitalization (other than a stock split) of the Common Stock or any compulsory share exchange pursuant to which the Common Stock is effectively converted into or exchanged for other securities, cash or property, or (v) the Company, directly or indirectly, in one or more related transactions, reorganization consummates a share purchase agreement or other business combination (including, without limitation, a reorganization, recapitalization (other than a stock split), spin-off, merger or scheme of arrangement) with another Person or group of Persons whereby such other Person or group acquires 50% or more of the outstanding shares of Common Stock of the Company.

"**Person**" means an individual or corporation, partnership, trust, incorporated or unincorporated association, joint venture, limited liability company, joint stock company, government (or an agency or subdivision thereof) or other entity of any kind.

"Preferred Stock" means the preferred stock of the Company, par value \$0.0001 per share.

"**Preferred Stock Equivalents**" means any securities of the Company or the Subsidiaries which would entitle the holder thereof to acquire at any time shares of Series J Preferred Stock, including, without limitation, any debt, preferred shares, right, option, warrant or other instrument that is at any time convertible into or exercisable or exchangeable for, or otherwise entitles the holder thereof to receive, shares of Preferred Stock, other than shares of Series J Preferred Stock payable in-kind as dividends pursuant to the Series J Certificate of Designations.

"**Registration Statement**" means the Company's registration statement on Form S-1, as amended (File No. 333-274610) which was filed with the Commission and became effective on [], 2023.

"Securities Act" means the Securities Act of 1933, as amended, and the rules and regulations promulgated thereunder.

"Securities Purchase Agreement" means that certain securities purchase agreement, dated [], 2023, among the Company and the purchasers signatory thereto.

"Registration Statement" means the registration statement on Form S-1 filed with the Commission (File No. 333-274610), including any registration statement prepared and filed by the Company in accordance with Rule 462(b) pursuant to the Securities Act).

"Series J Certificate of Designation" means the Certificate of Designation of Preferences, Rights and Limitations of Series J Preferred Stock of the Company.

"Series J Preferred Stock" means Series J Convertible Redeemable Preferred Stock of the Company, par value \$0.0001 per share, issued and issuable pursuant to the Series J Certificate of Designation and (ii) any capital stock into which such Series J Convertible Redeemable Preferred Stock shall have been changed or any share capital resulting from a reclassification of such Series J Convertible Redeemable Preferred Stock.

"Subsidiary" means any subsidiary of the Company, which is actively engaged in a trade or business, and shall, where applicable, also include any direct or indirect subsidiary of the Company formed or acquired after the date hereof.

"Successor Entity" means the Person (or, if so elected by the Holder, the Parent Entity) formed by, resulting from or surviving any Fundamental Transaction or the Person (or, if so elected by the Holder, the Parent Entity) with which such Fundamental Transaction shall have been entered into.

"Trading Day" means a day on which the Common Stock is traded on a Trading Market.

"**Trading Market**" means any of the following markets or exchanges on which the Common Stock is listed or quoted for trading on the date in question: the NYSE American, the Nasdaq Capital Market, the Nasdaq Global Market, the Nasdaq Global Select Market or the New York Stock Exchange (or any successors to any of the foregoing).

"Transfer Agent" means Equiniti Trust Company, LLC, the current transfer agent of the Company, and any successor transfer agent of the Company.

Section 2. Exercise.

(a) Exercise of Warrant. Subject to the provisions of Section 2(e) hereof, exercise of the purchase rights represented by this Warrant may be made, in whole or in part, at any time or times on or after the Initial Exercise Date and prior to 5:00 p.m. (New York City time) on the Termination Date by delivery to the Warrant Agent and the Company of a duly executed PDF copy submitted by e-mail (or e-mail attachment) of the Notice of Exercise in the form annexed hereto (the "Notice of Exercise"). Within the earlier of (i) two (2) Trading Days and (ii) the number of Trading Days comprising the Standard Settlement Period (as defined in Section 2(d)(i) herein) following the date of exercise as aforesaid, the Holder shall deliver the aggregate Exercise Price for the Preferred Warrant Shares specified in the applicable Notice of Exercise by wire transfer or cashier's check drawn on a United States bank. Neither the Company nor the Warrant Agent shall have any obligation to inquire with respect to or otherwise confirm the authenticity of the signature(s) contained on any Notice of Exercise nor the authority of the person so executing such Notice of Exercise. No ink original Notice of Exercise shall be required nor shall any medallion guarantee (or other type of guarantee or notarization) of any Notice of Exercise be required. Notwithstanding anything herein to the contrary, the Holder shall not be required to physically surrender this Warrant to the Company or the Warrant Agent until the Holder has subscribed for all of the Preferred Warrant Shares available hereunder and the Warrant has been exercised in full, in which case, the Holder shall surrender this Warrant to the Warrant Agent for cancellation within three (3) Trading Days after the date on which the final Notice of Exercise is delivered to the Company. Partial exercises of this Warrant resulting in subscriptions for a portion of the total number of Preferred Warrant Shares available hereunder shall have the effect of lowering the outstanding number of Preferred Warrant Shares issuable hereunder in an amount equal to the applicable number of Preferred Warrant Shares subscribed for. The Holder and the Warrant Agent shall maintain records showing the number of Preferred Warrant Shares subscribed for and the date of such purchase. The Company shall deliver to the Holder and Warrant Agent any objection to any Notice of Exercise within one (1) Business Day of receipt of such notice. The Holder and any assignee, by acceptance of this Warrant, acknowledge and agree that, by reason of the provisions of this paragraph, following the purchase for a portion of the Preferred Warrant Shares hereunder, the number of Preferred Warrant Shares available for purchase hereunder at any given time may be less than the amount stated on the face hereof.

Notwithstanding the foregoing in this Section 2(a), a holder whose interest in this Warrant is a beneficial interest in certificate(s) representing this Warrant held in book-entry form through DTC (or another established clearing corporation performing similar functions), shall effect exercises made pursuant to this Section 2(a) by delivering to DTC (or such other clearing corporation, as applicable) the appropriate instruction form for exercise, complying with the procedures to effect exercise that are required by DTC (or such other clearing corporation, as applicable), subject to a Holder's right to elect to receive a Warrant in certificated form pursuant to the terms of the Warrant Agency Agreement, in which case this sentence shall not apply.

(b) <u>Exercise Price</u>. The exercise price per [] share of Series J Preferred Stock under this Warrant shall be **\$[]**, subject to adjustment hereunder (the "<u>Exercise Price</u>").

(c) [Reserved].

(d) Mechanics of Exercise.

(i) Delivery of Preferred Warrant Shares Upon Exercise. The Company shall cause the Preferred Warrant Shares purchased hereunder to be transmitted by the Transfer Agent to the Holder by crediting the account of the Holder's or its designee's balance account with DTC through its Deposit or Withdrawal at Custodian system ("DWAC") if the Company is then a participant in such system and there is an effective registration statement permitting the issuance of the Preferred Warrant Shares to the Holder, and otherwise by physical delivery of a certificate, registered in the Company's share register in the name of the Holder or its designee, for the number of Preferred Warrant Shares to which the Holder is entitled pursuant to such exercise to the address specified by the Holder in the Notice of Exercise by the date that is the earliest of (i) two (2) Trading Days after the delivery to the Company and the Warrant Agent of the Notice of Exercise, provided that payment of the aggregate Exercise Price is received by the Warrant Agent one (1) Trading Day prior to such second Trading Day after the delivery of the Notice of Exercise, (ii) one (1) Trading Day after delivery of the aggregate Exercise Price to the Warrant Agent and (iii) the number of Trading Days comprising the Standard Settlement Period after the delivery to the Company and Warrant Agent of the Notice of Exercise, provided that payment of the aggregate Exercise Price is received by the Warrant Agent one (1) Trading Day prior to such second Trading Day after the delivery of the Notice of Exercise (such date, the "Warrant Share Delivery Date" and such conditions, the "Exercise Conditions"). For the purposes of Regulation SHO under the Exchange Act, upon delivery of the Notice of Exercise, the Holder shall be deemed for all corporate purposes to have become the holder of record of the Preferred Warrant Shares with respect to which this Warrant has been exercised, irrespective of the date of delivery of the Preferred Warrant Shares, provided that payment of the aggregate Exercise Price is received within the earlier of (i) two (2) Trading Days and (ii) the number of Trading Days comprising the Standard Settlement Period following delivery of the Notice of Exercise. If the Company fails for any reason to deliver or cause the delivery to the Holder the Preferred Warrant Shares subject to a Notice of Exercise by the Warrant Share Delivery Date, the Company shall pay to the Holder, in cash, as liquidated damages and not as a penalty, for each \$1,000 of Preferred Warrant Shares subject to such exercise (based on the stated value of the Series J Preferred Stock, as set forth in the Series J Certificate of Designation), \$10.00 per Trading Day (increasing to \$20.00 per Trading Day on the fifth Trading Day after the Warrant Share Delivery Date) for each Trading Day after such Warrant Share Delivery Date until such Preferred Warrant Shares are delivered or the Holder rescinds such exercise; provided, however, that the Holders may convert the Preferred Warrant Shares into shares of Common Stock in accordance with the terms of the Series J Certificate of Designation at any time, at the option of the Holder, following its satisfaction of the applicable Exercise Conditions (such conversion, a "Forced Conversion"). In the event of a Forced Conversion, the liquidated damages referred to in the preceding sentence shall cease to accrue under this Warrant on the date that shares of Common Stock are delivered to the Holder pursuant to the Series J Certificate of Designation. The Company agrees to maintain a transfer agent that is a participant in the FAST program so long as this Warrant remains outstanding and exercisable. As used herein, "Standard Settlement Period" means the standard settlement period, expressed in a number of Trading Days, on the Company's primary Trading Market as in effect on the date of delivery of the Notice of Exercise. In addition, notwithstanding the foregoing, a Holder may convert the shares of Series J Preferred Stock subject to the Notice of Exercise into Conversion Shares (as defined in the Series J Certificate of Designation) pursuant to the Series J Certificate of Designation by simultaneously delivering the Notice of Exercise and a Notice of Conversion (as defined in the Series J Certificate of Designation) to the Company thereunder, and upon the delivery of said Notice of Conversion, the Company shall deliver, or cause to be delivered, to the converting Holder the applicable number of Conversion Shares subject to the Notice of Conversion by the Share Delivery Date (as defined in the Series J Certificate of Designation).

(ii) <u>Delivery of New Warrants Upon Exercise</u>. If this Warrant shall have been exercised in part, the Company shall, at the request of a Holder and upon surrender of this Warrant certificate, at the time of delivery of the Preferred Warrant Shares, cause the Warrant Agent to deliver to the Holder a new Warrant evidencing the rights of the Holder to subscribe for the unsubscribed for Preferred Warrant Shares called for by this Warrant, which new Warrant shall in all other respects be identical with this Warrant.

(iii) <u>Rescission Rights and Forced Conversion</u>. If the Company fails to cause the Transfer Agent to transmit to the Holder the Preferred Warrant Shares pursuant to Section 2(d)(i) by the Warrant Share Delivery Date, then the Holder will have the right to rescind such exercise or effect a Forced Conversion by delivering written notice to the Company at any time prior to the delivery of such Preferred Warrant Shares (in which case any liquidated damages payable under Section 2(d)(i) shall no longer be payable).

(iv) Compensation for Buy-In on Failure to Timely Deliver Preferred Warrant Shares Upon Exercise. In addition to any other rights available to the Holder, if the Company fails to cause the Transfer Agent to transmit to the Holder the Preferred Warrant Shares in accordance with the provisions of Section 2(d)(i) above pursuant to an exercise on or before the Warrant Share Delivery Date (so long as the Company has provided wire transfer instructions to the Holder on Company letterhead signed by an executive officer of the Company, other than as a result of failure of the Holder to timely deliver the aggregate Exercise Price or a failure that is solely due to any action or inaction by the Holder with respect to such exercise), and if after such date the Holder is required by its broker to purchase (in an open market transaction or otherwise) or the Holder's brokerage firm otherwise purchases, shares of Series J Preferred Stock to deliver in satisfaction of a sale by the Holder of the Preferred Warrant Shares which the Holder anticipated receiving upon such exercise (a "Buy-In"), then the Company shall (A) pay in cash to the Holder the amount, if any, by which (x) the Holder's total purchase price (including brokerage commissions, if any) for the shares of Series J Preferred Stock so purchased exceeds (y) the amount obtained by multiplying (1) the number of Preferred Warrant Shares that the Company was required to deliver to the Holder in connection with the exercise at issue times (2) the price at which the sell order giving rise to such purchase obligation was executed, and (B) at the option of the Holder, either reinstate the portion of the Warrant and equivalent number of Preferred Warrant Shares for which such exercise was not honored (in which case such exercise shall be deemed rescinded) or deliver to the Holder the number of shares of Series J Preferred Stock that would have been issued had the Company timely complied with its exercise and delivery obligations hereunder. For example, if the Holder purchases shares of Series J Preferred Stock having a total purchase price of \$11,000 to cover a Buy-In with respect to an attempted exercise of this Warrant to subscribe for shares of Series J Preferred Stock with an aggregate exercise price giving rise to such purchase obligation of \$10,000, under clause (A) of the immediately preceding sentence the Company shall be required to pay the Holder \$1,000. The Holder shall provide the Company written notice indicating the amounts payable to the Holder in respect of the Buy-In and, upon request of the Company, evidence of the amount of such loss. Nothing herein shall limit a Holder's right to pursue any other remedies available to it hereunder, at law or in equity including, without limitation, a decree of specific performance and/or injunctive relief with respect to the Company's failure to timely deliver shares of Series J Preferred Stock upon exercise of the Warrant as required pursuant to the terms hereof.

(v) <u>No Fractional Shares or Scrip</u>. Notwithstanding any provision to the contrary contained in this Warrant, the Company shall not be required to issue any fraction of a Preferred Warrant Shares or scrip representing fractional shares of Preferred Warrant Shares upon the exercise of this Warrant. As to any fraction of a share which the Holder would otherwise be entitled to purchase upon such exercise, the Company shall pay a cash adjustment in respect of such final fraction in an amount equal to such fraction multiplied by the stated value of the Series J Preferred Stock, as set forth in the Series J Certificate of Designation. Accordingly, a Holder is entitled to exercise a number of Warrants that would solely result in the Holder receiving one or more whole Warrant Shares.

(vi) <u>Charges, Taxes and Expenses</u>. Issuance of Preferred Warrant Shares shall be made without charge to the Holder for any issue or transfer tax or other incidental expense in respect of the issuance of such Preferred Warrant Shares, all of which taxes and expenses shall be paid by the Company, and such Preferred Warrant Shares shall be issued in the name of the Holder or in such name or names as may be directed by the Holder; <u>provided, however</u>, that in the event that Preferred Warrant Shares are to be issued in a name other than the name of the Holder, this Warrant when surrendered for exercise shall be accompanied by the Assignment Form attached hereto duly executed by the Holder and the Company may require, as a condition thereto, the payment of a sum sufficient to reimburse it for any transfer tax incidental thereto; and (ii) the Company shall use its best efforts to pay, or procure payment of issue or stamp taxes levied in connection with the issuance of the Warrant or Preferred Warrant Shares to the Holder ("<u>Relevant Taxes</u>"). The Holder agrees to cooperate with the Company and provide all necessary and reasonable information and documentation to the Company in a timely manner (and in any event within 10 Business Days of request) to enable the Company to procure payment of any Relevant Taxes and facilitate the making of any necessary filings in respect of Relevant Taxes required to be made within applicable time limits. The Company shall not be liable for any Relevant Taxes or any penalty, fine, surcharge, interest, charge, cost or other similar imposition arising in respect of Relevant Taxes to the extent that such amount arises or is increased as a result of any failure by a Holder to timely provide the Company with any information or documentation reasonably requested pursuant to this Section 2(d)(vi). The Company shall pay all Transfer Agent fees required for processing of any Notice of Exercise and all fees to DTC (or another established clearing corporation performing similar functions) required

(vii) <u>Closing of Books</u>. The Company will not close its stockholder books or records in any manner which prevents the timely exercise of this Warrant, pursuant to the terms hereof.

- (e) [Reserved].
- (f) [Reserved].

Section 3. Certain Adjustments.

(a) <u>Share Dividends and Splits</u>. If the Company, at any time while this Warrant is outstanding: (i) pays a share dividend or otherwise makes a distribution or distributions on its Series J Preferred Stock or any other security of the Company that may be converted into Series J Preferred Stock (which, for avoidance of doubt, shall not include any shares of Series J Preferred Stock issued by the Company upon exercise of this Warrant and shall not include any of the dividends to be paid to holders of shares of Series J Preferred Stock pursuant to Section 3 of the Series J Preferred Stock Certificate of Designation), (ii) subdivides outstanding shares of Series J Preferred Stock into a larger number of shares, (iii) combines (including by way of reverse share split) outstanding shares of Series J Preferred Stock into a smaller number of shares, or (iv) issues by reclassification of shares of Series J Preferred Stock any share capital of the Company, then in each case the Exercise Price shall be multiplied by a fraction of which the numerator shall be the number of shares of Series J Preferred Stock outstanding immediately after such event, and the number of shares issuable upon exercise of this Warrant shall be proportionately adjusted such that the aggregate Exercise Price of this Warrant shall remain unchanged. Any adjustment made pursuant to this Section 3(a) shall become effective immediately after the record date for the determination of stockholders entitled to receive such dividend or distribution and, in the case of a subdivision, combination or re-classification, shall become effective immediately after the effective immediately after the effective date of such subdivision, combination or re-classification, shall become effective immediately after the effective immediately after the effective date of such

(b) [Reserved].

(c) <u>Subsequent Rights Offerings</u>. In addition to any adjustments pursuant to Section 3(a) above, if at any time that this Warrant is outstanding the Company grants, issues or sells any Preferred Stock Equivalents or rights to purchase shares, warrants, securities or other property pro rata to all of the record holders of the Series J Preferred Stock (the "<u>Purchase Rights</u>"), then the Holder will be entitled to acquire, upon the terms applicable to such Purchase Rights, the aggregate Purchase Rights which the Holder could have acquired if the Holder had held the number of shares of Series J Preferred Stock acquirable upon complete exercise of this Warrant (without regard to any limitations on exercise hereof, including without limitation, the Beneficial Ownership Limitation) immediately before the record date for the grant, issuance or sale of such Purchase Rights, or, if no such record date is established, the date as of which the record holders of shares of Series J Preferred Stock are to be determined for the grant, issue or sale of such Purchase Rights.

(d) Pro Rata Distributions. During such time as this Warrant is outstanding, if the Company shall declare or make any dividend or other distribution of its assets (or rights to acquire its assets) to holders of shares of Series J Preferred Stock, by way of return of capital or otherwise (including, without limitation, any distribution of cash, share or other securities, property or options by way of a dividend, spin off, reclassification, corporate rearrangement, scheme of arrangement or other similar transaction) (except to the extent an adjustment was already made pursuant to Section 3(a)) (a "Distribution"), at any time after the issuance of this Warrant, then, in each such case, the Holder shall, subject to the terms of this Section 3(d), be entitled to participate in such Distribution to the same extent that the Holder would have participated therein if the Holder had held the number of shares of Series J Preferred Stock acquirable upon complete exercise of this Warrant immediately before the record date for such Distribution, or, if no such record date is established, the date as of which the record holders of shares of Series J Preferred Stock are to be determined for the participation in such Distribution. Any Distribution or Distributions to be paid to any Holder under this Section 3(d) shall be held in trust for the benefit of the Holder holding the Warrant at the time of exercise of the Warrant, and paid to such Holder only upon such exercise. In the event that this Warrant is not exercised, such Distribution held in trust for the benefit of the Holder shall be forfeited.

(e) Fundamental Transaction.

(i) <u>Fundamental Transactions</u>. If, at any time while this Warrant is outstanding, a Fundamental Transaction occurs, the Company shall cause any Successor Entity in a Fundamental Transaction in which the Company is not the survivor to assume in writing all of the obligations of the Company under this Warrant in accordance with the provisions of this Section 3(e) pursuant to written agreements prior to such Fundamental Transaction, including agreements to deliver to the Holder, at the Holder's option, in exchange for this Warrant a security of the Successor Entity evidenced by a written instrument substantially similar in form and substance to this Warrant, including, without limitation, which is exercisable for a corresponding number of shares of capital stock equivalent to the shares of Series J Preferred Stock acquirable and receivable upon exercise of this Warrant prior to such Fundamental Transaction, and with an exercise price which applies the exercise price hereunder to such shares of capital stock (but taking into account the relative value of the shares of Series J Preferred Stock pursuant to such Fundamental Transaction and the value of such shares of capital stock, such adjustments to the number of shares of capital stock and such exercise price being for the purpose of protecting the economic value of this Warrant immediately prior to the consummation of such Fundamental Transaction). Upon the occurrence of any such Fundamental Transaction, the Successor Entity shall succeed to, and be substituted for (so that from and after the date of such Fundamental Transaction, the provisions of this Warrant referring to the "Company" shall refer instead to the Successor Entity), and may exercise every right and power of the Company and shall assume all of the obligations of the Company under this Warrant with the same effect as if such Successor Entity had been named as the Company herein. In addition to and not in substitution for any other rights hereunder, prior to the consummation of each Fundamental Transaction pursuant to which holders of shares of Common Stock are entitled to receive securities or other assets with respect to or in exchange for shares of Common Stock (a "Corporate Event"), the Company shall make appropriate provision to ensure that the Holder will thereafter have the right to receive upon an exercise of this Warrant and conversion of the underlying Preferred Warrant Shares at any time after the consummation of the applicable Fundamental Transaction but prior to the Expiration Date, in lieu of the shares of the Common Stock (or other securities, cash, assets or other property) issuable upon the exercise of the Warrant and conversion of the underlying Preferred Warrant Shares prior to such Fundamental Transaction, such shares of stock or securities which the Holder would have been entitled to receive upon the happening of the applicable Fundamental Transaction had this Warrant been exercised and converted into Preferred Warrant Shares immediately prior to the applicable Fundamental Transaction (without regard to any limitations on the exercise of this Warrant).

(ii) The Company shall instruct the Warrant Agent in writing to mail, by first class mail, postage prepaid, to each Holder, written notice of the execution of any such amendment, supplement or agreement with the Successor Entity. Any supplemented or amended agreement entered into by the Successor Entity shall provide for adjustments, which shall be as nearly equivalent as may be practicable to the adjustments provided for in this Section 3(e). The Warrant Agent shall have no duty, responsibility or obligation to determine the correctness of any provisions contained in such agreement or such notice, including but not limited to any provisions relating either to the kind or amount of securities or other property receivable upon exercise of warrants or with respect to the method employed and provided therein for any adjustments, and shall be entitled to rely conclusively for all purposes upon the provisions contained in any such agreement. The provisions of this Section 3(e) shall similarly apply to successive reclassifications, changes, consolidations, mergers, sales and conveyances of the kind described above.

(f) <u>Calculations</u>. All calculations under this Section 3 shall be made by the Company to the nearest cent or the nearest 1/100th of a share, as the case may be. For purposes of this Section 3, the number of shares of Series J Preferred Stock deemed to be issued and outstanding as of a given date shall be the sum of the number of shares of Series J Preferred Stock (excluding treasury shares, if any) issued and outstanding.

(g) Notice to Holder.

(i) <u>Adjustment to Exercise Price</u>. Whenever the Exercise Price is adjusted pursuant to any provision of this Section 3, the Company shall promptly deliver to the Holder and to the Warrant Agent by facsimile or email a notice setting forth the Exercise Price after such adjustment and any resulting adjustment to the number of Preferred Warrant Shares and setting forth a brief statement of the facts requiring such adjustment; provided, however, that the Company may satisfy the notice requirement with respect to the Holder (but not the Warrant Agent) in this Section 3(g) by filing such information with the Commission on its EDGAR system pursuant to a Current Report on Form 8-K or Quarterly Report on Form 10-Q or Annual Report on Form 10-K.

(ii) Notice to Allow Exercise by Holder. If (A) the Company shall declare a dividend (or any other distribution in whatever form other than a stock split) on the Series J Preferred Stock, except for any recurring cash dividend, (B) the Company shall declare a special nonrecurring cash dividend on or a redemption of the Series J Preferred Stock (excluding any granting or issuance of rights to all of the Company's stockholders pursuant to a stockholder rights plan), (C) the Company shall authorize the granting to all holders of the Series J Preferred Stock rights or warrants to subscribe for or purchase any shares of capital stock of any class or of any rights, (D) the approval of any stockholders of the Company shall be required in connection with any reclassification of the Series J Preferred Stock other than a reverse stock split, any consolidation or merger to which the Company (and its Subsidiaries, taken as a whole) is a party, any sale or transfer of all or substantially all of the assets of the Company, or any compulsory share exchange whereby the Series J Preferred Stock is converted into other securities, cash or property, or (E) the Company shall authorize the voluntary or involuntary dissolution, liquidation or winding up of the affairs of the Company, then, in each case, the Company shall cause to be delivered by facsimile or email to the Holder at its last facsimile number or email address as it shall appear upon the Warrant Register of the Company, at least five (5) calendar days prior to the applicable record or effective date hereinafter specified, (unless such information is filed with the Commission on its EDGAR system in which case a notice shall not be required) a notice stating (x) the date on which a record is to be taken for the purpose of such dividend, distribution, redemption, rights or warrants, or if a record is not to be taken, the date as of which the holders of the Series J Preferred Stock of record to be entitled to such dividend, distributions, redemption, rights or warrants are to be determined or (y) the date on which such reclassification, consolidation, merger, sale, transfer or share exchange is expected to become effective or close, and the date as of which it is expected that holders of the Series J Preferred Stock of record shall be entitled to exchange their shares of Series J Preferred Stock for securities, cash or other property deliverable upon such reclassification, consolidation, merger, sale, transfer or share exchange; provided that the failure to deliver such notice or any defect therein or in the delivery thereof shall not affect the validity of the corporate action required to be specified in such notice. To the extent that any notice provided in this Warrant constitutes, or contains, material, non-public information regarding the Company or any of the Subsidiaries, the Company shall simultaneously file such notice with the Commission pursuant to a Current Report on Form 8-K. The Holder shall remain entitled to exercise this Warrant during the period commencing on the date of such notice to the effective date of the event triggering such notice except as may otherwise be expressly set forth herein.

Section 4. Transfer of Warrant.

(a) <u>Transferability</u>. This Warrant and all rights hereunder are transferable, in whole or in part, upon surrender of this Warrant at the office of the Warrant Agent designated for such purpose, together with a written assignment of this Warrant substantially in the form attached hereto properly completed and duly executed by the Holder or its agent or attorney and funds sufficient to pay any transfer taxes payable upon the making of such transfer accompanied by reasonable evidence of authority of the party making such request that may be required by the Warrant Agent including but not limited to, the signature guarantee of a guarantor institution which is a participant in a signature guarantee program approved by the Securities Transfer Association. Upon such surrender and, if required, such payment, the Company shall execute and deliver a new Warrant or Warrants in the name of the assignee or assignees, as applicable, and in the denomination or denominations specified in such instrument of assignment, and shall issue to the assignor a new Warrant evidencing the portion of this Warrant not so assigned, and this Warrant to the Company unless the Holder has assigned this Warrant in full, in which case, the Holder shall not be required to physically surrender this Warrant to the Company unless of the date on which the Holder delivers an assignment form to the Company assigning this Warrant in full. The Warrant, if properly assigned in accordance herewith, may be exercised by a new holder for the purchase of Preferred Warrant Shares without having a new Warrant issued.

(b) <u>New Warrants</u>. If this Warrant is not held in global form through DTC, this Warrant may be divided or combined with other Warrants upon presentation hereof at the aforesaid office of the Company, together with a written notice specifying the names and denominations in which new Warrants are to be issued, signed by the Holder or its agent or attorney. Subject to compliance with Section 4(a) herein and [Section 2.1.5] of the Warrant Agency Agreement, as to any transfer which may be involved in such division or combination, the Company shall execute and deliver a new Warrant or Warrants in exchange for the Warrant or Warrants to be divided or combined in accordance with such notice. All Warrants issued on transfers or exchanges shall be dated the Issuance Date and shall be identical with this Warrant except as to the number of Preferred Warrant Shares issuable pursuant thereto.

(c) <u>Warrant Register</u>. The Warrant Agent shall register this Warrant, upon records to be maintained by the Warrant Agent for that purpose (the "<u>Warrant Register</u>"), in the name of the record Holder hereof from time to time. The Company and the Warrant Agent may deem and treat the registered Holder of this Warrant as the absolute owner hereof for the purpose of any exercise hereof or any distribution to the Holder, and for all other purposes, absent actual notice to the contrary. Notwithstanding the foregoing, nothing herein shall prevent the Warrant Agent or any agent of the Warrant Agent from giving effect to any written certification, proxy or other authorization furnished by DTC or any other depository governing the exercise of the rights of a holder of a beneficial interest in any Warrant. The rights of beneficial owners in a Warrant held in global shall be exercised by the Holder or a Participant (as defined in the Warrant Agency Agreement) through the depository's system, except to the extent expressly set forth in the Warrant Agency Agreement.

Section 5. <u>Registration Statement</u>. Following the Issuance Date, the Company is obligated to maintain an effective registration statement on Form S-1 (or other appropriate form) with the Commission covering the issuance of the Preferred Warrant Shares and shares of Common Stock issuable upon conversion of Preferred Warrant Shares until such time as no Warrants remain outstanding, unless there is available an exemption from, or a transaction not subject to, the registration requirements of the Securities Act that covers the issuance of Preferred Warrant Shares and shares of Common Stock issuable upon conversion of Preferred Warrant Shares.

Section 6. Miscellaneous.

(a) <u>No Rights as Stockholder Until Exercise; No Settlement in Cash</u>. This Warrant does not entitle the Holder to any voting rights, dividends or other rights as a stockholder of the Company prior to the exercise hereof as set forth in Section 2(d)(i), except as expressly set forth in Section 3.

(b) Loss, Theft, Destruction or Mutilation of Warrant. The Company covenants that upon receipt by the Company and the Warrant Agent of an affidavit of loss reasonably satisfactory to the Company and the Warrant Agent evidencing the loss, theft, destruction or mutilation of this Warrant or any share certificate relating to the Preferred Warrant Shares, and in case of loss, theft or destruction, of indemnity or security reasonably satisfactory to it and the Warrant Agent, and upon surrender and cancellation of such Warrant or share certificate, if mutilated, the Company will make and deliver a new Warrant or share certificate of like tenor and dated as of such cancellation, in lieu of such Warrant or share certificate.

(c) <u>Saturdays, Sundays, Holidays, etc</u>. If the last or appointed day for the taking of any action or the expiration of any right required or granted herein shall not be a Trading Day, then, such action may be taken or such right may be exercised on the next succeeding Trading Day.

(d) Authorized Shares. The Company covenants that, during the period the Warrant is outstanding, it will reserve a sufficient number of shares of authorized and unissued Series J Preferred Stock to provide for the issuance of securities upon the exercise of any subscription rights under this Warrant plus all dividends to be paid on any shares of Series J Preferred Stock outstanding. The Company further covenants that its issuance of this Warrant shall constitute full authority to its officers who are charged with the duty of issuing the necessary Preferred Warrant Shares upon the exercise of the subscription rights under this Warrant. The Company will take all such reasonable action as may be necessary to assure that such securities may be issued as provided herein without violation of any applicable law or regulation, or of any requirements of the Trading Market upon which the Common Stock may be listed. The Company covenants that all Preferred Warrant Shares which may be issued upon the exercise of the subscription rights represented by this Warrant will, upon exercise of the subscription rights represented by this Warrant and payment of the Exercise Price for such Preferred Warrant Shares in accordance herewith, be duly authorized, validly issued, fully paid and nonassessable and free from all taxes, liens and charges created by the Company in respect of the issue thereof (other than taxes in respect of any transfer occurring contemporaneously with such issue). Except and to the extent as waived or consented to by the holders of a majority of the then outstanding Warrants (based on the number of Preferred Warrant Shares underlying such Warrants), the Company shall not by any action, including, without limitation, amending its certificate of incorporation or through any reorganization, transfer of assets, consolidation, merger, dissolution, issue or sale of securities or any other voluntary action, avoid or seek to avoid the observance or performance of any of the terms of this Warrant, but will at all times in good faith assist in the carrying out of all such terms and in the taking of all such actions as may be necessary or appropriate to protect the rights of the Holder as set forth in this Warrant against impairment. Without limiting the generality of the foregoing, the Company will (i) not increase the par value of any Preferred Warrant Shares above the amount payable therefor upon such exercise immediately prior to such increase in par value, (ii) take all such action as may be necessary or appropriate in order that the Company may validly and legally issue fully paid and nonassessable Preferred Warrant Shares upon the exercise of this Warrant, and (iii) use commercially reasonable efforts to obtain all such authorizations, exemptions or consents from any public regulatory body having jurisdiction thereof, as may be, necessary to enable the Company to perform its obligations under this Warrant. Before taking any action which would result in an adjustment in the number of Preferred Warrant Shares for which this Warrant is exercisable or in the Exercise Price, the Company shall obtain all such authorizations or exemptions thereof, or consents thereto, as may be necessary from any public regulatory body or bodies having jurisdiction thereof.



(e) <u>Governing Law</u>. All questions concerning the construction, validity, enforcement and interpretation of this Warrant shall be governed by and construed and enforced in accordance with the internal laws of the State of New York, without regard to the principles of conflicts of law thereof.

(f) <u>Jurisdiction</u>. Each party agrees that all legal proceedings concerning the interpretations, enforcement and defense of the transactions contemplated by this Warrant (whether brought against a party hereto or their respective affiliates, directors, officers, stockholders, partners, members, employees or agents) shall be commenced exclusively in the state and federal courts sitting in the City of New York. Each party hereby irrevocably submits to the exclusive jurisdiction of the state and federal courts sitting in the City of New York. Each party hereby irrevocably submits to the exclusive jurisdiction of the state and federal courts sitting in the City of New York, Borough of Manhattan for the adjudication of any dispute hereunder or in connection herewith or with any transaction contemplated hereby or discussed herein, and hereby irrevocably waives, and agrees not to assert in any suit, action or proceeding, any claim that it is not personally subject to the jurisdiction of any such court, that such suit, action or proceeding is improper or is an inconvenient venue for such proceeding. Each party hereby irrevocably waives, to the fullest extent permitted by applicable law, any and all right to trial by jury in any legal proceeding arising out of or relating to this Warrant. As between a Holder and the Company, (i) each party irrevocably waives personal service of process and consents to process being served in any such suit, action or proceeding by mailing a copy thereof via registered or certified mail or overnight delivery (with evidence of delivery) to such party at the address in effect for notices to it under this Warrant and agrees that such service shall constitute good and sufficient service of process and notice thereof, (nothing contained herein shall be deemed to limit in any way any right to serve process in any other manner permitted by law), and (ii) if either party shall commence an action, suit or proceeding, nothing in this Warrant, the prevailing party in such action, suit or proceeding

(g) <u>Restrictions</u>. The Holder acknowledges that the Preferred Warrant Shares issuable upon the exercise of this Warrant, if not registered, will have restrictions upon resale imposed by state and federal securities laws.

(h) <u>Nonwaiver and Expenses</u>. No course of dealing or any delay or failure to exercise any right hereunder on the part of Holder shall operate as a waiver of such right or otherwise prejudice the Holder's rights, powers or remedies. Without limiting any other provision of this Warrant, if the Company willfully and knowingly fails to comply with any provision of this Warrant, which results in any material damages to the Holder, the Company shall pay to the Holder such amounts as shall be sufficient to cover any costs and expenses including, but not limited to, reasonable attorneys' fees, including those of appellate proceedings, incurred by the Holder in collecting any amounts due pursuant hereto or in otherwise enforcing any of its rights, powers or remedies hereunder.

(i) <u>Notices</u>. Any and all notices or other communications or deliveries to be provided by the Holders hereunder including, without limitation, any Notice of Exercise, shall be in writing and delivered personally, by facsimile, e-mail (other than to the Warrant Agent) or sent by a nationally recognized overnight courier service, addressed to:

Nuwellis, Inc. 12988 Valley View Road Eden Prairie, Minnesota 55344 Attention: Nestor Jaramillo, Jr. Email: nestor.jaramillo@nuwellis.com

Equiniti Trust Company, LLC 6201 15th Avenue Brooklyn, NY 11219 Attention: [Client Services]

or such other facsimile number, email address or address as the Company may specify for such purposes by notice to the Holders. Any and all notices or other communications or deliveries to be provided by the Company hereunder shall be in writing and delivered personally, by facsimile or e-mail, or sent by a nationally recognized overnight courier service addressed to each Holder at the facsimile number, e-mail address or address of such Holder appearing on the books of the Warrant Agent. Any notice or other communication or deliveries hereunder shall be deemed given and effective on the earliest of (a) the time of transmission, if such notice or communication is delivered via facsimile at the facsimile number or e-mail (or e-mail attachment) at the email address set forth on the signature pages attached hereto at or prior to 5:30 p.m. (New York City time) on a Trading Day, (b) the next Trading Day after the date of transmission, if such notice or communication is delivered via facsimile at the facsimile number or e-mail (or e-mail attachment) at the e-mail address as set forth on the signature pages attached hereto on a day that is not a Trading Day or later than 5:30 p.m. (New York City time) on any Trading Day, (c) the second (2nd) Trading Day following the date of mailing, if sent by U.S. nationally recognized overnight courier service or (d) upon actual receipt by the party to whom such notice is required to be given. To the extent that any notice provided hereunder constitutes, or contains, material, non-public information regarding the Company or any Subsidiaries, the Company shall simultaneously file such notice with the Commission pursuant to a Current Report on Form 8-K.

(j) <u>Limitation of Liability</u>. No provision hereof, in the absence of any affirmative action by the Holder to exercise this Warrant to purchase Preferred Warrant Shares, and no enumeration herein of the rights or privileges of the Holder, shall give rise to any liability of the Holder for the purchase price of any shares of Series J Preferred Stock or as a stockholder of the Company, whether such liability is asserted by the Company or by creditors of the Company.

(k) <u>Remedies</u>. The Holder, in addition to being entitled to exercise all rights granted by law, including recovery of damages, will be entitled to specific performance of its rights under this Warrant. The Company agrees that monetary damages would not be adequate compensation for any loss incurred by reason of a breach by it of the provisions of this Warrant and hereby agrees to waive and not to assert the defense in any action for specific performance that a remedy at law would be adequate.

(1) <u>Successors and Assigns</u>. Subject to applicable securities laws, this Warrant and the rights and obligations evidenced hereby shall inure to the benefit of and be binding upon the successors and permitted assigns of the Company and the successors and permitted assigns of Holder. The provisions of this Warrant are intended to be for the benefit of any Holder from time to time of this Warrant and shall be enforceable by the Holder or holder of Preferred Warrant Shares.

(m) <u>Amendment</u>. This Warrant may be modified or amended or the provisions hereof waived with the written consent of the Company, on the one hand, and the Holders of a majority of the Preferred Warrant Shares underlying the Warrants of the Company issued on the Closing Date that are outstanding as of such date.

(n) <u>Severability</u>. Wherever possible, each provision of this Warrant shall be interpreted in such manner as to be effective and valid under applicable law, but if any provision of this Warrant shall be prohibited by or invalid under applicable law, such provision shall be ineffective to the extent of such prohibition or invalidity, without invalidating the remainder of such provisions or the remaining provisions of this Warrant.

(o) <u>Headings</u>. The headings used in this Warrant are for the convenience of reference only and shall not, for any purpose, be deemed a part of this Warrant.

(p) <u>Warrant Agency Agreement</u>. This Warrant is issued subject to the Warrant Agency Agreement. To the extent any provision of this Warrant conflicts with the express provisions of the Warrant Agency Agreement, the provisions of this Warrant shall govern and be controlling; provided, however, that all provisions with respect to the rights, duties, obligations, protections, immunities and liability of the Warrant Agent only shall be determined and interpreted solely by the provisions of the Warrant Agency Agreement.

(Signature Page Follows)

IN WITNESS WHEREOF, the Company has caused this Warrant to be executed by its officer thereunto duly authorized as of the date first above indicated.

NUWELLIS, INC.

By:

Name: Nestor Jaramillo, Jr. Title: Chief Executive Officer

Dated: [____], 2023

Countersigned:

EQUINITI TRUST COMPANY, LLC, as Warrant Agent

By:

Name: Title:

NOTICE OF EXERCISE

TO: EQUINITI TRUST COMPANY, LLC

(1) The undersigned hereby elects to purchase ______ Preferred Warrant Shares of the Company pursuant to the terms of the attached Warrant (only required if exercised in full), and tenders herewith payment of the exercise price in full, together with all applicable transfer taxes, if any.

(2) Payment shall take the form of lawful money of the United States.

(3) Please issue said Preferred Warrant Shares in the name of the undersigned or in such other name as is specified below:

The Preferred Warrant Shares shall be delivered to the following DWAC Account Number:

DTC number: Account name: Account number:

[SIGNATURE OF HOLDER]

Name of Investing Entity: Signature of Authorized Signatory of Investing Entity: Name of Authorized Signatory: Title of Authorized Signatory: Date:

EXHIBIT A ASSIGNMENT FORM

(To assign the foregoing Warrant, execute this form and supply required information. Do not use this form to purchase shares.)

FOR VALUE RECEIVED, the foregoing Warrant and all rights evidenced thereby are hereby assigned to

Name:

Address:

(Please Print)

(Please Print)

Phone Number:	
Email Address:	
Dated:	,
Holder's Signature:	
Holder's Address:	

(Holder's signature must conform in all respects to the name of the Holder and must bear a signature guarantee by an Eligible Guarantor Institution (as that term is defined in Rule 17Ad-15 of the Securities Exchange Act of 1934, as amended).

HONIGMAN.

(269) 337-7700 Fax: (269) 337-7701

September 29, 2023

Nuwellis, Inc. 12988 Valley View Road Eden Prairie, Minnesota 55344

Re: **Registration Statement on Form S-1**

Ladies and Gentlemen:

We have acted as counsel to Nuwellis, Inc., a Delaware corporation (the "Company"), in connection with the preparation and filing with the Securities and Exchange Commission (the "Commission") pursuant to the Securities Act of 1933, as amended (the "Securities Act"), of a Registration Statement on Form S-1 (File No. 333-274610) dated September 20, 2023 (as the same may be amended from time to time, the "Registration Statement"), relating to the registration by the Company of the offer and sale of up to (i) 400,000 units ("Units"), consisting of (A) 400,000 shares (the "Shares") of the Company's Series J Convertible Redeemable Preferred Stock, par value \$0.0001 per share (the "Series J Convertible Preferred Stock") and (B) 400,000 warrants (the "Warrants") to purchase 200,000 shares of Series J Convertible Preferred Stock (the "Warrant Shares"), (ii) 9,803,922 shares of the Company's common stock, par value \$0.0001 per share (the "Common Stock"), issuable upon conversion of the Shares and the Warrant Shares (the "Conversion Shares"), and (iii) Warrant Shares issuable upon exercise of the Warrants. The Warrants are being issued pursuant to the terms of that certain warrant agency agreement (the "Warrant Agency Agreement") to be entered into by and among the Company and Equiniti Trust Company, LLC (the "Warrant Agent"), the form of which Warrant Agency Agreement has been filed as Exhibit 10.68 to the Registration Statement.

The Company is also registering under the Registration Statement the issuance of up to an additional 967,821 shares of Series J Convertible Preferred Stock ("PIK Dividend Shares") that are issuable as paid in-kind dividends ("PIK dividends") and the 15,814,071 shares of Common Stock issuable upon conversion of the PIK Dividend Shares (the "PIK Conversion Shares"). The Units, including the Shares and Warrants comprising such Units, are to be sold by the Company as described in the Registration Statement and/or pursuant to a securities purchase agreement (the "Securities Purchase Agreement") to be entered into by and between the Company, and the purchasers signatory thereto, the form of which has been, or will be, filed as Exhibit 10.69 to the Registration Statement. Pursuant to the Certificate of Designation, the form of which has been, or will be, filed as Exhibit 3.13 to the Registration Statement (the "Certificate of Designation"), establishing the powers, designations, preferences and rights of the Series J Convertible Preferred Stock to be filed in connection with the offering contemplated by the Registration Statement and the Company's Fourth Amended and Restated Certificate of Incorporation, as amended (the "Certificate of Incorporation"), the shares of the Series J Convertible Preferred Stock will be convertible into shares of Common Stock. We have assumed that the sale of the Units, including the Shares of Series J Convertible Preferred Stock and Warrants comprising such Units, as described in the Registration Statement by the Company, the exercise price of the Warrants and the conversion of the Shares of Series J Convertible Preferred Stock included in the Units or issuable upon exercise of the Warrants included in the Units into Common Stock, and the issuance and sale of the PIK Dividend Shares as PIK dividends and the conversion of the PIK Dividend Shares into Common Stock, will be at prices established by the Board of Directors of the Company or a duly-formed Pricing Committee thereof no less than the minimum prices authorized by the Board of Directors as of the date hereof in accordance with the Delaware General Corporation Law. We have also assumed that, at the time of payment of the PIK dividends in kind by issuing PIK Dividend Shares or exercise of the Warrants underlying the Units or conversion of the Shares of Series J Convertible Preferred Stock or the PIK Dividend Shares, (i) the underlying shares of Series J Convertible Preferred Stock or Common Stock, as applicable, will be properly delivered to the persons receiving such PIK Dividend Shares, exercising such Warrants or converting such Series J Convertible Preferred Stock, and (ii) the consideration for the issuance and sale of the Series J Convertible Preferred Stock or shares of Common Stock, as applicable, in connection with such issuance of PIK Dividend Shares, exercise of Warrants or conversion plus any purchase price for the applicable Warrant or share of Series J Convertible Preferred Stock is not less than the par value of the Series J Convertible Preferred Stock or Common Stock, as applicable. With respect to the shares of Series J Convertible Preferred Stock or Common Stock, as applicable, issuable upon payment of the PIK dividends in kind by issuing PIK Dividend Shares or exercise of the Warrants underlying the Units or conversion of the Shares of Series J Convertible Preferred Stock included in the Units, issuable upon exercise of the Warrants or issuable as PIK dividends in kind, we express no opinion to the extent that, notwithstanding the Company's reservation of shares of Series J Convertible Preferred Stock or Common Stock, as applicable, future issuances of securities of the Company, including (i) the shares of Series J Convertible Preferred Stock issuable upon payment of the PIK dividends in kind by issuing PIK Dividend Shares or exercise of the Warrants included in the Units or (ii) the shares of Common Stock issuable upon conversion of shares of Series J Convertible Preferred Stock included in the Units, issuable upon exercise of the Warrants included in the Units or issuable in PIK dividends as PIK Dividend Shares, may (a) cause the shares of Series J Convertible Preferred Stock included in the Units, issuable upon exercise of Warrants or issuable in PIK dividends as PIK Dividend Shares to be convertible into, more shares of Common Stock than the number that then remain authorized but unissued and available for issuance or (b) cause the shares of Series J Convertible Preferred Stock issuable as PIK Dividend Shares or exercise of Warrants included in the Units to exceed the number of shares of Series J Convertible Preferred Stock that then remain authorized but unissued and available for issuance.

HONIGMAN

September 29, 2023 Page 2

For the purpose of rendering this opinion, we examined originals or copies of such documents as we deemed relevant. In conducting our examination, we assumed, without investigation, the genuineness of all signatures, the correctness of all certificates, the authenticity of all documents submitted to us as originals, the conformity to original documents of all documents submitted as certified or photostatic copies, and the authenticity of the originals of such copies, and the accuracy and completeness of all records made available to us by the Company, including, but not limited to, the Certificate of Incorporation, including the Certificate of Designation, the Warrants, the Securities Purchase Agreement and the Warrant Agency Agreement. In addition, in rendering this opinion, we have assumed that the Units (including the Shares of Series J Convertible Preferred Stock underlying the Warrants, the shares of Common Stock issuable upon conversion of any of the foregoing shares of Series J Convertible Preferred Stock, the PIK Dividend Shares and the PIK Conversion Shares, will be offered in the manner and on the terms identified or referred to in the Registration Statement, including all supplements and amendments thereto, the Securities Purchase Agreement and the Warrant Agency Agreement. As to various questions of fact material to such opinions, we have relied upon statements or certificates of officials and representatives of the Company and others.

Our opinions are limited solely to matters set forth herein. The law covered by the opinions expressed herein is limited to New York law applicable to contracts and the Delaware General Corporate Law. We express no opinion as to whether the laws of any particular jurisdiction are applicable to the subject matter hereof. We are not rendering any opinion with respect to federal law, including federal securities laws, or state blue sky securities laws.

With regard to our opinions concerning the Units and Warrants, constituting valid and binding obligations of the Company:

1. Our opinions are subject to, and may be limited by, (a) applicable bankruptcy, reorganization, insolvency, moratorium, fraudulent transfer, voidable transaction, fraudulent conveyance, debtor and creditor, and other laws which relate to or affect creditors' rights generally, and (b) general principles of equity (including, without limitation, concepts of materiality, reasonableness, good faith and fair dealing) regardless of whether considered in a proceeding in equity or at law.

2. Our opinions are subject to the qualification that the availability of specific performance, an injunction or other equitable remedies is subject to the discretion of the court before which the request is brought.

3. We express no opinion as to any provision of the Series J Convertible Preferred Stock or Warrants that: (a) provides for liquidated damages, buy-in damages, monetary penalties, prepayment or make-whole payments or other economic remedies to the extent such provisions may constitute unlawful penalties, (b) relates to advance waivers of claims, defenses, rights granted by law, or notice, opportunity for hearing, evidentiary requirements, statutes of limitations, trial by jury, or procedural rights, (c) restricts non-written modifications and waivers, (d) provides for the payment of legal and other professional fees where such payment is contrary to law or public policy, (e) relates to exclusivity, election or accumulation of rights or remedies, (f) authorizes or validates conclusive or discretionary determinations, or (g) provides that provisions of the Warrants are severable to the extent an essential part of the agreed exchange is determined to be invalid and unenforceable.

HONIGMAN

September 29, 2023 Page 3

4. We express no opinion as to whether a state court outside of the State of New York or a federal court of the United States would give effect to the choice of New York law or jurisdiction provided for in the Warrants.

Based on the foregoing, we are of the opinion that:

1. The Units covered by the Registration Statement, when the Certificate of Designation has been properly filed with the Delaware Secretary of State and when offered, sold, issued and delivered by the Company as described in the Registration Statement and the related prospectus and in accordance with, and in the manner set forth in, the Securities Purchase Agreement (including, without limitation, the payment in full of all applicable consideration therefor), against payment therefor, will constitute binding obligations of the Company.

2. When the Certificate of Designation has been properly filed with the Delaware Secretary of State and the Shares of Series J Convertible Preferred Stock covered by the Registration Statement have been offered, sold, issued and delivered by the Company as described in the Registration Statement and the related prospectus and in accordance with, and in the manner set forth in, the Securities Purchase Agreement (including, without limitation, the payment in full of all applicable consideration therefor), against payment therefor, such Shares of Series J Convertible Preferred Stock covered by the Registration Statement will be validly issued, fully paid and non-assessable.

3. When the Certificate of Designation has been properly filed with the Delaware Secretary of State and the Warrants covered by the Registration Statement and included in the Units have been offered, sold, issued, duly executed and delivered by the Company as described in the Registration Statement and the related prospectus and in accordance with, and in the manner set forth in, the Securities Purchase Agreement, the terms of the Warrants and the Warrant Agency Agreement (including, without limitation, the payment in full of all applicable consideration therefor), against payment therefor, such Warrants issued as part of the Units will constitute binding obligations of the Company.

4. The shares of Common Stock covered by the Registration Statement and issuable upon conversion of the shares of Series J Convertible Preferred Stock included in the Units or issuable upon exercise of the Warrants included in the Units, when the Certificate of Designation has been properly filed with the Delaware Secretary of State and when they and such shares of Series J Convertible Preferred Stock and Warrants are offered, sold, issued and delivered by the Company and such shares of Series J Convertible Preferred Stock are validly converted as described in the Registration Statement and the related prospectus and in accordance with, and in the manner set forth in, the Securities Purchase Agreement, the Warrants, the Warrant Agency Agreement and the Company's Certificate of Incorporation, including the Certificate of Designation (including, without limitation, the payment in full of all applicable consideration therefor, including the purchase price for such shares of Series J Convertible Preferred Stock, and the issuance and delivery to the persons converting such shares of Series J Convertible Preferred Stock of the underlying shares of Common Stock), against payment therefor, will be validly issued, fully paid and non-assessable.

5. The shares of Series J Convertible Preferred Stock covered by the Registration Statement and issuable upon exercise of the Warrants included in the Units, when the Certificate of Designation has been properly filed with the Delaware Secretary of State and when they and such Warrants are offered, sold, issued and delivered by the Company and such Warrants are validly exercised as described in the Registration Statement and the related prospectus and in accordance with, and in the manner set forth in, the Securities Purchase Agreement, the Warrant Agency Agreement and such Warrants (including, without limitation, the payment in full of all applicable consideration therefor, including the purchase price for such Warrant and the exercise price of such Warrant, and the issuance and delivery to the persons exercising such Warrants of the underlying shares of Series J Convertible Preferred Stock), against payment therefor, will be validly issued, fully paid and non-assessable.

HONIGMAN.

September 29, 2023 Page 4

6. The PIK Dividend Shares of Series J Convertible Preferred Stock covered by the Registration Statement and issuable as PIK dividends, when the Certificate of Designation has been properly filed with the Delaware Secretary of State and when such PIK Dividend Shares are offered, sold, issued and delivered by the Company as described in the Registration Statement and the related prospectus and in accordance with, and in the manner set forth in, the Securities Purchase Agreement and the Company's Certificate of Incorporation, including the Certificate of Designation (including, without limitation, in exchange for the payment in full of the applicable PIK dividends), will be validly issued, fully paid and non-assessable.

7. The PIK Conversion Shares covered by the Registration Statement and issuable upon conversion of the PIK Dividend Shares , when the Certificate of Designation has been properly filed with the Delaware Secretary of State, they and such PIK Dividend Shares are offered, sold, issued and delivered by the Company and such PIK Dividend Shares are validly converted as described in the Registration Statement and the related prospectus and in accordance with, and in the manner set forth in, the Securities Purchase Agreement and the Company's Certificate of Incorporation, including the Certificate of Designation, (including, without limitation, the payment in full of all applicable consideration therefor, including the deemed purchase price for such shares of Series J Convertible Preferred Stock, and the issuance and delivery to the persons converting such PIK Dividend Shares of the underlying shares of Common Stock), will be validly issued, fully paid and non-assessable.

We hereby consent to the filing of this opinion as Exhibit 5.1 to the Registration Statement and to the reference to our firm under the caption "Legal Matters" in the Registration Statement. In giving such consent, we do not admit that we are within the category of persons whose consent is required by Section 7 of the Securities Act or the rules and regulations promulgated thereunder by the Commission. This opinion is expressed as of the date hereof, and we disclaim any undertaking to advise you of any subsequent changes in the facts stated or assumed herein or of any subsequent changes in applicable law.

Very truly yours,

<u>/s/ Honigman LLP</u> Honigman LLP

PDT/JMH/EAAL/HHS/RZK/GSWA

WARRANT AGENCY AGREEMENT

WARRANT AGENCY AGREEMENT (this "<u>Warrant Agency Agreement</u>") dated as of [____], 2023 (the "<u>Issuance Date</u>") between Nuwellis, Inc., a company incorporated under the laws of the State of Delaware (the "<u>Company</u>"), and Equiniti Trust Company, LLC, a New York limited liability company ("Equiniti") (the "<u>Warrant Agent</u>").

WHEREAS, pursuant to the terms of that certain placement agency agreement (the "<u>Placement Agency Agreement</u>"), dated [____], 2023, by and between the Company, Lake Street Capital Markets, LLC and Maxim Group LLC, the Company is engaged in a public offering (the "<u>Offering</u>") of (i) [___] units (the "<u>Units</u>"), with each Unit consisting of (A) [_] shares of the Company's Series J Convertible Redeemable Preferred Stock, par value \$0.0001 per share (the "<u>Series J Convertible Preferred Stock</u>"), and (B) [_] warrant (each a "<u>Warrant</u>" and collectively, the "<u>Warrants</u>") to purchase [_] shares of Series J Convertible Preferred Stock, (ii) the shares of Series J Convertible Preferred Stock issuable upon exercise of the Warrants (the "<u>Warrant</u>"), (iii) the shares of Series J Convertible Preferred Stock issuable upon the payment in-kind of dividends ("<u>PIK Dividends</u>"), and (iv) the shares of the Company's common stock, par value \$0.0001 per share (the "<u>Common Stock</u>"), issuable upon conversion of the shares of Series J Convertible Preferred Stock and the Warrant Shares (the "<u>Conversion Shares</u>").

WHEREAS, the Company has filed with the Securities and Exchange Commission (the "<u>Commission</u>") a Registration Statement on Form S-1 (File No. 333-274610) (as the same may be amended from time to time, the "<u>Registration Statement</u>"), for the registration under the Securities Act of 1933, as amended (the "<u>Securities Act</u>"), of the Units, the Series J Convertible Preferred Stock, the Warrant, the Warrant Shares, the PIK Dividends and the Conversion Shares, and such Registration Statement was declared effective on [____], 2023;

WHEREAS, on [____], 2023, the Company filed with the Delaware Secretary of State a Certificate of Designation of Preferences, Rights and Limitations (the "<u>Certificate of Designation</u>") that sets forth the terms of such Series J Convertible Preferred Stock, which includes a liquidation preference of \$25.00 per share ("<u>Stated Value</u>");

WHEREAS, the Company desires the Warrant Agent to act on behalf of the Company, and the Warrant Agent is willing to so act, in accordance with the terms set forth in this Warrant Agency Agreement in connection with the issuance, registration, transfer, exchange and exercise of the Warrants;

WHEREAS, the Company desires to provide for the provisions of the Warrants, the terms upon which they shall be issued and exercised, and the respective rights, limitation of rights, and immunities of the Company, the Warrant Agent, and the holders of the Warrants, as applicable; and

WHEREAS, all acts and things have been done and performed which are necessary to make the Warrants the valid, binding and legal obligations of the Company, and to authorize the execution and delivery of this Warrant Agency Agreement.

NOW, THEREFORE, in consideration of the mutual agreements herein contained, the parties hereto agree as follows:

1. <u>Appointment of Warrant Agent</u>. The Company hereby appoints the Warrant Agent to act as agent for the Company with respect to the Warrants in accordance with the express terms and conditions hereof, and the Warrant Agent hereby accepts such appointment and agrees to perform the same in accordance with the express terms and conditions set forth in this Warrant Agency Agreement (and no implied terms or conditions).

2. <u>Warrants</u>. The Warrants shall be registered securities in book-entry form and shall initially be evidenced by a global certificate in the form of <u>Exhibit A</u> (the "<u>Global Certificate</u>") attached to this Warrant Agency Agreement, which shall be deposited on behalf of the Company with a custodian for The Depository Trust Company ("<u>DTC</u>") and registered in the name of Cede & Co., a nominee of DTC. If DTC subsequently ceases to make its book-entry settlement system available for the Warrants, the Company shall instruct the Warrant Agent regarding making other arrangements for book-entry settlement. In the event that the Warrants are not eligible for, or it is no longer necessary to have the Warrants available in, book-entry form, the Company shall instruct the Warrant Agent to provide written instructions to DTC to deliver to the Warrant Agent for cancellation the Global Certificate or Certificates, and the Company shall instruct the Warrant Agent to deliver to DTC separate certificates evidencing Warrants ("<u>Definitive Certificates</u>" and, together with the Global Certificate, "<u>Warrant Certificates</u>") registered as requested through the DTC system. The Definitive Certificates, together with the form of election to purchase shares of Series J Convertible Preferred Stock (the "<u>Notice of Exercise</u>") and the form of assignment to be printed on the reverse thereof, shall be substantially in the form of <u>Exhibit B</u> attached hereto.

2.1. Issuance and Registration of Warrants.

2.1.1. <u>Warrant Register</u>. The Warrant Agent shall maintain books ("<u>Warrant Register</u>") for the registration of original issuance and the registration of transfer of the Warrants.

2.1.2. Issuance of Warrants. Upon the initial issuance of the Warrants, the Warrant Agent shall issue the Global Certificates and deliver the Warrants in the DTC book-entry settlement system in accordance with written instructions delivered to the Warrant Agent by the Company. Ownership of beneficial interests in the Warrants shall be shown on, and the transfer of such ownership shall be effected through, records maintained (i) by DTC and (ii) by institutions that have accounts with DTC (each, a "Participant"). A Holder has the right to elect at any time or from time to time a Warrant Exchange (as defined below) pursuant to a Warrant Certificate Request Notice (as defined below). Upon written notice by a Holder to the Warrant Agent and the Company for the exchange of some or all of such Holder's Warrants held in book-entry form for a Definitive Certificate evidencing the same number of Warrants, which request shall be in the form attached hereto as Annex A (such notice, the "Warrant Certificate Request Notice" and the date of delivery of such Warrant Certificate Request Notice by the Holder, the "Warrant Certificate Request Notice Date" and the actual surrender upon delivery by the Holder of a number of Warrants in the DTC book-entry settlement system for the same number of Warrants evidenced by a Definitive Certificate, a "Warrant Exchange"), the Warrant Agent shall, as promptly as practicable, effect the Warrant Exchange and the Company shall promptly issue and deliver (or cause to be delivered) to the Holder a Definitive Certificate for such number of Warrants in the name set forth in the Warrant Certificate Request Notice. Such Definitive Certificate shall be dated the original issue date of the Warrants and shall be executed manually or by facsimile signature by an authorized signatory of the Company and shall be in the form attached hereto as Exhibit B. In connection with a Warrant Exchange, the Company agrees to deliver, or to direct the Warrant Agent to deliver, the Definitive Certificate to the Holder within three (3) Trading Days of the Warrant Certificate Request Notice pursuant to the delivery instructions in the Warrant Certificate Request Notice ("Warrant Certificate Delivery Date"). If the Company fails for any reason to deliver or cause the delivery to the Holder the Definitive Certificate subject to the Warrant Certificate Request Notice by the Warrant Certificate Delivery Date, the Company shall pay to the Holder, in cash, as liquidated damages and not as a penalty, for each \$1,000 of Warrant Shares evidenced by such Definitive Certificate (based on the Stated Value of the Series J Convertible Preferred Stock, as set forth in the Certificate of Designation), of the Series J Convertible Preferred Stock on the Warrant Certificate Request Notice Date), \$10 per Trading Day (increasing to \$20 per Trading Day on the fifth Trading Day after the Warrant Share Delivery Date) for each Trading Day after such Warrant Certificate Delivery Date until such Definitive Certificate is delivered or, prior to delivery of such Warrant Certificate, the Holder rescinds such Warrant Exchange.

The Company covenants and agrees that, upon the date of delivery of the Warrant Certificate Request Notice, the Holder shall be deemed to be the holder of the Definitive Certificate and, notwithstanding anything to the contrary set forth herein, the Definitive Certificate shall be deemed for all purposes to contain all of the terms and conditions of the Warrants evidenced by such Definitive Certificate and the terms of this Warrant Agency Agreement. A party requesting a Warrant Exchange must provide to the Warrant Agent any evidence of authority that may reasonably be required by the Warrant Agent, including but not limited to, a signature guarantee. 2.1.3. <u>Beneficial Owner; Holder</u>. Prior to due presentment for registration of transfer of any Warrant, the Company and the Warrant Agent shall deem and treat the person in whose name that Warrant shall be registered on the Warrant Register (the "<u>Holder</u>") as the absolute owner of such Warrant for purposes of any exercise thereof, and for all other purposes, and neither the Company nor the Warrant Agent shall be affected by any notice to the contrary. Notwithstanding the foregoing, nothing herein shall prevent the Company, the Warrant Agent or any agent of the Company or the Warrant Agent from giving effect to any written certification, proxy or other authorization furnished by DTC governing the exercise of the rights of a holder of a beneficial interest in any Warrant. The rights of beneficial owners in a Warrant evidenced by the Global Certificate shall be exercised by the Holder or a Participant through the DTC system, except to the extent set forth herein or in the Global Certificate.

2.1.4. Execution. The Warrant Certificates shall be executed on behalf of the Company by any authorized officer of the Company (an "<u>Authorized Officer</u>"), which need not be the same authorized signatory for all of the Warrant Certificates, either manually or by facsimile signature. The Warrant Certificates shall be countersigned, either manually or by facsimile signature, by an authorized signatory of the Warrant Agent, which need not be the same signatory for all of the Warrant Certificates, and no Warrant Certificate shall be valid for any purpose unless so countersigned. In case any Authorized Officer of the Company that signed any of the Warrant Certificates ceases to be an Authorized Officer of the Company before countersignature by the Warrant Agent and issuance and delivery by the Company, such Warrant Certificates, nevertheless, may be countersigned by the Warrant Agent, issued and delivered with the same force and effect as though the person who signed such Warrant Certificates had not ceased to be such officer of the Company; and any Warrant Certificate may be signed on behalf of the Company by any other person who, at the actual date of the execution of such Warrant Certificate, shall be an Authorized Officer of the Company authorized to sign such Warrant Certificate, although at the date of the execution of this Warrant Agency Agreement any such person was not such an Authorized Officer.

2.1.5. Registration of Transfer. Subject to the provisions of the Warrants, at any time prior to 5:00 p.m. (New York City time) on the Termination Date (as defined below), a transfer of any Warrants may be registered and any Warrant Certificate or Warrant Certificates may be split up, combined or exchanged for another Warrant Certificate or Warrant Certificates evidencing the same number of Warrants as the Warrant Certificate or Warrant Certificates surrendered. Any Holder desiring to register the transfer of Warrants or to split up, combine or exchange any Warrant Certificate shall make such request in writing delivered to the Warrant Agent, and shall surrender to the Warrant Agent the Warrant Certificate or Warrant Certificates evidencing the Warrants the transfer of which is to be registered or that is or are to be split up, combined or exchanged together with any required form of assignment and certificate duly executed and properly completed by such Holder at the office or offices of the Warrant Agent designated for such purpose and, in the case of registration of transfer, shall provide a signature guarantee (a "signature guarantee") from an eligible guarantor institution participating in a signature guarantee program approved by the Securities Transfer Association and such other documentation as the Warrant Agent may reasonably request. Thereupon, the Warrant Agent shall countersign and deliver to the person entitled thereto a Warrant Certificate or Warrant Certificates, as the case may be, as so requested. The Company and the Warrant Agent may require payment, by the Holder requesting a registration of transfer of Warrants or a split-up, combination or exchange of a Warrant Certificate (but, for purposes of clarity, not upon the exercise of the Warrants and issuance of Warrant Shares to the Holder), of a sum sufficient to cover any tax or governmental charge that may be imposed in connection with such registration of transfer, split-up, combination or exchange, together with reimbursement to the Company and the Warrant Agent of all reasonable expenses incidental thereto. The Warrant Agent shall not have any duty or obligation to take any action under any section of this Warrant Agreement that requires the payment of taxes and/or charges unless and until it is satisfied that all such payments have been made.

2.1.6. Loss, Theft and Mutilation of Warrant Certificates. Upon receipt by the Company and the Warrant Agent of evidence reasonably satisfactory to them of the loss, theft, destruction or mutilation of a Warrant Certificate, which evidence shall include an affidavit of loss, or in the case of mutilated certificates, the certificate or portion thereof remaining, and, in case of loss, theft or destruction, of indemnity or security in customary form and amount satisfactory to the Warrant Agent, and satisfaction of any other reasonable requirements, and reimbursement to the Company and the Warrant Agent of all reasonable expenses incidental thereto, and upon surrender to the Warrant Agent and cancellation of the Warrant Certificate if mutilated, the Company shall make and deliver a new Warrant Certificate of like tenor to the Warrant Agent for countersignature and delivery to the Holder in lieu of the Warrant Certificates, which shall be charged only once in instances where a single surety bond obtained covers multiple certificates. The Warrant Agent may receive compensation from the surety companies or surety agents for administrative services provided to them.

2.1.7. <u>Proxies</u>. The Holder of a Warrant may grant proxies or otherwise authorize any person, including the Participants and beneficial holders that may own interests through the Participants, to take any action that a Holder is entitled to take under this Warrant Agency Agreement or the Warrants; <u>provided</u>, <u>however</u>, that at all times that Warrants are evidenced by a Global Certificate, exercise of those Warrants shall be effected on their behalf by Participants through DTC in accordance the procedures administered by DTC.

2.1.8. <u>Opinion of Counsel</u>. On or prior to the execution of this Warrant Agency Agreement, the Company shall provide the Warrant Agent with an opinion of counsel to set up a reserve of Warrant Shares for the outstanding Warrants. The opinion shall state that all Warrants or Warrant Shares, as applicable, are (a) registered under the Securities Act of 1933, as amended (the "<u>Securities Act</u>"), or are exempt from such registration, and all appropriate state securities law filings have been made with respect to the warrants or shares or alternatively, that the securities are "covered securities" under Section 18 of the Securities Act; and (b) validly issued, fully paid and non-assessable.

3. Terms and Exercise of Warrants.

3.1. <u>Exercise Price</u>. Each Warrant shall entitle the Holder, subject to the provisions of the applicable Warrant Certificate and of this Warrant Agency Agreement, to purchase from the Company the number of shares of Series J Convertible Preferred Stock, stated therein, at the exercise price of $[_]$ per whole share (or $[_]$ per one-half of one (0.5) share), subject to the subsequent adjustments provided by Section 4 hereof and Section 3 of the Warrant Certificates. The term "<u>Exercise Price</u>" as used in this Warrant Agency Agreement refers to the price per share at which shares of Series J Convertible Preferred Stock, may be purchased at the time a Warrant is exercised.

3.2. <u>Duration of Warrants</u>. The Warrants have a three-year term and may be exercised only during the period ("<u>Exercise Period</u>") commencing on or after [____], 2023 and ending on 5:00 p.m. (New York City time) on [____], 2026 (the "<u>Termination Date</u>"). Each Warrant not exercised before 5:00 p.m. (New York City time) on the Termination Date shall become void, and, subject to Sections 7.11 and 9.5 hereof, all rights thereunder and all rights in respect thereof under this Warrant Agency Agreement shall cease at the close of business on the Termination Date.

3.3. Exercise of Warrants.

3.3.1. Exercise and Payment. (a) Subject to the provisions of this Warrant Agency Agreement, a Holder of a Definitive Certificate may exercise Warrants evidenced by such Definitive Certificate by delivering to the Warrant Agent and the Company, a duly executed facsimile copy or PDF copy submitted by e-mail (or e-mail attachment) of the Notice of Exercise in the form annexed to the Warrant Certificate. Notwithstanding any other provision in this Warrant Agency Agreement, a holder whose interest in a Warrant is a beneficial interest in a Global Certificate held in book-entry form through DTC (or another established clearing corporation performing similar functions), shall effect exercises by delivering to DTC (or such other clearing corporation, as applicable) the appropriate instruction form for exercise, complying with the procedures to effect exercise that are required by DTC (or such other clearing corporation, as applicable). Any Holder exercising a Warrant shall deliver payment of the Exercise Price pursuant to Section 2(a) and Section 2(b) of the Warrant Certificate set forth in Exhibit B attached hereto. The Warrant Agent shall forward funds received for Warrant exercises by the fifth Business Day of the following month after such funds are received by the Warrant Agent by wire transfer to an account designated by the Company. The Company acknowledges that the bank accounts maintained by the Warrant Agent in connection with the services provided under this Warrant Agency Agreement will be in Equiniti's name, as agent for the Company, and that the Warrant Agent may receive investment earnings in connection with the investment at Warrant Agent risk and for its benefit of funds (the "Funds") held in those accounts from time to time. Until paid pursuant to the terms of this Warrant Agency Agreement, Equiniti will hold the Funds through such accounts in: deposit accounts of commercial banks with Tier 1 capital exceeding \$1 billion or with an average rating above investment grade by S&P (LT Local Issuer Credit Rating), Moody's (Long Term Rating) and Fitch Ratings, Inc. (LT Issuer Default Rating) (each as reported by Bloomberg Finance L.P.). Equiniti shall have no responsibility or liability for any diminution of the Funds that may result from any deposit made by Equiniti in accordance with this paragraph, including any losses resulting from a default by any bank, financial institution or other third party. Equiniti may from time to time receive interest, dividends or other earnings in connection with such deposits. Equiniti shall not be obligated to pay such interest, dividends or earnings to the Company, any holder or any other party. If either the Exercise Note or the Exercise price relating to an exercise are received or deemed to be received after the Termination Date, the exercise thereof will be null and void and any funds delivered to the Company will be returned to the Holder or Participant, as the case may be, as soon as practicable. In no event will interest accrue on any funds deposited with the Company in respect of an exercise or attempted exercise of the Warrants. (b) The Warrants shall cease to be exercisable and shall terminate and become void and callable as set forth in the applicable Warrant Certificate. The Company hereby instructs the Warrant Agent to record cost basis for newly issued shares in a manner to be subsequently communicated by the Company in writing to the Warrant Agent.

3.3.2. Issuance of Warrant Shares.

(a) The Warrant Agent shall, as promptly as practicable following the date of exercise of any Warrant, advise the Company (to the extent known the Warrant Agent) and the transfer agent and registrar for the Company's Series J Convertible Preferred Stock, which on the date hereof is Equiniti Trust Company, LLC (the "<u>Transfer Agent</u>"), in respect of (i) the number of Warrant Shares indicated on the Notice of Exercise as issuable upon such exercise with respect to such exercised Warrants, (ii) the instructions of the Holder or Participant, as the case may be, provided to the Warrant Agent with respect to the delivery of the Warrant Shares and the number of Warrants that remain outstanding after such exercise, and (iii) such other information as the Company or the Transfer Agent shall reasonably request.

(b) Upon the Warrant Agent's receipt, at or prior to the Close of Business on the Termination Date set forth in a Warrant Certificate, of the executed Notice of Exercise, accompanied by payment of the Exercise Price pursuant to Section 2(a) and 2(b) of the Warrant Certificate set forth in Exhibit B attached hereto, the Warrant Agent shall cause the Warrant Shares underlying such Warrant to be delivered by the Transfer Agent to or upon the order of the Holder of such Warrant, registered in such name or names as may be designated by such Holder, no later than the Warrant Share Delivery Date. If the Company is then a participant in DTC's Deposit or Withdrawal at Custodian ("DWAC") system and there is an effective registration statement permitting the issuance of the Warrant Shares to or resale of the Warrant Shares by Holder, then the Company shall cause the Warrant Shares purchased hereunder to be transmitted by the Transfer Agent to the Holder by crediting the account of the Holder's or its designee's account with DTC through its Deposit or Withdrawal at Custodian system.

3.3.3. <u>Valid Issuance</u>. All Warrant Shares issued by the Company upon the proper exercise of a Warrant in conformity with this Warrant Agency Agreement shall be validly issued, fully paid and non-assessable.

3.3.4. <u>No Fractional Shares or Scrip</u>. Notwithstanding any provision to the contrary contained in this Agreement or the Warrant, the Company shall not be required to issue any fraction of a Warrant Share or scrip representing fractional shares upon the exercise of the Warrant. As to any fraction of a share which the Holder would otherwise be entitled to purchase upon such exercise, pay a cash adjustment in respect of such final fraction in an amount equal to such fraction multiplied by the Stated Value of the Series J Convertible Preferred Stock, as set forth in the Series J Certificate of Designation. Accordingly, a holder of a Warrant is entitled to exercise a number of Warrants that would result solely in the holder receiving one or more whole Warrant Shares. Prior to paying an adjustment in cash in respect of a fractional interest, the Company shall first provide to Equiniti an initial funding of one thousand dollars (\$1,000) for the purpose of issuing cash in lieu of fractional shares. From time to time thereafter, Equiniti may request additional funding to cover fractional payments. Equiniti shall have no obligation to make fractional payments unless the Company shall have provided the necessary funds to pay in full all amounts due and payable with respect thereto.

3.3.5. <u>Charges, Taxes, and Expenses</u>. Issuance of Warrant Shares shall be made without charge to the Holder for any issue or transfer tax or other incidental expense in respect of the issuance of such Warrant Shares, all of which taxes and expenses shall be paid by the Company, and such Warrant Shares shall be issued in the name of the Holder or in such name or names as may be directed by the Holder; <u>provided</u>, <u>however</u>, that in the event that Warrant Shares are to be issued in a name other than the name of the Holder, the Warrant when surrendered for exercise shall be accompanied by the Assignment Form attached to the Warrant properly completed and duly executed by the Holder and accompanied by a signature guarantee and the Company may require, as a condition thereto, the payment of a sum sufficient to reimburse it for any transfer tax incidental thereto; and (the Company shall use its best efforts to pay, or procure payment of issue or stamp taxes levied in connection with the issuance of the Warrant or Warrant Shares to the Holder ("<u>Relevant Taxes</u>"). The Holder agrees to cooperate with the Company and provide all necessary and reasonable information and documentation to the Company in a timely manner (and in any event within 10 Business Days of request) to enable the Company to procure payment of any Relevant Taxes and facilitate the making of any necessary filings in respect of Relevant Taxes required to be made within applicable time limits. The Company shall not be liable for any Relevant Taxes or is increased as a result of any failure by a Holder to timely provide the Company with any information or documentation reasonably requested pursuant to Section 2(d)(vi) of the Warrant Certificate set forth in <u>Exhibit B</u> attached hereto. The Company shall pay all Transfer Agent fees required for processing of any Notice of Exercise and all fees to DTC (or another established clearing corporation performing similar functions) required for electronic delivery of the Warrant Shares.

3.3.6. <u>Date of Issuance</u>. The Company will treat an exercising Holder as a beneficial owner of the Warrant Shares as of the date of exercise of any Warrant, except that, if such date of exercise is a date when the stock transfer books of the Company are closed, such person shall be deemed to have become the holder of such shares at the open of business on the next succeeding date on which the stock transfer books are open.

3.3.7. [<u>Reserved</u>].

3.3.8. [<u>Reserved</u>].

3.3.9. <u>Disputes</u>. In the case of a dispute as to the determination of the Exercise Price or the arithmetic calculation of the number of Warrant Shares issuable in connection with any exercise, the Company shall promptly deliver to the Holder the number of Warrant Shares that are not disputed.

4. Adjustments. The Exercise Price, the number of shares of Series J Convertible Preferred Stock covered by each Warrant and the number of Warrants outstanding are subject to adjustment from time to time as provided in Section 3 of the Warrant Certificate set forth in Exhibit B attached hereto. The Company hereby agrees that it will provide the Warrant Agent with reasonable notice of any such adjustments. The Warrant Agent shall have no obligation under any Section of this Agreement to determine whether an event resulting in any such adjustment has occurred or to calculate any of the adjustments set forth herein. All Warrants originally issued by the Company subsequent to any adjustment made to the Exercise Price pursuant to the Warrant shall evidence the right to purchase, at the adjusted Exercise Price, the number of shares of Series J Convertible Preferred Stock, purchasable from time to time hereunder upon exercise of the Warrants, all subject to further adjustment as provided herein. Whenever the Exercise Price or the number of Warrant Shares issuable upon the exercise of each Warrant is adjusted, the Company shall (a) promptly prepare a certificate setting forth the Exercise Price of each Warrant as so adjusted and the increase or decrease, if any, in the number of Warrant Shares purchasable at such price upon the exercise of a Warrant, and a brief statement of the facts accounting for such adjustment, (b) promptly file with the Warrant Agent and with the Transfer Agent a copy of such certificate and (c) instruct the Warrant Agent to send a brief summary thereof to each Holder of a Warrant. If the Company requests the Warrant Agent to send such notices, it shall provide the Warrant Agent with a draft notice to be used for this purpose. The Warrant Agent shall be entitled to rely conclusively on, and shall be fully protected in relying on, any certificate, notice or instructions provided by the Company with respect to any adjustment of the Exercise Price or the number of shares issuable upon exercise of a Warrant, or any related matter, and the Warrant Agent shall not be liable for any action taken, suffered or omitted to be taken by it in accordance with any such certificate, notice or instructions or pursuant to this Warrant Agency Agreement. The Warrant Agent shall not be deemed to have knowledge of any such adjustment unless and until it shall have received written notice thereof from the Company.

5. <u>Restrictive Legends</u>; <u>Fractional Warrants</u>. In the event that a Warrant Certificate surrendered for transfer bears a restrictive legend, the Warrant Agent shall not register that transfer until the Warrant Agent has received an opinion of counsel for the Company stating that such transfer may be made and indicating whether the Warrants must also bear a restrictive legend upon that transfer. The Company shall not issue fractions of Warrants or distribute a Global Certificate or Warrant Certificates that evidence fractional Warrants. Whenever any fractional Warrant would otherwise be required to be issued or distributed, the actual issuance or distribution shall be paid via a cash adjustment as set forth in Section 3.3.4 of this Agreement. The Warrant Agent shall not be required to effect any registration of transfer or exchange which will result in the transfer of or delivery of a Warrant Certificate for a fraction of a Warrant. The Company shall not issue fractions of shares of Series J Convertible Preferred Stock upon exercise of Warrants or distribute stock certificates that evidence fractional shares of Series J Convertible Preferred Stock. Whenever any fraction of a share of Series J Convertible Preferred Stock would otherwise be required to be issued or distributed, the actual issuance or distribution in respect thereof shall be made in accordance with Section 2(d)(v) of the Warrant Certificate attached hereto as <u>Exhibit B</u>.

6. Other Provisions Relating to Rights of Holders of Warrants.

6.1. <u>No Rights as Stockholder</u>. Except as otherwise specifically provided herein and in accordance with the Warrant Certificates, a Holder, solely in his, her or its capacity as a holder of Warrants, shall not be entitled to vote or receive dividends or be deemed the holder of share capital of the Company for any purpose, nor shall anything contained in this Warrant Agency Agreement be construed to confer upon a Holder, solely in its capacity as the registered holder of Warrants, any of the rights of a shareholder of the Company or any right to vote, give or withhold consent to any corporate action (whether any reorganization, issue of stock, reclassification of share capital, consolidation, merger, conveyance or otherwise), receive notice of meetings, receive dividends or subscription rights or rights to participate in new issues of shares, or otherwise, prior to the issuance to the Holder of the Warrant Shares which it is then entitled to receive upon the due exercise of Warrants.

6.2. <u>Reservation of Series J Convertible Preferred Stock</u>. The Company shall at all times reserve and keep available a number of its authorized but unissued shares of Series J Convertible Preferred Stock pursuant to this Agreement and Section 6(d) of the Warrant Certificate attached hereto as Exhibit B.

7. <u>Conditions of the Warrant Agent's Obligations</u>. The Warrant Agent accepts its obligations herein set forth upon the express terms and conditions hereof, including the following to all of which the Company agrees and to all of which the rights hereunder of the Holders from time to time shall be subject:

7.1. <u>Compensation and Indemnification</u>. The Company agrees promptly to pay the Warrant Agent the compensation set forth in a mutually agreed upon fee schedule executed on or before the date hereof for all services rendered by the Warrant Agent and on demand of the Warrant Agent to reimburse the Warrant Agent for reasonable out-of-pocket expenses (including reasonable counsel fees) and other disbursements incurred in the preparation, delivery, negotiation, amendment, administration and execution of this Warrant Agency Agreement and the exercise and performance of its duties hereunder. The Company covenants and agrees to indemnify and to hold harmless the Rights Agent against, any and all loss, liability, damage, judgment, fine, penalty, claim, demand, settlement, cost or expense (including, without limitation, the reasonable and documented fees and expenses of legal counsel) that may be paid, incurred or suffered by it, or which it may become subject, without gross negligence, bad faith or willful misconduct on the part of the Warrant Agent (which gross negligence, bad faith, or willful misconduct must be determined by a final, non-appealable judgment of a court of competent jurisdiction), for any action taken, suffered, or omitted to be taken by the Warrant Agent in connection with the execution, acceptance, administration, exercise and performance of its duties under this Warrant Agency Agreement, including the reasonable and documented costs and expenses of defending against any claim of liability arising therefrom, directly or indirectly, or enforcing its rights hereunder. The Warrant Agent shall not be liable for the Company's failure to timely deliver Warrant Shares pursuant to the terms of the Warrants, nor shall the Warrant Agent be liable for any liquidated damages or any other damages associated therewith.

7.2. <u>Agent for the Company</u>. In acting under this Warrant Agency Agreement and in connection with the Warrant Certificates, the Warrant Agent is acting solely as agent of the Company and does not assume any obligations or relationship of agency or trust for or with any of the Holders of Warrant Certificates or beneficial owners of Warrants.

7.3. <u>Counsel</u>. The Warrant Agent may consult with counsel satisfactory to it, which may include counsel for the Company, and the advice or opinion of such counsel shall be full and complete authorization and protection to the Warrant Agent, and the Warrant Agent shall have no liability for or in respect of any action taken, suffered or omitted by it hereunder in the absence of bad faith and in accordance with the advice or opinion of such counsel.

7.4. <u>Documents</u>. From time to time, Company may provide Warrant Agent with instructions concerning the services performed by the Warrant Agent hereunder. The Warrant Agent and its agents and subcontractors shall be protected and shall incur no liability for or in respect of any action taken or omitted to be taken, suffered by it in reliance upon any Warrant Certificate, notice, direction, consent, certificate, affidavit, statement or other paper or document reasonably believed by it to be genuine and to have been presented or signed by the proper parties. The Warrant Agent shall not be held to have notice of any change of authority of any person, until receipt of written notice thereof from Company.

7.5. <u>Certain Transactions</u>. The Warrant Agent, and its officers, directors and employees, may become the owner of, or acquire any interest in, Warrants, with the same rights that it or they would have if it were not the Warrant Agent hereunder, and, to the extent permitted by applicable law, it or they may engage or be interested in any financial or other transaction with the Company and may act on, or as depositary, trustee or agent for, any committee or body of Holders of Warrant Securities or other obligations of the Company as freely as if it were not the Warrant Agent hereunder. Nothing in this Warrant Agency Agreement shall be deemed to prevent the Warrant Agent from acting as trustee under any indenture to which the Company is a party. Nothing herein shall preclude the Warrant Agent from acting in any other capacity for the Company or for any other legal entity.

7.6. <u>No Liability for Interest</u>. Unless otherwise agreed with the Company, the Warrant Agent shall have no liability for interest on any monies at any time received by it pursuant to any of the provisions of this Warrant Agency Agreement or of the Warrant Certificates.

7.7. <u>No Liability for Invalidity</u>. The Warrant Agent shall not be under any responsibility in respect of the validity of this Warrant Agency Agreement or the execution and delivery hereof (except the due execution hereof by the Warrant Agent) or in respect of the validity or execution of any Warrant Certificate (except its countersignature thereof); nor shall it be responsible for any breach by the Company of any covenant or condition contained in this Warrant Agency Agreement or in any Warrant Certificate; nor shall it be responsible for the adjustment of the Exercise Price or the making of any change in the number of shares of Series J Convertible Preferred Stock required under the provisions of Section 4 (Adjustments) or Sections 5 and 3.3.4 regarding fractional shares or responsible for the manner, method or amount of any such change or the ascertaining of the existence of facts that would require any such adjustment or change (except with respect to the exercise of Warrants evidenced by Warrant Certificates after actual notice of any adjustment of the Exercise Price); nor shall it by any act hereunder be deemed to make any representation or warranty as to the authorization or reservation of any shares of Series J Convertible Preferred Stock to be issued pursuant to this Warrant Agency Agreement or any Warrant Certificate or as to whether any shares of Series J Convertible Preferred Stock will, when issued, be duly authorized, validly issued, fully paid and nonassessable.

7.8. <u>No Responsibility for Representations</u>. The Warrant Agent shall not be responsible for any of the recitals, statement of facts or representations herein or in the Warrant Certificates (except as to the Warrant Agent's countersignature thereon), all of which are made solely by the Company.

7.9. <u>No Implied Obligations</u>. The Warrant Agent shall be obligated to perform only such duties as are herein and in the Warrant Certificates specifically set forth and no implied duties or obligations shall be read into this Warrant Agency Agreement or the Warrant Certificates against the Warrant Agent. The Warrant Agent shall not be under any obligation to take any action hereunder which may tend to involve it in any expense or liability, the payment of which within a reasonable time or adequate indemnification is not, in its reasonable opinion, assured to it. The Warrant Agent shall not be accountable or under any duty or responsibility for the use by the Company of any of the Warrant Certificates authenticated by the Warrant Agent and delivered by it to the Company pursuant to this Warrant Agency Agreement or for the application by the Company of the proceeds of the Warrant Certificates. The Warrant Agent shall have no duty or responsibility in case of any default by the Company in the performance of its covenants or agreements contained herein or in the Warrant Certificates or in the case of the receipt of any written demand from a Holder of a Warrant Certificate with respect to any action or default by the Company, including, without limiting the generality of the foregoing, any duty or responsibility to initiate or attempt to initiate any proceedings at law.

7.10. <u>Signature Guarantee</u>. A party requesting transfer of Warrants or the Warrant Shares must provide any evidence of authority that may be required by the Warrant Agent, including but not limited to, a signature guarantee from an eligible guarantor institution participating in a signature guarantee program approved by the Securities Transfer Association.

7.11. <u>Survival</u>. Notwithstanding anything contained herein to the contrary, the rights and obligations of the parties set forth in this Section 7 shall survive the exercise or expiration of the Warrants, the termination of this Warrant Agency Agreement and the resignation, replacement or removal of the Warrant Agent.

7.12. Limitation of Liability. Neither party to this Warrant Agency Agreement shall be liable to the other party for any consequential, indirect, special or incidental damages under any provisions of this Warrant Agency Agreement or for any consequential, indirect, punitive, special or incidental damages arising out of any act or failure to act hereunder even if that party has been advised of or has foreseen the possibility of such damages. Notwithstanding anything contained herein to the contrary, the Warrant Agency Agreement, or from all services provided or omitted to be provided under this Warrant Agency Agreement, or from all services provided or omitted to be provided under this Warrant Agency Agreement, whether in contract, or in tort, or otherwise, is limited to, and shall not exceed, the amounts paid hereunder by the Company to Warrant Agent as fees and charges, but not including reimbursable expenses, during the twelve (12) months immediately preceding the event for which recovery from Warrant Agent is being sought.

8. Purchase or Consolidation or Change of Name of Warrant Agent.

8.1. Any Person into which the Warrant Agent or any successor Warrant Agent may be merged or with which it may be consolidated, or any Person resulting from any merger or consolidation to which the Warrant Agent or any successor Warrant Agent shall be party, or any Person succeeding to the corporate trust, stock transfer or shareholder services business of the Warrant Agent or any successor Warrant Agent, shall be the successor to the Warrant Agent under this Warrant Agency Agreement without the execution or filing of any paper or any further act on the part of any of the parties hereto, provided that such Person would be eligible for appointment as a successor Warrant Agent under the provisions of Section 9 of this Warrant Agency Agreement. In case at the time such successor Warrant Agent shall succeed to the agency created by this Warrant Agency Agreement any of the Warrant Certificates shall have been countersigned but not delivered, any such successor Warrant Agent may adopt the countersignature of the predecessor Warrant Agent and deliver such Warrant Certificates so countersigned; and in case at that time any of the predecessor Warrant Agent or in the name of the successor Warrant Agent; and in all such cases such Warrant Certificates shall have the full force provided in the Warrant Certificates and in this Warrant Agency Agreement.

8.2. In case at any time the name of the Warrant Agent shall be changed and at such time any of the Warrant Certificates shall have been countersigned but not delivered, the Warrant Agent may adopt the countersignature under its prior name and deliver Warrant Certificates so countersigned; and in case at that time any of the Warrant Certificates shall not have been countersigned, the Warrant Agent may countersign such Warrant Certificates either in its prior name or in its changed name; and in all such cases such Warrant Certificates shall have the full force provided in the Warrant Certificates and in this Warrant Agency Agreement.

9. <u>Duties of Warrant Agent</u>. The Warrant Agent undertakes the duties and obligations imposed by this Warrant Agency Agreement upon the following express terms and conditions (and no implied duties or obligations shall be read into this Warrant Agency Agreement against the Warrant Agent), by all of which the Company, by its acceptance hereof, shall be bound:

9.1. Whenever in the performance of its duties under this Warrant Agency Agreement, the Warrant Agent shall deem it necessary or desirable that any fact or matter be proved or established by the Company prior to taking or suffering any action hereunder, such fact or matter (unless other evidence in respect thereof be herein specifically prescribed) may be deemed to be conclusively proved and established by a certificate signed by the Chief Executive Officer, Chief Financial Officer, General Counsel or Secretary of the Company; and such certificate shall be full authentication to the Warrant Agent and the Warrant Agent shall be fully protected and shall no incur no liability for any action taken, suffered or omitted to be taken by it under the provisions of this Warrant Agency Agreement in reliance upon such certificate in the absence of bad faith.

9.2. Subject to the limitation set forth in Section 7.12 of this Warrant Agency Agreement, the Warrant Agent shall be liable hereunder only for its own gross negligence, bad faith or willful misconduct (which gross negligence, bad faith, or willful misconduct must be determined by a final, non-appealable judgment of a court of competent jurisdiction).

9.3. The Warrant Agent is hereby authorized to accept instructions with respect to the performance of its duties hereunder from the Chief Executive Officer, Chief Financial Officer, General Counsel or Secretary of the Company, and to apply to such officers for advice or instructions with respect to any matter arising in connection with the services to be performed by the Warrant Agent under this Warrant Agency Agreement, and it shall not be liable and shall be indemnified and held harmless by the Company for any action taken, suffered or omitted to be taken by it in the absence of bad faith in accordance with instructions of any such officer, provided Warrant Agent carries out such instructions without gross negligence, bad faith or willful misconduct (which gross negligence, bad faith or willful misconduct must be determined by a final, non-appealable judgement of a court of competent jurisdiction).

9.4. The Warrant Agent may execute and exercise any of the rights or powers hereby vested in it or perform any duty hereunder either itself or by or through its attorney or agents, and the Warrant Agent shall not be answerable or accountable for any act, default, neglect or misconduct of any such attorney or agents or for any loss to the Company resulting from any such act, default, neglect or misconduct, provided reasonable care was exercised in the selection and continued employment thereof.

9.5. This Section 9 shall survive the exercise or expiration of the Warrants, the termination of this Warrant Agency Agreement and the resignation, replacement or removal of the Warrant Agent.

10. Change of Warrant Agent. The Warrant Agent, or any successor to it hereafter appointed, may resign and be discharged from its duties under this Warrant Agency Agreement upon 30 days' notice in writing sent to the Company, and in the event that the Warrant Agent or one of its affiliates is not also the transfer agent for the Series J Convertible Preferred Stock, to each transfer agent of the Series J Convertible Preferred Stock known to the Warrant Agent, and to the Holders of record of the Warrant Certificates. In the event the transfer agency relationship in effect between the Company and the Warrant Agent terminates, the Warrant Agent will be deemed to have resigned automatically and be discharged from its duties under this Warrant Agency Agreement as of the effective date of such termination, and the Company shall be responsible for sending any required notice. The Company may remove the Warrant Agent or any successor Warrant Agent upon 30 days' notice in writing, sent to the Warrant Agent or successor Warrant Agent, as the case may be, and to each transfer agent of the Common Stock, and to the Holders of the Warrant Certificates. If the Warrant Agent shall resign or be removed or shall otherwise become incapable of acting, the Company shall appoint a successor to the Warrant Agent. If the Company shall fail to make such appointment within a period of 30 days after such removal or after it has been notified in writing of such resignation or incapacity by the resigning or incapacitated Warrant Agent or by the Holder of a Warrant Certificate (who shall, with such notice, submit his Warrant Certificate for inspection by the Company), then the Holder of any Warrant Certificate may apply to any court of competent jurisdiction for the appointment of a new Warrant Agent, provided that, for purposes of this Warrant Agency Agreement, the Company shall be deemed to be the Warrant Agent until a new warrant agent is appointed. Any successor Warrant Agent, whether appointed by the Company or by such a court, shall be an entity organized and doing business under the laws of the United States or of a state thereof, in good standing, which is authorized under such laws to exercise stock transfer powers and is subject to supervision or examination by federal or state authority and which has at the time of its appointment as Warrant Agent a combined capital and surplus (together with its affiliates) of at least \$50,000,000. After appointment, the successor Warrant Agent shall be vested with the same powers, rights, duties and responsibilities as if it had been originally named as Warrant Agent without further act or deed; but the predecessor Warrant Agent shall deliver and transfer to the successor Warrant Agent any property at the time held by it hereunder and execute and deliver, at the expense of the Company, any further assurance, conveyance, act or deed necessary for such purpose without assumption of any liability on the part of the former Warrant Agent. Not later than the effective date of any such appointment, the Company shall file notice thereof in writing with the predecessor Warrant Agent and each transfer agent of the Common Stock, and mail or other deliver a notice thereof in writing to the Holders of the Warrant Certificates. However, failure to give any notice provided for in this Section 9, or any defect therein, shall not affect the legality or validity of the resignation or removal of the Warrant Agent or the appointment of the successor Warrant Agent, as the case may be.

11. <u>Issuance of New Warrant Certificates</u>. Notwithstanding any of the provisions of this Warrant Agency Agreement or of the Warrants to the contrary, the Company may, at its option, issue new Warrant Certificates evidencing Warrants in such form as may be approved by its Board of Directors to reflect any adjustment or change in the Exercise Price per share and the number or kind or class of shares of stock or other securities or property purchasable under the several Warrant Certificates made in accordance with the provisions of this Warrant Agency Agreement.

12. <u>Notices</u>. Notices or demands authorized by this Warrant Agency Agreement to be given or made (i) by the Warrant Agent or by the Holder of any Warrant Certificate to or on the Company, (ii) subject to the provisions of Section 10, by the Company or by the Holder of any Warrant Certificate to or on the Warrant Agent or (iii) by the Company or the Warrant Agent to the Holder of any Warrant Certificate, shall be deemed given (a) on the date delivered, if delivered personally, (b) when deposited with Federal Express or another recognized overnight courier, if sent by Federal Express or another recognized overnight courier, (c) when mailed with postage prepaid, if mailed by registered or certified mail (return receipt requested), and (d) the date of transmission, if such notice or communication is delivered via facsimile (with confirmation) or email attachment (other than to the Warrant Agent) at or prior to 5:30 p.m. (New York City time) on a Business Day and (e) the next Business Day after the date of transmission, if such notice or communication is delivered to the Warrant Agent) on a day that is not a Business Day or later than 5:30 p.m. (New York City time) on any Business Day, in each case to the parties at the following addresses (or at such other address for a party as shall be specified by like notice):

12.1. Notice Information.

If to the Company, to:

Nuwellis, Inc.

12988 Valley View Road Eden Prairie, Minnesota 55344 Attention: Robert B. Scott Chief Financial Officer Email: ir@nuwellis.com

If to the Warrant Agent, to:

Equiniti Trust Company, LLC 6201 15th Avenue Brooklyn, NY, 11219 Attention: [Client Services]

Notwithstanding anything to the contrary herein, for any notice delivered by email to be deemed given or made, such notice must be followed by notice sent by overnight courier service to be delivered on the next business day following such email, unless the recipient of such email has acknowledged via return email receipt of such email.

12.2. If to the Holder of any Warrant Certificate, to the address of such Holder as shown on the registry books of the Company. Any notice required to be delivered by the Company to the Holder of any Warrant may be given by the Warrant Agent on behalf of the Company. Notwithstanding any other provision of this Warrant Agency Agreement, where this Warrant Agency Agreement provides for notice of any event to a Holder of any Warrant, such notice shall be sufficiently given if given to the Depositary (or its designee) pursuant to the procedures of the Depositary or its designee.

13. Supplements and Amendments.

13.1. The Company and the Warrant Agent may from time to time supplement or amend this Warrant Agency Agreement without the approval of any Holders of Warrants in order to: (a) add to the covenants and agreements of the Company for the benefit of the Holders of the Warrants or to surrender any rights or power reserved to or conferred upon the Company in this Warrant Agency Agreement; or (b) to cure any ambiguity, to correct or supplement any provision contained herein which may be defective or inconsistent with any other provisions herein, or to make any other provisions with regard to matters or questions arising hereunder which the Company and the Warrant Agent may deem necessary or desirable; provided that such addition or surrender or such change shall not adversely affect the interests of the Holders of the Warrants in any material respect.

13.2. In addition to the foregoing, with the consent of Holders of Warrants entitled, upon exercise thereof, to receive not less than a majority of the shares of Warrant Shares issuable thereunder, the Company and the Warrant Agent may modify this Warrant Agency Agreement for the purpose of adding any provisions to or changing in any manner or eliminating any of the provisions of this Warrant Agency Agreement or modifying in any manner the rights of the Holders of the Warrants; <u>provided</u>, <u>however</u>, that no modification of the terms (including but not limited to the adjustments described in Section 4) upon which the Warrants are exercisable or reducing the percentage required for consent to modification of this Warrant Agency Agreement may be made without the consent of the Holder of each outstanding Warrant affected thereby. As a condition precedent to the Warrant Agent's execution of any amendment, the Company shall deliver to the Warrant Agent a certificate from a duly authorized officer of the Company that states that the proposed amendment complies with the terms of this Section 13.

14. <u>Successors</u>. All covenants and provisions of this Warrant Agency Agreement by or for the benefit of the Company or the Warrant Agent shall bind and inure to the benefit of their respective successors and assigns hereunder.

15. <u>Benefits of this Warrant Agency Agreement</u>. Nothing in this Warrant Agency Agreement shall be construed to give any Person other than the Company, the Holders of Warrants and the Warrant Agent any legal or equitable right, remedy or claim under this Warrant Agency Agreement; but this Warrant Agency Agreement shall be for the sole and exclusive benefit of the Company, the Warrant Agent and the Holders of the Warrants.

16. <u>Governing Law</u>. This Warrant Agency Agreement and each Warrant issued hereunder shall be governed by, and construed in accordance with, the laws of the State of New York without giving effect to the conflicts of law principles thereof. The Company hereby agrees that any action, proceeding or claim against it arising out of or relating in any way to this Warrant Agency Agreement shall be brought and enforced in the courts of the State of New York or the United States District Court for the Southern District of New York, and the appellate courts thereof, and irrevocably submits to such jurisdiction, which jurisdiction shall be exclusive. The Company hereby waives any objection to such exclusive jurisdiction and that such courts represent an inconvenience forum.

17. <u>Severability</u>. This Warrant Agency Agreement shall be deemed severable, and the invalidity or unenforceability of any term or provision hereof shall not affect the validity or enforceability of this Warrant Agency Agreement or of any other term or provision hereof. Furthermore, in lieu of any such invalid or unenforceable term or provision, the parties hereto intend that there shall be added as a part of this Warrant Agency Agreement a provision as similar in terms to such invalid or unenforceable provision as may be possible and be valid and enforceable. If an invalid or unenforceable provision shall affect the rights, immunities, liabilities, duties or obligations of the Warrant Agent, the Warrant Agent shall be entitled to resign immediately upon written notice to the Company.

18. <u>Force Majeure</u>. Notwithstanding anything to the contrary contained herein, the Warrant Agent will not be liable for any delays or failures in performance resulting from acts beyond its reasonable control including, without limitation, acts of God, pandemics, epidemics, terrorist acts, shortage of supply, breakdowns or malfunctions, interruptions or malfunction of computer facilities, or loss of data due to power failures or mechanical difficulties with information storage or retrieval systems, labor difficulties, war, or civil unrest.

19. <u>Confidentiality</u>. The Warrant Agent and the Company agree that all books, records, information and data pertaining to the business of the other party, including inter alia, personal, non-public Holder information, which are exchanged or received pursuant to the negotiation or the carrying out of this Warrant Agency Agreement including the compensation for services performed hereunder shall remain confidential, and shall not be voluntarily disclosed to any other person, except as may be required by law, including, without limitation, pursuant to subpoen from state or federal government authorities (e.g., in divorce and criminal actions).

20. Miscellaneous Provisions.

20.1. <u>Further Assurances</u>. The Company shall perform, execute, acknowledge and deliver or cause to be performed, executed, acknowledged and delivered all such further and other acts, instruments and assurances as may reasonably be required by the Warrant Agent for the carrying out or performing by any party of the provisions of this Warrant Agency Agreement.

20.2. <u>Examination of the Warrant Agreement</u>. A copy of this Warrant Agency Agreement shall be available at all reasonable times at the office of the Warrant Agent designated for such purpose for inspection by any Holder. Prior to such inspection, the Warrant Agent may require any such holder to provide reasonable evidence of its interest in the Warrants.

20.3. <u>Counterparts</u>. This Warrant Agency Agreement may be executed in any number of original, facsimile or electronic counterparts and each of such counterparts shall for all purposes be deemed to be an original, and all such counterparts shall together constitute but one and the same instrument.

20.4. <u>Effect of Headings</u>. The Section headings herein are for convenience only and are not part of this Warrant Agency Agreement and shall not affect the interpretation thereof.

21. Certain Definitions. As used herein, the following terms shall have the following meanings:

21.1. "Business Day" means any day except any Saturday, any Sunday, any day which is a federal legal holiday in the United States or any day on which banking institutions in the State of New York are authorized or required by law or other governmental action to close.

21.2. "<u>Warrant Share Delivery Date</u>" means the date that is the earliest of (i) two (2) Trading Days after the delivery to the Company and the Warrant Agent of the Notice of Exercise, provided that payment of the aggregate Exercise Price is received by the Warrant Agent one (1) Trading Day prior to such second Trading Day after the delivery of the Notice of Exercise, (ii) one (1) Trading Day after delivery of the aggregate Exercise Price to the Warrant Agent and (iii) the number of Trading Days comprising the Standard Settlement Period after the delivery to the Company and Warrant Agent of the Notice of Exercise, provided that payment of the aggregate Exercise Price is received by the Warrant Agent one (1) Trading Day prior to such second Trading Day after the delivery of the Notice of Exercise Price is received by the Warrant Agent one (1) Trading Day prior to such second Trading Day after the delivery of the Notice of Exercise.

21.3. "<u>Standard Settlement Period</u>" means the standard settlement period, expressed in a number of Trading Days, on the Company's primary Trading Market with respect to the Common Stock as in effect on the date of delivery of the Notice of Exercise.

21.4. "Trading Day" means any day on which the Common Stock is traded on the Trading Market.

21.5 "<u>Trading Market</u>" means any of the following markets or exchanges on which the Common Stock is listed or quoted for trading on the date in question: the NYSE American, the Nasdaq Capital Market, the Nasdaq Global Market, the Nasdaq Global Select Market or the New York Stock Exchange (or any successors to any of the foregoing).

[Signature Page to Follow]

IN WITNESS WHEREOF, this Warrant Agency Agreement has been duly executed by the parties hereto as of the day and year first above written.

NUWELLIS, INC.

By:

Name: Nestor Jaramillo, Jr. Title: Chief Executive Officer

EQUINITI TRUST COMPANY, LLC,

as the Warrant Agent

By:

Name: Title:

ANNEX A

FEE SCHEDULE

Acceptance Fee	\$5,000.00
Monthly Fee	\$500.00
Per Exercise Fee	\$50.00

OUT-OF-POCKET EXPENSES

All customary out-of-pocket expenses will be billed in addition to the foregoing fees.

The foregoing fees apply to services ordinarily rendered by EQ as Warrant Agent and do not include any fees associated with voluntary or mandatory redemptions on the issued warrants. Fees are subject to reasonable adjustment based on final review of documents or changes in responsibilities.

ANNEX B

WARRANT CERTIFICATE REQUEST NOTICE

To: Equiniti Trust Company, LLC, as Warrant Agent for Nuwellis, Inc. (the "Company")

The undersigned Holder of Preferred Stock Purchase Warrants ("<u>Warrants</u>") in the form of Global Certificates issued by the Company hereby elects to receive a Definitive Certificate evidencing the Warrants held by the Holder as specified below:

1. Name of Holder of Warrants in form of Global Certificates:

2. Name of Holder in Definitive Certificate (if different from name of Holder of Warrants in form of Global Certificates):

3. Number of Warrants in name of Holder in form of Global Certificates: _

4. Number of Warrants for which Definitive Certificate shall be issued:

6. Definitive Certificate shall be delivered to the following address:

The undersigned hereby acknowledges and agrees that, in connection with this Warrant Exchange and the issuance of the Definitive Certificate, the Holder is deemed to have surrendered the number of Warrants in form of Global Certificates in the name of the Holder equal to the number of Warrants evidenced by the Definitive Certificate.

[SIGNATURE OF HOLDER]

Name of Investing Entity:

Signature of Authorized Signatory of Investing Entity:

Name of Authorized Signatory:

Title of Authorized Signatory:

Date:

EXHIBIT A

[FORM OF GLOBAL WARRANT CERTIFICATE OF WARRANT TO PURCHASE SERIES J CONVERTIBLE PREFERRED STOCK]

[UNLESS THIS CERTIFICATE IS PRESENTED BY AN AUTHORIZED REPRESENTATIVE OF THE DEPOSITORY TRUST COMPANY, A NEW YORK CORPORATION ("DTC"), TO ISSUER OR ITS AGENT FOR REGISTRATION OF TRANSFER, EXCHANGE, OR PAYMENT, AND ANY CERTIFICATE ISSUED IS REGISTERED IN THE NAME OF CEDE & CO. OR IN SUCH OTHER NAME AS IS REQUESTED BY AN AUTHORIZED REPRESENTATIVE OF DTC (AND ANY PAYMENT IS MADE TO CEDE & CO. OR TO SUCH OTHER ENTITY AS IS REQUESTED BY AN AUTHORIZED REPRESENTATIVE OF DTC), ANY TRANSFER, PLEDGE, OR OTHER USE HEREOF FOR VALUE OR OTHERWISE BY OR TO ANY PERSON IS WRONGFUL INASMUCH AS THE REGISTERED OWNER HEREOF, CEDE & CO., HAS AN INTEREST HEREIN.]

Certificate No.: 1 Number of Warrants: [____] CUSIP No.: [_____] Issue Date: [_____]

NUWELLIS, INC. GLOBAL WARRANT CERTIFICATE NOT EXERCISABLE AFTER [____], 2024

This certifies that CEDE & CO., or its registered assigns, is the registered owner of the number of Warrants set forth above (the "**Warrants**"). Each Warrant entitles its registered holder to purchase from Nuwellis, Inc., a Delaware corporation (the "**Company**"), at any time prior to 5:00 P.M. (New York City time) on [____], 2024, one half of one (0.5) share of Series J Convertible Redeemable Preferred Stock, par value \$0.0001 per share, of the Company (each, a "**Warrant Share**" and collectively, the "**Warrant Shares**"), at an exercise price of \$[__] per share (or \$[__] per one-half of one (0.5) share), subject to possible adjustments as provided in the Warrant Agency Agreement (as defined below) and the Warrant Certificate in the form of <u>Exhibit A</u> attached to this Global Warrant Certificate (the "**Warrant Certificate**").

The terms and conditions of the Warrants and the rights and obligations of the holder of this Global Warrant Certificate are set forth in the Warrant Certificate and the Warrant Agency Agreement, dated as of [____], 2023 (the "**Warrant Agency Agreement**") between the Company and Equiniti Trust Company, LLC (the "**Warrant Agent**"), which Warrant Certificate and Warrant Agency Agreement are each hereby incorporated by reference in and made a part of this Global Warrant Certificate. A copy of the Warrant Agency Agreement is available for inspection during business hours at the office of the Warrant Agent. Defined terms used in this Global Warrant Certificate but not defined herein shall have the meanings given to them in the Warrant Certificate or Warrant Agency Agreement. In the event of any discrepancy or inconsistency between the terms and conditions of the Warrant Certificate shall prevail, govern and control.

The Company and the Warrant Agent may deem and treat the registered Holder(s) hereof as the absolute owner(s) of this Global Warrant Certificate (notwithstanding any notation of ownership or other writing hereon made by anyone), for the purpose of any exercise hereof, of any distribution to the holder(s) hereof, and for all other purposes, and neither the Company nor the Warrant Agent shall be affected by any notice to the contrary. Neither the Warrants nor this Global Warrant Certificate entitles any holder hereof to any rights of a holder of Series J Convertible Preferred Stock.

This Global Warrant Certificate shall not be valid or obligatory for any purpose until it shall have been countersigned by an authorized signatory of the Warrant Agent.

[Signature Page Follows]

IN WITNESS WHEREOF, the parties hereto have caused this Global Warrant Certificate to be duly executed as of the date first written above.

NUWELLIS, INC.

By:

Name: Nestor Jaramillo, Jr. Title: Chief Executive Officer

Dated: [____], 2023

Countersigned:

EQUINITI TRUST COMPANY, LLC, as Warrant Agent

By:

Name: Title:

Exhibit A to Global Warrant Certificate

Warrant Certificate

(ATTACHED)

EXHIBIT B

FORM OF DEFINITIVE WARRANT CERTIFICATE OF WARRANT TO PURCHASE SERIES J CONVERTIBLE PREFERRED STOCK

(ATTACHED)

SECURITIES PURCHASE AGREEMENT

This Securities Purchase Agreement (this "<u>Agreement</u>") is dated as of [___], 2023, between Nuwellis, Inc., a Delaware corporation (the "<u>Company</u>"), and each purchaser identified on the signature pages hereto (each, including its successors and assigns, a "<u>Purchaser</u>" and collectively the "<u>Purchasers</u>").

WHEREAS, subject to the terms and conditions set forth in this Agreement and pursuant to an effective registration statement under the Securities Act of 1933, as amended (the "Securities Act"), the Company desires to issue and sell to each Purchaser, and each Purchaser, severally and not jointly, desires to purchase from the Company, securities of the Company as more fully described in this Agreement.

NOW, THEREFORE, IN CONSIDERATION of the mutual covenants contained in this Agreement, and for other good and valuable consideration the receipt and adequacy of which are hereby acknowledged, the Company and each Purchaser agree as follows:

ARTICLE I.

DEFINITIONS

1.1 <u>Definitions</u>. In addition to the terms defined elsewhere in this Agreement, for all purposes of this Agreement, the following terms have the meanings set forth in this Section 1.1:

"<u>Acquiring Person</u>" shall have the meaning ascribed to such term in Section 4.5.

"Action" shall have the meaning ascribed to such term in Section 3.1(j).

"<u>Affiliate</u>" means any Person that, directly or indirectly through one or more intermediaries, controls or is controlled by or is under common control with a Person as such terms are used in and construed under Rule 405 under the Securities Act.

"<u>Applicable Laws</u>" shall have the meaning ascribed to such term in Section 3.1(n).

"Authorizations" shall have the meaning ascribed to such term in Section 3.1(n).

"Board of Directors" means the board of directors of the Company.

"Business Day" means any day other than Saturday, Sunday or other day on which commercial banks in The City of New York are authorized or required by law to remain closed; provided, however, for clarification, commercial banks shall not be deemed to be authorized or required by law to remain closed due to "stay at home", "shelter-in-place", "non-essential employee" or any other similar orders or restrictions or the closure of any physical branch locations at the direction of any governmental authority so long as the electronic funds transfer systems (including for wire transfers) of commercial banks in The City of New York generally are open for use by customers on such day.

"Closing" means the closing of the purchase and sale of the Securities pursuant to Section 2.1.

"<u>Closing Date</u>" means the Trading Day on which all of the Transaction Documents have been executed and delivered by the applicable parties thereto, and all conditions precedent to (i) the Purchasers' obligations to pay the Subscription Amount and (ii) the Company's obligations to deliver the Securities, in each case, have been satisfied or waived, but in no event later than the [second (2nd)] Trading Day following the date hereof.

"Commission" means the United States Securities and Exchange Commission.

"<u>Common Stock</u>" means the common stock of the Company, par value \$0.0001 per share, and any other class of securities into which such securities may hereafter be reclassified or changed.

"<u>Common Stock Equivalents</u>" means any securities of the Company that would entitle the holder thereof to acquire at any time Common Stock, including, without limitation, any debt, preferred stock, right, option, warrant or other instrument that is at any time convertible into or exercisable or exchangeable for, or otherwise entitles the holder thereof to receive, Common Stock.

"Company Counsel" means Honigman LLP, with offices located at 650 Trade Centre Way, Suite 200, Kalamazoo, Michigan 49002.

"<u>Disclosure Time</u>" means, (i) if this Agreement is signed on a day that is not a Trading Day or after 9:00 a.m. (New York City time) and before midnight (New York City time) on any Trading Day, 9:01 a.m. (New York City time) on the Trading Day immediately following the date hereof, unless otherwise instructed as to an earlier time by the Placement Agents, and (ii) if this Agreement is signed between midnight (New York City time) and 9:00 a.m. (New York City time) on any Trading Day, no later than 9:01 a.m. (New York City time) on the date hereof, unless otherwise instructed as to an earlier time by the Placement Agents.

"<u>Dividend Shares</u>" means shares of Series J Preferred Stock paid as dividends on the Shares and Warrant Shares as provided for in the Series J Certificate of Designation and shares of Series J Preferred Stock issued to holders of Warrants pursuant to Section 3(d) of the Warrant, if applicable.

"Evaluation Date" shall have the meaning ascribed to such term in Section 3.1(s).

"Exchange Act" means the Securities Exchange Act of 1934, as amended, and the rules and regulations promulgated thereunder.

"FCPA" means the Foreign Corrupt Practices Act of 1977, as amended.

"FDA" shall have the meaning ascribed to such term in Section 3.1(n).

"FDCA" shall have the meaning ascribed to such term in <u>Section 3.1(n)</u>.

"<u>Final Prospectus</u>" means the supplement to the Prospectus complying with Rule 424(b) of the Securities Act that is filed with the Commission and delivered by the Company to each Purchaser at the Closing.

"FTC" shall have the meaning ascribed to such term in Section 3.1(n).

"GAAP" shall have the meaning ascribed to such term in Section 3.1(h).

"Indebtedness" shall have the meaning ascribed to such term in Section 3.1(aa).

"Intellectual Property Rights" shall have the meaning ascribed to such term in Section 3.1(p).

"Liens" means a lien, charge, pledge, security interest, encumbrance, right of first refusal, preemptive right or other restriction.

"Lock-Up Agreement" means the Lock-Up Agreement, dated as of the Closing Date, by and among the Company and the directors and officers of the Company, in a form reasonably acceptable to the Purchasers.

"Material Adverse Effect" shall have the meaning assigned to such term in Section 3.1(b).

"<u>Per Unit Purchase Price</u>" equals \$[__], subject to adjustment for reverse and forward stock splits, stock dividends, stock combinations and other similar transactions of the Series J Preferred Stock that occur after the date of this Agreement.

"<u>Person</u>" means an individual or corporation, partnership, trust, incorporated or unincorporated association, joint venture, limited liability company, joint stock company, government (or an agency or subdivision thereof) or other entity of any kind.

"<u>Placement Agency Agreement</u>" means the Placement Agency Agreement by and between the Company and the Placement Agents dated the date hereof.

"Placement Agents" means Lake Street Capital Markets, LLC and Maxim Group LLC.

"Preferred Stock" means the preferred stock of the Company, par value \$0.0001 per share.

"<u>Preferred Stock Equivalents</u>" means any securities of the Company or the Subsidiaries which would entitle the holder thereof to acquire at any time shares of Preferred Stock, including, without limitation, any debt, preferred shares, right, option, warrant or other instrument that is at any time convertible into or exercisable or exchangeable for, or otherwise entitles the holder thereof to receive, shares of Preferred Stock.

"<u>Preliminary Prospectus</u>" means any preliminary prospectus included in the Registration Statement, as originally filed or as part of any amendment thereto.

"<u>Proceeding</u>" means an action, claim, suit, investigation or proceeding (including, without limitation, an informal investigation or partial proceeding, such as a deposition), whether commenced or, to the Company's knowledge, threatened.

"Prospectus" means the final pricing prospectus filed for the Registration Statement.

"Purchaser Party" shall have the meaning ascribed to such term in Section 4.8.

"<u>Registration Statement</u>" means the effective registration statement on Form S-1, as amended (File No. 333-274610) filed with Commission and which registers the sale of the Units, the Shares, the Warrants, the Dividend Shares, and the Warrant Shares, and the shares of Common Stock issuable upon conversion of the Shares, the Dividend Shares, and the Warrant Shares.

"Required Approvals" shall have the meaning ascribed to such term in Section 3.1(e).

"<u>Rule 144</u>" means Rule 144 promulgated by the Commission pursuant to the Securities Act, as such Rule may be amended or interpreted from time to time, or any similar rule or regulation hereafter adopted by the Commission having substantially the same purpose and effect as such Rule.

"<u>Rule 424</u>" means Rule 424 promulgated by the Commission pursuant to the Securities Act, as such Rule may be amended or interpreted from time to time, or any similar rule or regulation hereafter adopted by the Commission having substantially the same purpose and effect as such Rule.

"SEC Reports" shall have the meaning ascribed to such term in Section 3.1(h).

"<u>Securities</u>" means the Shares, the Dividend Shares, the Warrants, the Warrant Shares, and shares of Common Stock issuable upon conversion of the Shares, Warrant Shares and Dividend Shares.

"Securities Act" means the Securities Act of 1933, as amended, and the rules and regulations promulgated thereunder.

"Series J Certificate of Designation" means the Certificate of Designation of Preferences, Rights and Limitations of Series J Convertible Redeemable Preferred Stock of the Company.

"<u>Series J Preferred Stock</u>" means (i) Series J Convertible Redeemable Preferred Stock of the Company, par value \$0.0001 per share, issued and issuable pursuant to the Series J Certificate of Designation and (ii) any capital stock into which such Series J Convertible Redeemable Preferred Stock shall have been changed or any share capital resulting from a reclassification of such Series J Convertible Redeemable Preferred Stock.

"Shares" means the shares of Series J Preferred Stock issued or issuable to each Purchaser pursuant to this Agreement.

"<u>Short Sales</u>" means all "short sales" as defined in Rule 200 of Regulation SHO under the Exchange Act (but shall not be deemed to include locating and/or borrowing shares of Common Stock).

"<u>Subscription Amount</u>" means, as to each Purchaser, the aggregate amount to be paid for the Units purchased hereunder as specified below such Purchaser's name on the signature page of this Agreement and next to the heading "Subscription Amount," in United States dollars and in immediately available funds.

"Subsidiaries" means any subsidiary of the Company, which is actively engaged in a trade or business, and shall, where applicable, also include any direct or indirect subsidiary of the Company formed or acquired after the date hereof.

"Sullivan" means Sullivan & Worcester LLP, with offices located at 1633 Broadway, New York, New York 10019.

"Trading Day" means a day on which the principal Trading Market is open for trading.

"<u>Trading Market</u>" means any of the following markets or exchanges on which the Common Stock is listed or quoted for trading on the date in question: the NYSE American, the Nasdaq Capital Market, the Nasdaq Global Market, the Nasdaq Global Select Market or the New York Stock Exchange (or any successors to any of the foregoing).

"<u>Transaction Documents</u>" means this Agreement, the Warrants, and the Placement Agency Agreement, all exhibits and schedules thereto and hereto, and any other documents or agreements executed in connection with the transactions contemplated hereunder.

"Transfer Agent" means Equiniti Trust Company, LLC, the current transfer agent of the Company, with a mailing address of 6201 15th Avenue, Brooklyn, NY, 11219, and any successor transfer agent of the Company.

"<u>Unit</u>" means a fixed combination of [__] Share and [__] Warrant to purchase [__] share of Series J Preferred Stock.

"<u>Unit Subscription Amount</u>" means, as to each Purchaser, the aggregate amount to be paid for Units purchased hereunder as specified below such Purchaser's name on the signature page of this Agreement and next to the heading "Unit Subscription Amount," in United States dollars and in immediately available funds.

"<u>VWAP</u>" means, for any date, the price determined by the first of the following clauses that applies: (a) if the Common Stock is then listed or quoted on a Trading Market, the daily volume weighted average price of the Common Stock for such date (or the nearest preceding date) on the Trading Market on which the Common Stock is then listed or quoted as reported by Bloomberg L.P. (based on a Trading Day from 9:30 a.m. (New York City time) to 4:02 p.m. (New York City time)), (b) if OTCQB or OTCQX is not a Trading Market, the volume weighted average price of the Common Stock for such date (or the nearest preceding date) on OTCQB or OTCQX as applicable, (c) if the Common Stock is not then listed or quoted for trading on OTCQB or OTCQX and if prices for the Common Stock are then reported in The Pink Open Market (or a similar organization or agency succeeding to its functions of reporting prices), the most recent bid price per share of the Common Stock so reported, or (d) in all other cases, the fair market value of a share of Common Stock as determined by an independent appraiser selected in good faith by the Purchasers of a majority in interest of the Securities then outstanding and reasonably acceptable to the Company, the fees and expenses of which shall be paid by the Company.

"<u>Warrants</u>" means, collectively, the purchase warrants delivered to the Purchasers at the Closing in accordance with Section 2.2(a) hereof, which Warrants shall be immediately exercisable and will expire three (3) years from the Closing Date, in the form of <u>Exhibit A</u> attached hereto.

"<u>Warrant Agency Agreement</u>" means that certain warrant agency agreement, dated as of [__], 2023, by and between the Company and the Transfer Agent, as warrant agent.

"Warrant Shares" means the shares of Series J Preferred Stock issuable upon exercise of the Warrants.

ARTICLE II.

PURCHASE AND SALE

2.1 <u>Closing</u>. On the Closing Date, upon the terms and subject to the conditions set forth herein, substantially concurrent with the execution and delivery of this Agreement by the parties hereto, the Company agrees to sell, and the Purchasers, severally and not jointly, agree to purchase, up to an aggregate of [___]Units, with each Unit consisting of [_] Share of Series J Preferred Stock and [_]Warrant to purchase [_] share of Series J Preferred Stock. Each Purchaser's Subscription Amount as set forth on the signature page hereto executed by such Purchaser shall be made available for "Delivery Versus Payment" ("<u>DVP</u>")/"Receipt Versus Payment" ("<u>RVP</u>") settlement with the Company or its designee. The Company shall deliver to each Purchaser its respective Shares and Warrants, and the Company and each Purchaser shall deliver the other items set forth in Section 2.2 deliverable at the Closing. Upon satisfaction of the covenants and conditions set forth in Sections 2.2 and 2.3, the Closing shall occur at the offices of Sullivan or such other location as the parties shall mutually agree or virtually in accordance with the provisions of this Agreement. Unless otherwise directed by the Placement Agents, settlement of the Shares shall occur via DVP/RVP (i.e., on the Closing Date, the Company shall issue the Shares registered in the Purchasers' names and addresses and released by the Transfer Agent directly to the account(s) at the Placement Agents identified by each Purchaser; upon receipt of such Shares, the Placement Agents shall promptly electronically deliver such Shares to the applicable Purchaser, and payment therefor shall be made by the Placement Agents (or their clearing firm) by wire transfer to the Company), and delivery of the Warrants shall be made via The Depository Trust Company Deposit or Withdrawal at Custodian system ("<u>DWAC</u>") for the account of the applicable Purchaser.

2.2 Deliveries.

(a) On or prior to the Closing Date, the Company shall deliver or cause to be delivered to each Purchaser the following:

(i) this Agreement duly executed by the Company;

(ii) a legal opinion of Company Counsel, in a form reasonably satisfactory to the Placement Agents;

(iii) the Company shall have provided the Placement Agents and/or each Purchaser with the Company's wire instructions, on Company letterhead and executed by the Chief Executive Officer or Chief Financial Officer;

(iv) a copy of the irrevocable instructions to the Transfer Agent instructing the Transfer Agent to deliver on an expedited basis via DWAC Shares equal to such Purchaser's Unit Subscription Amount divided by the Per Unit Purchase Price, registered in the name of such Purchaser;

(v) the Prospectus and Final Prospectus (which may be delivered in accordance with Rule 172 under the Securities Act); and

(vi) a Warrant registered in the name of such Purchaser to purchase up to a number of shares of Series J Preferred Stock equal to [__]% of such Purchaser's Shares with an exercise price equal to \$[__], subject to adjustment therein.

(b) On or prior to the Closing Date, each Purchaser shall deliver or cause to be delivered to the Company, the following:

(i) this Agreement duly executed by such Purchaser; and

(ii) such Purchaser's Subscription Amount, which shall be made available for DVP/RVP settlement with the Company or its designee.

2.3 Closing Conditions.

(a) The obligations of the Company hereunder in connection with the Closing are subject to the following conditions being met:

(i) the accuracy in all material respects (or, to the extent representations or warranties are qualified by materiality or Material Adverse Effect, in all respects) on the Closing Date of the representations and warranties of the Purchasers contained herein (unless as of a specific date therein in which case they shall be accurate as of such date);

(ii) all obligations, covenants and agreements of each Purchaser required to be performed at or prior to the Closing Date shall have been performed; and

(iii) the delivery by each Purchaser of the items set forth in Section 2.2(b) of this Agreement.

(b) The respective obligations of the Purchasers hereunder in connection with the Closing are subject to the following conditions being

met:

(i) the accuracy in all material respects (or, to the extent representations or warranties are qualified by materiality or Material Adverse Effect, in all respects) when made and on the Closing Date of the representations and warranties of the Company contained herein (unless as of a specific date therein in which case they shall be accurate as of such date);

(ii) all obligations, covenants and agreements of the Company required to be performed at or prior to the Closing Date shall have been performed;

(iii) the delivery by the Company of the items set forth in Section 2.2(a) of this Agreement;

(iv) there shall have been no Material Adverse Effect with respect to the Company since the date hereof;

(v) the Registration Statement shall be effective on the date of this Agreement and at the Closing Date, no stop order suspending the effectiveness of the Registration Statement shall have been issued and no proceedings for that purpose shall have been instituted or shall be pending or contemplated by the Commission and any request on the part of the Commission for additional information shall have been complied with to the reasonable satisfaction of the Placement Agents; and

(vi) from the date hereof to the Closing Date, trading in the Common Stock shall not have been suspended by the Commission or the Company's principal Trading Market, and, at any time prior to the Closing Date, trading in securities generally as reported by Bloomberg L.P. shall not have been suspended or limited, or minimum prices shall not have been established on securities whose trades are reported by such service, or on any Trading Market, nor shall a banking moratorium have been declared either by the United States or New York State authorities nor shall there have occurred any material outbreak or escalation of hostilities or other national or international calamity of such magnitude in its effect on, or any material adverse change in, any financial market which, in each case, in the reasonable judgment of such Purchaser, makes it impracticable or inadvisable to purchase the Securities at the Closing.

ARTICLE III.

REPRESENTATIONS AND WARRANTIES

3.1 <u>Representations and Warranties of the Company</u>. The Company hereby makes the following representations and warranties to each Purchaser:

(a) <u>Subsidiaries</u>. All of the direct and indirect Subsidiaries of the Company are set forth in the Registration Statement. The Company owns, directly or indirectly, all of the capital stock or other equity interests of each Subsidiary free and clear of any Liens, and all of the issued and outstanding shares of capital stock of each Subsidiary are validly issued and are fully paid, non-assessable and free of preemptive and similar rights to subscribe for or purchase securities.

(b) <u>Organization and Qualification</u>. Each of the Company and its Subsidiaries is an entity duly incorporated or otherwise formed, validly existing and in good standing under the laws of the jurisdiction of its incorporation or formation, with the requisite power and authority to own and use its properties and assets and to carry on its business as currently conducted. Neither the Company nor any Subsidiary is in violation nor default of any of the provisions of its respective certificate or articles of incorporation, bylaws or other organizational or charter documents. Each of the Company and the Subsidiaries is duly qualified to conduct business and is in good standing as a foreign corporation or other entity in each jurisdiction in which the nature of the business conducted or property owned by it makes such qualification necessary, except where the failure to be so qualified or in good standing, as the case may be, would not reasonably be expected to result in: (i) a material adverse effect on the legality, validity or enforceability of any Transaction Document, (ii) a material adverse effect on the results of operations, assets, business, prospects or condition (financial or otherwise) of the Company and the Subsidiaries, taken as a whole, or (iii) a material adverse effect on the Company's ability to perform in any material respect on a timely basis its obligations under any Transaction Document (any of (i), (ii) or (iii), a "<u>Material Adverse Effect</u>") and no Proceeding has been instituted in any such jurisdiction revoking, limiting or curtailing or seeking to revoke, limit or curtail such power and authority or qualification.

(c) <u>Authorization; Enforcement</u>. The Company has the requisite corporate power and authority to enter into and to consummate the transactions contemplated by this Agreement and each of the other Transaction Documents to which the Company is a party and otherwise to carry out its obligations hereunder and thereunder. The execution and delivery of this Agreement and each of the other Transaction Documents by the Company and the consummation by it of the transactions contemplated hereby and thereby have been duly authorized by all necessary action on the part of the Company and no further action is required by the Company, the Board of Directors or the Company's stockholders in connection herewith or therewith other than in connection with the Required Approvals. This Agreement and each other Transaction Document to which it is a party has been (or upon delivery will have been) duly executed by the Company and, when delivered in accordance with the terms hereof and thereof, will constitute the valid and binding obligation of the Company enforceable against the Company in accordance with its terms, except (i) as limited by general equitable principles and applicable bankruptcy, insolvency, liquidation, possessory liens, rights of set off, merger, consolidation, reorganization, moratorium and other laws of general application affecting enforcement of creditors' rights generally, (ii) as limited by laws relating to the statutory limitation of the time within which proceedings may be brought or availability of specific performance, injunctive relief or other equitable remedies and (iii) insofar as indemnification and contribution provisions may be limited by applicable law.

(d) <u>No Conflicts</u>. The execution, delivery and performance by the Company of this Agreement and the other Transaction Documents to which it is a party, the issuance and sale of the Securities and the consummation by it of the transactions contemplated hereby and thereby do not and will not (i) conflict with or violate any provision of the Company's or any Subsidiary's certificate or articles of incorporation, bylaws or other organizational or charter documents, or (ii) conflict with, or constitute a default (or an event that with notice or lapse of time or both would become a default) under, result in the creation of any Lien upon any of the properties or assets of the Company or any Subsidiary, or give to others any rights of termination, amendment, anti-dilution or similar adjustments, acceleration or cancellation (with or without notice, lapse of time or both) of, any agreement, credit facility, debt or other instrument (evidencing a Company or Subsidiary debt or otherwise) or other understanding to which the Company or any Subsidiary is a party or by which any property or asset of the Company or any Subsidiary is bound or affected, or (iii) subject to the Required Approvals, conflict with or result in a violation of any law, rule, regulation, order, judgment, injunction, decree or other restriction of any court or governmental authority to which the Company or a Subsidiary is subject (including federal and state securities laws and regulations), or by which any property or asset of the Company or affected; except in the case of each of clauses (ii) and (iii) such as would not reasonably be expected to result in a Material Adverse Effect.

(e) <u>Filings, Consents and Approvals</u>. The Company is not required to obtain any consent, waiver, authorization or order of, give any notice to, or make any filing or registration with, any court or other federal, state, provincial, local or other governmental authority or other Person in connection with the execution, delivery and performance by the Company of the Transaction Documents, other than: (i) the filings required pursuant to Section 4.4 of this Agreement, (ii) such as have been obtained or made under the Securities Act, (iii) the filing with the Commission of the Final Prospectus, (iii) application(s) to each applicable Trading Market for the listing of the shares of Common Stock upon the conversion of the Shares, Warrant Shares and the Dividend Shares, for trading thereon in the time and manner required thereby, (iv) such filings as are required to be made under applicable state securities laws and (v) such as those that, if not obtained, given or made, would not reasonably be expected to result in a Material Adverse Effect (collectively, the "<u>Required Approvals</u>").

(f) Issuance of the Securities; Registration.

(i) The Shares, Warrant Shares and Dividend Shares to be issued are duly authorized and, when issued and paid for in accordance with the applicable Transaction Documents, to the extent applicable, will be duly and validly issued, fully paid and nonassessable, free and clear of all Liens imposed by the Company. The Warrants have been duly authorized and, when executed and delivered by the Company against payment therefor pursuant to the applicable Transaction Documents, will be valid and binding agreements of the Company enforceable against the Company in accordance with their terms. The Company has reserved from its duly authorized capital stock the maximum number of shares of Series J Preferred Stock issuable pursuant to this Agreement, the Series J Certificate of Designation and the Warrants and the maximum number of shares of Common Stock issuable upon conversion of the shares of Series J Preferred Stock issued in accordance with this Agreement, the Series J Certificate of Designation and the Warrants. All corporate action required to be taken for the authorization, issuance and sale of the Securities has been duly and validly taken.

(ii) The Company has prepared and filed the Registration Statement in conformity with the requirements of the Securities Act, which became effective on [____], 2023 (the "Effective Date"), including the Prospectus, and such amendments and supplements thereto as may have been required to the date of this Agreement. The Registration Statement is effective under the Securities Act and no stop order preventing or suspending the effectiveness of the Registration Statement or suspending or preventing the use of the Prospectus has been issued by the Commission and no proceedings for that purpose have been instituted or, to the knowledge of the Company, are threatened by the Commission. The Company, if required by the rules and regulations of the Commission, shall file the Final Prospectus with the Commission pursuant to Rule 424(b). At the time the Registration Statement and any amendments thereto became effective, at the date of this Agreement and at the Closing Date, the Registration Statement and any amendments thereto conformed and will conform in all material respects to the requirements of the Securities Act and did not and will not contain any untrue statement of a material fact or omit to state any material fact required to be stated therein or necessary to make the statements therein not misleading; and the Prospectus and any amendments or supplements thereto, at the time the Prospectus or any amendment or supplement thereto was issued and at the Closing Date, conformed and will conform in all material respects to the requirements of the Securities Act and did not and will not contain an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading. All corporate action required to be taken for the authorization, issuance and sale of the Shares, Warrants, Warrant Shares, Dividend Shares, and the shares of Common Stock upon conversion of the Shares, Warrant Shares, Dividend Shares has been duly and validly taken. The Securities conform in all material respects to all statements with respect thereto contained in the Registration Statement and the Prospectus.

(g) Capitalization. The capitalization of the Company is as disclosed in the SEC Reports as of the date thereof. The Company has not issued any capital stock since its most recently filed periodic report under the Exchange Act, except as disclosed or contemplated in the SEC Reports. No Person has any right of first refusal, preemptive right, right of participation, or any similar right to participate in the transactions contemplated by the Transaction Documents. The Securities will not be subject to the preemptive rights of any holders of any security of the Company or similar contractual rights granted by the Company. There are no outstanding options, warrants, scrip rights to subscribe to, calls or commitments of any character whatsoever relating to, or securities, rights or obligations convertible into or exercisable or exchangeable for, or giving any Person any right to subscribe for or acquire, any shares of Common Stock or Preferred Stock or the capital stock of any Subsidiary, or contracts, commitments, understandings or arrangements by which the Company or any Subsidiary is or may become bound to issue additional shares of Common Stock, Common Stock Equivalents, Preferred Stock, or Preferred Stock Equivalents or the capital stock of any Subsidiary. The issuance and sale of the Securities and the issuance of securities upon the conversion or exercise of the Securities will not obligate the Company or any Subsidiary to issue shares of Series J Preferred Stock or other securities to any Person (other than the Purchasers). Except as disclosed in the SEC Reports, there are no outstanding securities or instruments of the Company with any provision that adjusts the exercise, conversion, exchange or reset price of such security or instrument upon an issuance of securities by the Company. There are no outstanding securities or instruments of the Company that contain any redemption or similar provisions, and there are no contracts, commitments, understandings or arrangements by which the Company is or may become bound to redeem a security of the Company. The Company does not have any stock appreciation rights or "phantom stock" plans or agreements or any similar plan or agreement. All of the outstanding shares of capital stock of the Company are duly authorized, validly issued, fully paid and nonassessable, have been issued in compliance with all federal and state securities laws, and none of such outstanding shares was issued in violation of any preemptive rights or similar rights to subscribe for or purchase securities. No further approval or authorization of any stockholder, the Board of Directors or others is required for the issuance and sale of the Securities. There are no stockholders agreements, voting agreements or other similar agreements with respect to the Company's capital stock to which the Company is a party or, to the knowledge of the Company, between or among any of the Company's stockholders.

(h) SEC Reports; Financial Statements. The Company has filed all reports, schedules, forms, statements and other documents required to be filed by the Company under the Securities Act and the Exchange Act, including pursuant to Section 13(a) or 15(d) thereof, for two years preceding the date hereof (or such shorter period as the Company was required by law or regulation to file such material) (the foregoing materials, including the exhibits thereto and documents incorporated by reference therein, together with the Registration Statement, Prospectus and the Final Prospectus, being collectively referred to herein as the "SEC Reports") on a timely basis or has received a valid extension of such time of filing and has filed any such SEC Reports prior to the expiration of any such extension. As of their respective dates, the SEC Reports complied in all material respects with the requirements of the Securities Act and the Exchange Act, as applicable, and none of the SEC Reports, when filed, contained any untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading. The Company is not and has never been an issuer subject to Rule 144(i) under the Securities Act. The financial statements of the Company included in the SEC Reports comply in all material respects with applicable accounting requirements and the rules and regulations of the Commission with respect thereto as in effect at the time of filing. Such financial statements have been prepared in accordance with United States generally accepted accounting principles applied on a consistent basis during the periods involved ("GAAP"), except as may be otherwise specified in such financial statements or the notes thereto and except that unaudited financial statements may not contain all footnotes required by GAAP, and fairly present in all material respects the financial position of the Company and its consolidated Subsidiaries as of and for the dates thereof and the results of operations and cash flows for the periods then ended, subject, in the case of unaudited statements, to normal, immaterial, year-end audit adjustments. The agreements and documents described in the Registration Statement and the SEC Reports conform in all material aspects to the descriptions thereof contained therein and there are no agreements or other documents required by the Securities Act and the rules and regulations thereunder to be described in the Registration Statement, the Prospectus or the SEC Reports or to be filed with the Commission as exhibits to the Registration Statement, that have not been so described or filed. Each agreement or other instrument (however characterized or described) to which the Company is a party or by which it is or may be bound or affected and (i) that is referred to in the Registration Statement or the SEC Reports, or (ii) is material to the Company's business, has been duly authorized and validly executed by the Company, is in full force and effect in all material respects and is enforceable against the Company and, to the Company's knowledge, the other parties thereto, in accordance with its terms, except (x) as such enforceability may be limited by bankruptcy, insolvency, reorganization or similar laws affecting creditors' rights generally, (y) as enforceability of any indemnification or contribution provision may be limited under the federal and state securities laws, and (z) that the remedy of specific performance and injunctive and other forms of equitable relief may be subject to the equitable defenses and to the discretion of the court before which any proceeding therefore may be brought. None of such agreements or instruments has been assigned by the Company, and neither the Company nor, to the best of the Company's knowledge, any other party is in default thereunder and, to the best of the Company's knowledge, no event has occurred that, with the lapse of time or the giving of notice, or both, would constitute a default thereunder that has had or that could reasonably be expected to result in a Material Adverse Effect. To the best of the Company's knowledge, performance by the Company of the material provisions of such agreements or instruments will not result in a violation of any existing applicable law, rule, regulation, judgment, order or decree of any governmental agency or court, domestic or foreign, having jurisdiction over the Company or any of its assets or businesses, including, without limitation, those relating to environmental laws and regulations. The other financial and statistical information included in the SEC Reports present fairly, in all material respects, the information included therein and have been prepared on a basis consistent with that of the financial statements that are included in the SEC Reports and the books and records of the respective entities presented therein.

(i) Material Changes; Undisclosed Events, Liabilities or Developments. Since the date of the latest financial statements included within the SEC Reports, (i) there has been no event, occurrence or development that has had or that would reasonably be expected to result in a Material Adverse Effect, (ii) the Company has not incurred any material liabilities (contingent or otherwise) other than (A) trade payables and accrued expenses incurred in the ordinary course of business consistent with past practice and (B) liabilities not required to be reflected in the Company's financial statements pursuant to GAAP or disclosed in filings made with the Commission, (iii) the Company has not altered its method of accounting, (iv) the Company has not declared or made any dividend or distribution of cash or other property to its stockholders or purchased, redeemed or made any agreements to purchase or redeem any shares of its capital stock, other than the payment of the Dividend Shares pursuant to this Agreement and the Series J Certificate of Designation and (v) the Company has not issued any equity securities to any officer, director or Affiliate, except pursuant to existing Company equity plans and employee stock purchase plans, and the issuance of Common Stock Equivalents as disclosed in the SEC Reports. The Company does not have pending before the Commission any request for confidential treatment of information. Except for the issuance of the Securities contemplated by this Agreement or as set forth in the SEC Reports, no event, liability, fact, circumstance, occurrence or development has occurred or exists or is reasonably expected to occur or exist with respect to the Company or its Subsidiaries or their respective businesses, prospects, properties, operations, assets or financial condition that would be required to be disclosed by the Company under applicable securities laws at the time this representation is made or deemed made that has not been publicly disclosed at least 1 Trading Day prior to the date that this representation is made. Unless otherwise disclosed in SEC Reports filed prior to the date hereof, the Company has not: (i) issued any securities or incurred any liability or obligation, direct or contingent, for borrowed money; or (ii) declared or paid any dividend or made any other distribution on or in respect to its capital stock.

(j) Litigation. There has not been and to the knowledge of the Company, there is not pending or contemplated, any action, suit, inquiry, notice of violation, proceeding or investigation pending or, to the knowledge of the Company, threatened against or affecting the Company, any Subsidiary or any of their respective properties before or by any court, arbitrator, governmental or administrative agency or regulatory authority (federal, state, county, local or foreign) (collectively, an "<u>Action</u>") that, if there were an unfavorable decision, would reasonably be expected to result in a Material Adverse Effect. None of the Actions set forth in the SEC Reports, (i) adversely affects or challenges the legality, validity or enforceability of any of the Transaction Documents or the Securities or (ii) could, if there were an unfavorable decision, have or reasonably be expected to result in a Material Adverse Effect. Neither the Company nor any Subsidiary, nor, to the Company's knowledge, any director or officer thereof, is or has been the subject of any Action involving a claim of violation of or liability under federal or state securities laws or a claim of breach of fiduciary duty or which could result in a Material Adverse Effect. To the knowledge of the Company there has not been, and there is not pending or contemplated, any investigation by the Commission involving the Company or any current or former director or officer of the Company. There are no Actions required to be disclosed in the SEC Reports that have not been disclosed. The Commission has not issued any stop order or other order suspending the effectiveness of any registration statement filed by the Company or any Subsidiary under the Exchange Act or the Securities Act.

(k) Labor Relations. No labor dispute exists or, to the knowledge of the Company, is imminent with respect to any of the employees of the Company or any of its Subsidiaries, which could reasonably be expected to result in a Material Adverse Effect. None of the Company's or any Subsidiary's employees is a member of a union that relates to such employee's relationship with the Company or any Subsidiary, and neither the Company nor any Subsidiary is a party to a collective bargaining agreement, and the Company believes that its relationships with its employees are good. To the knowledge of the Company or its Subsidiaries, no executive officer of the Company or any Subsidiary, is, or is now expected to be, in violation of any material term of any employment contract, confidentiality, disclosure or proprietary information agreement or non-competition agreement, or any other contract or agreement or any restrictive covenant in favor of any third party, and the continued employment of each such executive officer does not subject the Company or any Subsidiary to any liability with respect to any of the foregoing matters that would reasonably be expected to have a Material Adverse Effect. Each of the Company and its Subsidiaries is in compliance with all U.S. federal, state, local and foreign laws and regulations relating to employment and employment practices, terms and conditions of employment and wages and hours, except where the failure to be in compliance could not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect.

(1) <u>Compliance</u>. Neither the Company nor any Subsidiary: (i) is in default under or in violation of (and no event has occurred that has not been waived that, with notice or lapse of time or both, would result in a default by the Company or any Subsidiary under), nor has the Company or any Subsidiary received notice of a claim that it is in default under or that it is in violation of, any indenture, loan or credit agreement or any other agreement or instrument to which it is a party or by which it or any of its properties is bound (whether or not such default or violation has been waived), (ii) is in violation of any judgment, decree or order of any court, arbitrator or other governmental authority or (iii) is or has been in violation of any statute, rule, ordinance or regulation of any governmental authority, including without limitation all foreign, federal, state and local laws relating to taxes, environmental protection, occupational health and safety, product quality and safety and employment and labor matters or in each case as would not reasonably be expected to result in a Material Adverse Effect.

(m) Environmental Laws. Each of the Company and the Subsidiaries (i) is in compliance with all federal, state, local and foreign laws relating to pollution or protection of human health or the environment (including ambient air, surface water, groundwater, land surface or subsurface strata), including laws relating to emissions, discharges, releases or threatened releases of chemicals, pollutants, contaminants, or toxic or hazardous substances or wastes (collectively, "<u>Hazardous Materials</u>") into the environment, or otherwise relating to the manufacture, processing, distribution, use, treatment, storage, disposal, transport or handling of Hazardous Materials, as well as all authorizations, codes, decrees, demands, or demand letters, injunctions, judgments, licenses, notices or notice letters, orders, permits, plans or regulations, issued, entered, promulgated or approved thereunder ("<u>Environmental Laws</u>"); (ii) has received all permits licenses or other approvals required of them under applicable Environmental Laws to conduct their respective businesses; and (iii) is in compliance with all terms and conditions of any such permit, license or approval where in each clause (i), (ii) and (iii), the failure to so comply or receive would reasonably be expected to have, individually or in the aggregate, a Material Adverse Effect.

(n) <u>Regulatory Permits</u>. (1) Each of the Company and the Subsidiaries possesses all certificates, licenses, authorizations, approvals, clearances, consents, registration and permits issued by the appropriate federal, state, local or foreign regulatory authorities including, without limitation, those administered by the U.S. Food and Drug Administration ("FDA") of the U.S. Department of Health and Human Services, the Federal Trade Commission (the "FTC"), or by any foreign, federal, state or local governmental or regulatory authority performing functions similar to those performed by the FDA and the FTC, or reasonably necessary to conduct their respective businesses as described in the Registration Statement or the Prospectus, except where the failure to possess such permits would not reasonably be expected to result in a Material Adverse Effect (each, an "Authorization"), and neither the Company or any Subsidiary has received any written notice of proceedings relating to the revocation or modification of any Authorization or the noncompliance with any ordinance, law, rule or regulation applicable to the Company. The disclosures in the Registration Statement, if any concerning the effects of federal, state, local and all foreign regulation on the Company's business as currently contemplated are correct in all material respects. The Company is and has been in material compliance with any term of any such Authorizations, except for any violations which would not reasonably be expected to have a Material Adverse Effect. The Company has not failed to file with the applicable regulatory authorities (including the FDA or any foreign, federal, state or local governmental or regulatory authority performing functions similar to those performed by the FDA) any filing, declaration, listing, registration, report or submission that is required to be so filed for the Company's business operation as currently conducted. All such filings were in material compliance with applicable laws when filed and no deficiencies have been asserted in writing by any applicable regulatory authority (including, without limitation, the FDA or any foreign, federal, state or local governmental or regulatory authority performing functions similar to those performed by the FDA) with respect to any such filings, declarations, listings, registrations, reports or submissions.

(2) Each of the Company and the Subsidiaries: (i) is and at all times has been in substantial compliance with all statutes, rules, or regulations applicable to the ownership, testing, development, manufacture, packaging, processing, use, distribution, marketing, labeling, promotion, advertising, sale, offer for sale, storage, import, export or disposal of any product manufactured or distributed by the Company, including but not limited to the U.S. Food, Drug and Cosmetic Act (the "FDCA") (21 U.S.C. § 301 et seq.), the Federal Trade Commission Act (15 U.S.C. § 41-58) and the rules and regulations of the Consumer Product Safety Commission ("Applicable Laws"), except as could not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect; (ii) has not received any warning letter, untitled letter or other correspondence or notice from any other governmental authority alleging or asserting noncompliance with any Applicable Laws or any Authorizations; (iii) possesses all material Authorizations and such Authorizations are valid and in full force and effect and are not in material violation of any term of any such Authorizations; (iv) has not received notice of any claim, action, suit, proceeding, hearing, enforcement, investigation, arbitration or other action from any governmental authority or third party alleging that any product operation or activity is in violation of any Applicable Laws or Authorizations and has no knowledge that any such governmental authority or third party is considering any such claim, litigation, arbitration, action, suit, investigation or proceeding; (v) has not received notice that any governmental authority has taken, is taking or intends to take action to limit, suspend, modify or revoke any Authorizations and has no knowledge that any such governmental authority is considering such action and the FDA has not sent any warning letters; imposed any fines, penalties or injunctions; or required or requested termination of any distribution of the Company's products; requested or required any recalls or seizures of products; or withdrawals or suspensions of clearances or approvals, resulting in prohibitions on sales of our products; (vi) has filed, obtained, maintained or submitted all material reports, documents, forms, notices, applications, records, claims, submissions and supplements or amendments as required by any Applicable Laws or Authorizations and that all such reports, documents, forms, notices, applications, records, claims, submissions and supplements or amendments were complete and correct on the date filed (or were corrected or supplemented by a subsequent submission); and (vii) to the Company's knowledge, has not, either voluntarily or involuntarily, initiated, conducted, or issued or caused to be initiated, conducted or issued, any recall, market withdrawal or replacement, safety alert, post-sale warning, or other notice or action relating to the alleged lack of safety or efficacy of any product or any alleged product defect or violation and, to the Company's knowledge, no third party has initiated, conducted or intends to initiate any such notice or action.

(3) Neither the Company or any Subsidiary is aware of any manufacturing site (whether Company-owned or that of a third-party manufacturer for the Company's products) that performs manufacturing activity for the Company subject to a governmental authority (including the FDA) shutdown or import or export prohibition.

(4) The statements included in the SEC Reports and incorporated by reference to the Registration Statement and the Prospectus under the caption: "Business—Government Regulations" are true and correct in all material respects; and to the Company's knowledge, there are no health care laws which as of this date are material to the business of the Company which is not described in the Registration Statement or the Prospectus.

(o) <u>Title to Assets</u>. Each of the Company and the Subsidiaries has good and marketable title in fee simple or has valid and marketable rights to lease or otherwise use to all real property and all personal property owned by them that is material to the business of the Company and the Subsidiaries, free and clear of all Liens, except for (i) Liens incurred in connection with purchase money security interests and equipment financings, (ii) Liens as do not materially affect the value of such property and do not materially interfere with the use made and proposed to be made of such property by the Company and the Subsidiaries and (ii) Liens for the payment of federal, provincial, state or other taxes, for which appropriate reserves have been made therefor in accordance with GAAP and, the payment of which is neither delinquent nor subject to penalties. Any real property and facilities held under lease by the Company and the Subsidiaries are held by them under valid, subsisting and enforceable leases with which the Company or any Subsidiary, as applicable, is in compliance except where the failure to be in compliance could not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect.

(p) Intellectual Property. Each of the Company and the Subsidiaries has, or has rights to use, all patents, patent applications, trademarks, trademark applications, service marks, trade names, trade secrets, inventions, copyrights, licenses and other intellectual property rights and similar rights necessary or required for use in connection with their respective businesses as described in the SEC Reports and which the failure to do so would reasonably be expected to have a Material Adverse Effect (collectively, the "Intellectual Property Rights"). Neither the Company or any Subsidiary has received a notice (written or otherwise) that any of, the Intellectual Property Rights has expired, terminated or been abandoned, or is expected to expire or terminate or be abandoned, within two (2) years from the date of this Agreement. Neither the Company or any Subsidiary has received, since the date of the latest audited financial statements included within the SEC Reports, a written notice of a claim or otherwise has any knowledge that the operations of their respective businesses violate or infringe upon the intellectual property rights of any Person, except as would not reasonably be expected to have a Material Adverse Effect. To the knowledge of the Company, all such Intellectual Property Rights are enforceable and there is no existing infringement by another Person of any of the Intellectual Property Rights. Each of the Company and the Subsidiaries has taken reasonable security measures to protect the secrecy, confidentiality and value of all of their intellectual properties, except where failure to do so would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect.

(q) <u>Insurance</u>. Each of the Company and the Subsidiaries is insured by insurers of recognized financial responsibility against such losses and risks and in such amounts as are prudent and customary in the businesses in which the Company and the Subsidiaries are engaged, including, but not limited to, directors and officers insurance coverage in an amount sufficient to run the Company's and any Subsidiary's current business. Neither the Company nor any Subsidiary has any reason to believe that it will not be able to renew its existing insurance coverage as and when such coverage expires or to obtain similar coverage from similar insurers as may be necessary to continue its business without a significant increase in cost.

(r) <u>Transactions With Affiliates and Employees</u>. None of the officers or directors of the Company or any Subsidiary and, to the knowledge of the Company, none of the employees of the Company or any Subsidiary is presently a party to any transaction with the Company or any Subsidiary (other than for services as employees, officers and directors), including any contract, agreement or other arrangement providing for the furnishing of services to or by, providing for rental of real or personal property to or from, providing for the borrowing of money from or lending of money to or otherwise requiring payments to or from any officer, director or such employee or, to the knowledge of the Company, any entity in which any officer, director, or any such employee has a substantial interest or is an officer, director, trustee, stockholder, member or partner, in each case in excess of \$120,000 other than for (i) payment of salary, bonus or consulting fees for services rendered, (ii) reimbursement for expenses incurred on behalf of the Company and (iii) other employee benefits, including stock option agreements under any equity incentive plan of the Company.

(s) Sarbanes-Oxley; Internal Accounting Controls. Each of the Company and the Subsidiaries is in compliance in all material respects with any and all applicable requirements of the Sarbanes-Oxley Act of 2002, as amended that are effective as of the date hereof, and any and all applicable rules and regulations promulgated by the Commission thereunder that are effective as of the date hereof and as of the Closing Date. The Company and the Subsidiaries maintain a system of internal control over financial reporting (as such term is defined in Rule 13a-15(f) under the Exchange Act) that is effective to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with GAAP, including that: (i) transactions are executed in accordance with management's general or specific authorizations, (ii) transactions are recorded as necessary to permit preparation of financial statements in conformity with GAAP and to maintain asset and liability accountability, (iii) access to assets or incurrence of liabilities is permitted only in accordance with management's general or specific authorization, and (iv) the recorded accountability for assets and liabilities is compared with the existing assets at reasonable intervals and appropriate action is taken with respect to any differences. The Company and the Subsidiaries maintain disclosure controls and procedures (as such term is defined in Rules 13a-15(e) under the Exchange Act that information required to be disclosed by the Company in the reports that it files or submits under the Exchange Act is recorded, processed, summarized and reported, within the time periods specified in the rules and forms of the Commission, including, without limitation, controls and procedures designed to ensure that information required to be disclosed by the Company in the reports that it files or submits under the Exchange Act is accumulated and communicated to the Company's management, including its principal executive officer or officers and its principal financial officer or officers, as appropriate, to allow timely decisions regarding required disclosure. The Company has not received any notice or correspondence from any accountant, Governmental Entity or other Person relating to any potential material weakness in any part of the internal controls over financial reporting of the Company. The Company's certifying officers have evaluated the effectiveness of the disclosure controls and procedures of the Company as of the end of the period covered by the most recently filed periodic report under the Exchange Act (such date, the "Evaluation Date"). The Company presented in its most recently filed periodic report under the Exchange Act the conclusions of the certifying officers about the effectiveness of the disclosure controls and procedures based on their evaluations as of the Evaluation Date. Since the Evaluation Date, there have been no changes in the internal control over financial reporting (as such term is defined in the Exchange Act) of the Company that have materially affected, or is reasonably likely to materially affect, the internal control over financial reporting of the Company.

(t) <u>Certain Fees</u>. No brokerage or finder's fees or commissions are or will be payable by the Company, any Subsidiary or Affiliate of the Company to any broker, financial advisor or consultant, finder, placement agent, investment banker, bank or other Person with respect to the transactions contemplated by the Transaction Documents other than the compensation payable to the Placement Agents pursuant to the terms of the Placement Agency Agreement. The Purchasers shall have no obligation with respect to any fees or with respect to any claims made by or on behalf of other Persons for fees of a type contemplated in this Section that may be due in connection with the transactions contemplated by the Transaction Documents.

(u) <u>Investment Company</u>. The Company is not and immediately after receipt of payment for the Securities, will not be required to register as an "investment company" within the meaning of the Investment Company Act of 1940, as amended. The Company shall conduct its business in a manner so that it will not become an "investment company" subject to registration under the Investment Company Act of 1940, as amended.

(v) <u>Registration Rights</u>. Except as disclosed in SEC Reports, no Person has any right to cause the Company or any Subsidiary to effect the registration under the Securities Act of any securities of the Company or any Subsidiary.

(w) <u>Listing and Maintenance Requirements</u>. The Common Stock is registered pursuant to Section 12(b) of the Exchange Act, and the Company has taken no action designed to, or which to its knowledge is likely to have the effect of, terminating the registration of the Common Stock under the Exchange Act nor has the Company received any notification that the Commission is contemplating terminating such registration. The Company has not, in the 12 months preceding the date hereof, received notice from any Trading Market on which the Common Stock is or has been listed or quoted to the effect that the Company is not in compliance with the listing or maintenance requirements of such Trading Market. The Company has no reason to believe that it will not in the foreseeable future continue to be, in compliance with all such listing and maintenance requirements. The Common Stock and the Series J Preferred Stock are currently eligible for electronic transfer through the Depository Trust Company or another established clearing corporation and the Company is current in payment of the fees to the Depository Trust Company (or such other established clearing corporation) in connection with such electronic transfer.

(x) <u>Application of Takeover Protections</u>. The Company and the Board of Directors have taken all necessary action, if any, in order to render inapplicable any control share acquisition, business combination, poison pill (including any distribution under a rights agreement) or other similar anti-takeover provision under the Company's certificate of incorporation (or similar charter documents) or the laws of its state of incorporation that is or could become applicable to the Purchasers as a result of the Purchasers and the Company fulfilling their obligations or exercising their rights under the Transaction Documents, including without limitation as a result of the Company's issuance of the Securities and the Purchasers' ownership of the Securities.

(y) Disclosure. Except with respect to the material terms and conditions of the transactions contemplated by the Transaction Documents, the Company confirms that neither it nor any other Person acting on its behalf has provided any of the Purchasers or their agents or counsel with any information that it believes constitutes or might constitute material, non-public information which is not otherwise disclosed in the Final Prospectus. The Company understands and confirms that the Purchasers will rely on the foregoing representation in effecting transactions in securities of the Company. All of the disclosure furnished by or on behalf of the Company to the Purchasers regarding the Company, its business and the transactions contemplated hereby, is true and correct and does not contain any untrue statement of a material fact or omit to state any material fact necessary in order to make the statements made therein, in the light of the circumstances under which they were made, not misleading. The press releases disseminated by the Company during the twelve months preceding the date of this Agreement taken as a whole do not contain any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary in order to make the statements therein, in light of the circumstances under which they were made and when made, not misleading. There are no documents required to be filed with the Commission in connection with the transaction contemplated hereby that (a) have not been filed as required pursuant to the Securities Act or (b) will not be filed within the requisite time period. There are no contracts or other documents required to be described in the Prospectus, or to be filed as exhibits or schedules to the Registration Statement, which have not been described or filed as required. The statistical and market-related data included in the Prospectus, if any, are based on or derived from sources that the Company reasonably and in good faith believes are reliable and accurate or represent the Company's good faith estimates that are made on the basis of data derived from such sources. The Company has obtained all consents required for the inclusion of such statistical and market-related data in the Prospectus. No forward-looking statement (within the meaning of Section 27A of the Securities Act and Section 21E of the Exchange Act) contained in the Prospectus has been made or reaffirmed without a reasonable basis or has been disclosed other than in good faith. The Company acknowledges and agrees that no Purchaser makes or has made any representations or warranties with respect to the transactions contemplated hereby other than those specifically set forth in Section 3.2 hereof.

(z) <u>No Integrated Offering</u>. Neither the Company, nor any of its controlled Affiliates, nor any Person acting on its or their behalf has, directly or indirectly, made any offers or sales of any security or solicited any offers to buy any security, under circumstances that would cause this offering of the Securities to be integrated with prior offerings by the Company for purposes of (i) the Securities Act and (ii) any applicable shareholder approval provisions of any Trading Market on which any of the securities of the Company are listed or designated.

(aa) Solvency. Based on the consolidated financial condition of the Company as of the Closing Date, after giving effect to the receipt by the Company of the proceeds from the sale of the Securities hereunder, (i) the fair saleable value of the Company's assets exceeds the amount that will be required to be paid on or in respect of the Company's existing debts and other liabilities (including known contingent liabilities) as they mature, (ii) the Company's assets do not constitute unreasonably small capital to carry on its business as now conducted and as proposed to be conducted including its capital needs taking into account the particular capital requirements of the business conducted by the Company, consolidated and projected capital requirements and capital availability thereof, and (iii) the current cash flow of the Company, together with the proceeds the Company would receive, were it to liquidate all of its assets, after taking into account all anticipated uses of the cash, would be sufficient to pay all amounts on or in respect of its liabilities when such amounts are required to be paid. The Company does not intend to incur debts beyond its ability to pay such debts as they mature (taking into account the timing and amounts of cash to be payable on or in respect of its debt). The Company has no knowledge of any facts or circumstances which lead it to believe that it will file for reorganization or liquidation under the bankruptcy or reorganization laws of any jurisdiction within one year from the Closing Date. For the avoidance of doubt, such reorganization does not include the Company's mergers, acquisitions or other strategic transactions which are not for the primary purpose of avoiding bankruptcy. For the purposes of this Agreement, "Indebtedness" means (x) any liabilities for borrowed money or amounts owed in excess of \$50,000 (other than trade accounts payable incurred in the ordinary course of business), (y) all guaranties, endorsements and other contingent obligations in respect of indebtedness of others, whether or not the same are or should be reflected in the Company's consolidated balance sheet (or the notes thereto), except guaranties by endorsement of negotiable instruments for deposit or collection or similar transactions in the ordinary course of business; and (z) the present value of any lease payments in excess of \$50,000 due under leases required to be capitalized in accordance with GAAP. The Company is not in default with respect to any Indebtedness.

(bb) <u>Tax Status</u>. Except for matters that would not, individually or in the aggregate, have or reasonably be expected to result in a Material Adverse Effect, each of the Company and its Subsidiaries (i) has made or filed or secured extensions for filing of, all applicable United States federal, state and local income and all foreign income and franchise tax returns, reports and declarations required by any jurisdiction to which it is subject, (ii) has paid all taxes and other governmental assessments and charges that are material in amount, shown or determined to be due on such returns, reports and declarations and (iii) has set aside on its books provision reasonably adequate for the payment of all material taxes for periods subsequent to the periods to which such returns, reports or declarations apply. There are no unpaid taxes in any material amount claimed to be due by the taxing authority of any jurisdiction, and the officers of the Company or of any Subsidiary know of no basis for any such claim. The term "taxes" mean all federal, state, local, foreign, and other net income, gross income, gross receipts, sales, use, ad valorem, transfer, franchise, profits, license, lease, service, service use, withholding, payroll, employment, excise, severance, stamp, occupation, premium, property, windfall profits, customs, duties or other taxes, fees, assessments, or charges of any kind whatsoever, together with any interest and any penalties, additions to tax, or additional amounts with respect thereto. The term "returns" means all returns, declarations, reports, statements, and other documents required to be filed in respect to taxes.

(cc) <u>Foreign Corrupt Practices</u>. Neither the Company, any Subsidiary, nor to the knowledge of the Company, any agent or other person acting on behalf of the Company or any Subsidiary, has (i) directly or indirectly, used any funds for unlawful contributions, gifts, entertainment or other unlawful expenses related to foreign or domestic political activity, (ii) made any unlawful payment to foreign or domestic government officials or employees or to any foreign or domestic political parties or campaigns from corporate funds, (iii) failed to disclose fully any contribution made by the Company (or made by any person acting on its behalf of which the Company is aware) which is in violation of law, or (iv) violated in any material respect any provision of FCPA. Each of the Company and the Subsidiaries has taken reasonable steps to ensure that its accounting controls and procedures are sufficient to cause the Company or any Subsidiary to comply in all material respects with the FCPA.

(dd) <u>Illegal or Unauthorized Payments; Political Contributions</u>. Neither the Company, any Subsidiary nor any of the officers, directors, employees, agents or other representatives of the Company or any other business entity or enterprise with which the Company is or has been affiliated or associated, has, directly or indirectly, made or authorized any payment, contribution or gift of money, property, or services, whether or not in contravention of applicable law, (i) as a kickback or bribe to any Person or (ii) to any political organization, or the holder of or any aspirant to any elective or appointive public office except for personal political contributions not involving the direct or indirect use of funds of the Company or any Subsidiary.

(ee) <u>Accountants</u>. The Company's registered independent accounting firm is Baker Tilly US, LLP. To the knowledge and belief of the Company, such accounting firm is a registered public accounting firm as required by the Exchange Act and shall express its opinion with respect to the financial statements to be included in the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2023.

(ff) <u>Acknowledgment Regarding Purchasers' Purchase of Securities</u>. The Company acknowledges and agrees that each of the Purchasers is acting solely in the capacity of an arm's length purchaser with respect to the Transaction Documents and the transactions contemplated thereby. The Company further acknowledges that no Purchaser is acting as a financial advisor or fiduciary of the Company (or in any similar capacity) with respect to the Transaction Documents and the transaction Documents and the transaction Documents or any of their respective representatives or agents in connection with the Transaction Documents and the transactions contemplated thereby is merely incidental to the Purchasers' purchase of the Securities. The Company further represents to each Purchaser that the Company's decision to enter into this Agreement and the other Transaction Documents has been based solely on the independent evaluation of the transactions contemplated hereby by the Company and its representatives.

(gg) <u>Acknowledgment Regarding Purchaser's Trading Activity</u>. Anything in this Agreement or elsewhere herein to the contrary notwithstanding (except for Sections 3.2(f) and 4.13 hereof), it is understood and acknowledged by the Company that: (i) none of the Purchasers has been asked by the Company to agree, nor has any Purchaser agreed, to desist from purchasing or selling, long and/or short, securities of the Company, or "derivative" securities based on securities issued by the Company or to hold the Securities for any specified term; (ii) past or future open market or other transactions by any Purchaser, specifically including, without limitation, Short Sales or "derivative" transactions, before or after the closing of this or future, private, placement transactions, may negatively impact the market price of the Company's publicly-traded securities; (iii) any Purchaser, and counter-parties in "derivative" transactions to which any such Purchaser is a party, directly or indirectly, presently may have a "short" position in the Common Stock, and (iv) each Purchaser shall not be deemed to have any affiliation with or control over any arm's length counter-party in any "derivative" transaction. The Company further understands and acknowledges that (y) one or more Purchasers may engage in hedging activities at various times during the period that the Securities are outstanding, including, without limitation, during the periods that the value of the Warrant Shares deliverable with respect to Securities are being determined, and (z) such hedging activities are being conducted. The Company acknowledges that such aforementioned hedging activities do not constitute a breach of any of the Transaction Documents.

(hh) <u>Regulation M Compliance</u>. The Company has not, and to its knowledge no one acting on its behalf has, (i) taken, directly or indirectly, any action designed to cause or to result in the stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of any of the Securities, (ii) sold, bid for, purchased, or, paid any compensation for soliciting purchases of, any of the Securities, or (iii) paid or agreed to pay to any Person any compensation for soliciting another to purchase any other securities of the Company, other than, in the case of clauses (ii) and (iii), compensation paid to the Placement Agents in connection with the placement of the Securities.

(ii) <u>D&O Questionnaires</u>. To the Company's knowledge, all information contained in the questionnaires most recently completed by each of the Company's directors and officers and beneficial owner of 5% or more of the Common Stock or Common Stock Equivalents is true and correct in all respects and the Company has not become aware of any information which would cause the information disclosed in such questionnaires become inaccurate and incorrect.

(jj) <u>Cybersecurity</u>. The Company's and each of the Subsidiaries' information technology assets and equipment, computers, systems, networks, hardware, software, websites, applications, and databases (collectively, "<u>IT Systems</u>") are adequate for, and operate and perform in all material respects as required in connection with the operation of the business of the Company and the Subsidiaries as currently conducted, free and clear of all material bugs, errors, defects, Trojan horses, time bombs, malware and other corruptants that would reasonably be expected to have a Material Adverse Effect on the Company's or any Subsidiary's business. Each of the Company and the Subsidiaries has implemented and maintained commercially reasonable physical, technical and administrative controls, policies, procedures, and safeguards to maintain and protect their material confidential information and the integrity, continuous operation, redundancy and security of all IT Systems and data (including all personal, personally identifiable, sensitive, confidential or regulated data ("<u>Personal Data</u>") used in connection with their businesses There have been no breaches, violations, outages or unauthorized uses of or access to the IT Systems or Personal Data in use or possession of the Company or any Subsidiary, and each of the Company and the Subsidiaries is presently in compliance with all applicable laws or statutes and all judgments, orders, rules and regulations of any court or arbitrator or governmental or regulatory authority, internal policies and contractual obligations relating to the privacy and security of IT Systems and Personal Data and to the protection of such IT Systems and Personal Data from unauthorized use, access, misappropriation or modification, in each case, except for such breaches, violations, outages, unauthorized uses of or access to, or non-compliance, as would not, individually or in the aggregate, reasonably be expected to result in a Material Adverse Effect.

(kk) <u>Compliance with Data Privacy Laws</u>. Each of the Company and its Subsidiaries is, and at all prior times was, in compliance with all applicable state, federal, and international data privacy and security laws and regulations (collectively, the "<u>Privacy Laws</u>"), except where the failure to so comply would not reasonably be expected to result in a Material Adverse Effect. To ensure compliance with the Privacy Laws, each of the Company and its Subsidiaries has in place and take appropriate steps reasonably designed to ensure compliance in all material respects with their policies and procedures relating to data privacy and security and the collection, storage, use, disclosure, handling, and analysis of Personal Data (the "<u>Policies</u>"). Each of the Company and its Subsidiaries has at all times made all disclosures to users or customers required by applicable laws and regulatory rules or requirements, and none of such disclosures made or contained in any Policy have, to the knowledge of the Company, been inaccurate or in violation of any applicable laws and regulatory rules or requirements, and none of such disclosures Effect. The Company further certifies that: (i) neither the Company nor any Subsidiary has received notice of any actual or potential liability under or relating to, or actual or potential violation of, any of the Privacy Laws, and has knowledge of any event or condition that would reasonably be expected to result in any such notice; (ii) neither the Company nor any Subsidiary is currently conducting or paying for, in whole or in part, any investigation, remediation, or other corrective action pursuant to any Privacy Law, in each case except as would not, individually or in the aggregate, reasonably be expected to result in a Material Adverse Effect.

(ll) <u>Stock Option Plans or Equity Incentive Plans</u>. Each stock option granted by the Company under the Company's stock option plan or equity incentive plan was granted (i) in accordance with the terms of the Company's stock option plan or equity incentive plan and (ii) with an exercise price at least equal to the fair market value of the Common Stock on the date such stock option would be considered granted under GAAP and applicable law. No stock option granted under the Company's stock option plan or equity incentive plan has been backdated. The Company has not knowingly granted, and there is no and has been no Company policy or practice to knowingly grant, stock options prior to, or otherwise knowingly coordinate the grant of stock options with, the release or other public announcement of material information regarding the Company or its Subsidiaries or their financial results or prospects.

(mm) <u>Office of Foreign Assets Control</u>. Neither the Company, nor any Subsidiary, nor, to the Company's knowledge, any director, officer, agent, employee or controlled affiliate of the Company or any Subsidiary is currently subject to any U.S. sanctions administered by the Office of Foreign Assets Control of the U.S. Treasury Department ("<u>OFAC</u>").

(nn) <u>U.S. Real Property Holding Corporation</u>. The Company is not and has never been a U.S. real property holding corporation within the meaning of Section 897 of the Internal Revenue Code of 1986, as amended, and the Company shall so certify upon Purchaser's request.

(oo) <u>Bank Holding Company Act</u>. Neither the Company nor any of its Subsidiaries or Affiliates is subject to the Bank Holding Company Act of 1956, as amended (the "<u>BHCA</u>") and to regulation by the Board of Governors of the Federal Reserve System (the "<u>Federal Reserve</u>"). Neither the Company nor any of its Subsidiaries or Affiliates owns or controls, directly or indirectly, five percent (5%) or more of the outstanding shares of any class of voting securities or twenty-five percent or more of the total equity of a bank or any entity that is subject to the BHCA and to regulation by the Federal Reserve. Neither the Company nor any of its Subsidiaries or Affiliates exercises a controlling influence over the management or policies of a bank or any entity that is subject to the BHCA and to regulation by the Federal Reserve.

(pp) <u>Money Laundering</u>. The operations of each of the Company and its Subsidiaries are and have been conducted at all times in compliance with applicable financial record-keeping and reporting requirements of the Currency and Foreign Transactions Reporting Act of 1970, as amended, applicable money laundering statutes and applicable rules and regulations thereunder (collectively, the "<u>Money Laundering Laws</u>"), and no Action or Proceeding by or before any court or governmental agency, authority or body or any arbitrator involving the Company with respect to the Money Laundering Laws is pending or, to the knowledge of the Company, threatened.

(qq) <u>Other Covered Persons</u>. Other than the Placement Agents, the Company is not aware of any person that has been or will be paid (directly or indirectly) remuneration for solicitation of purchasers in connection with the sale of any Securities.

(rr) FINRA Affiliation. No officer, director or any beneficial owner of 10% or more of the Company's Common Stock or Common Stock Equivalents has any direct or indirect affiliation or association with any member of the Financial Industry Regulatory Authority ("FINRA") (as determined in accordance with the rules and regulations of FINRA) that is participating in the offering. Except for securities purchased on the open market, no Company Affiliate is an owner of stock or other securities of any member of FINRA. No Company Affiliate has made a subordinated loan to any member of FINRA. No proceeds from the sale of the Securities (excluding compensation as disclosed in the Prospectus to the Placement Agents) will be paid to any FINRA member, any persons associated with a FINRA member or an affiliate of a FINRA member. Except as disclosed in the Registration Statement and Prospectus and except for securities issued to the Placement Agents as disclosed in the Prospectus, no person to whom securities of the Company have been privately issued within the 180-day period prior to the initial filing date of the Prospectus is a FINRA member, is a person associated with a FINRA member or is an affiliate of a FINRA member. No FINRA member participating in the offering has a conflict of interest with the Company. For this purpose, a "conflict of interest" exists when a FINRA member, the parent or affiliate of a FINRA member or any person associated with a FINRA member in the aggregate beneficially own 5% or more of the Company's outstanding subordinated debt or common equity, or 5% or more of the Company's preferred equity. "FINRA member participating in the offering" includes any associated person of a FINRA member that is participating in the offering, any member of such associated person's immediate family and any affiliate of a FINRA member that is participating in the offering. "Any person associated with a FINRA member" means (1) a natural person who is registered or has applied for registration under the rules of FINRA and (2) a sole proprietor, partner, officer, director, or branch manager of a FINRA member, or other natural person occupying a similar status or performing similar functions, or a natural person engaged in the investment banking or securities business who is directly or indirectly controlling or controlled by a FINRA member. When used in this Section 3.1(rr) the term "affiliate of a FINRA member" or "affiliated with a FINRA member" means an entity that controls, is controlled by or is under common control with a FINRA member. The Company will advise the Placement Agents and Sullivan if it learns that any officer, director or owner of 5% or more of the Company's outstanding Common Stock or Common Stock Equivalents is or becomes an affiliate or associated person of a FINRA member firm.

(ss) <u>Officers' Certificate</u>. Any certificate signed by any duly authorized officer of the Company and delivered to the Purchasers shall be deemed a representation and warranty by the Company to the Purchasers as to the matters covered thereby.

(tt) <u>Board of Directors</u>. The qualifications of the persons serving as board members and the overall composition of the Board of Directors comply with SOX and the rules promulgated thereunder applicable to the Company and the rules of the Trading Market. At least one member of the Board of Directors qualifies as a "financial expert" as such term is defined under SOX and the rules promulgated thereunder and the rules of the Trading Market. In addition, at least a majority of the persons serving on the Board of Directors qualify as "independent" as defined under the rules of the Trading Market.

(uu) <u>Ineligible Issuer Status</u>. At the time of filing the Registration Statement and at the date hereof, the Company was not and is not an "ineligible issuer," as defined under Rule 405 under the Securities Act.

(vv) [Reserved].

(ww) <u>No Relationships with Customers and Suppliers</u>. No relationship, direct or indirect, exists between or among the Company, on the one hand, and the directors, officers, stockholders, customers or suppliers of the Company or any of the Company's affiliates, on the other hand, which is required to be described in the Registration Statement and the Prospectus or a document incorporated by reference therein and which is not so described.

3.2 <u>Representations and Warranties of the Purchasers</u>. Each Purchaser, for itself and for no other Purchaser, hereby represents and warrants as of the date hereof and as of the Closing Date to the Company as follows (unless as of a specific date therein, in which case they shall be accurate as of such date):

(a) <u>Organization; Authority</u>. Such Purchaser is either an individual or an entity duly incorporated or formed, validly existing and in good standing under the laws of the jurisdiction of its incorporation or formation with full right, corporate, partnership limited liability company or similar power and authority to enter into and to consummate the transactions contemplated by the Transaction Documents and otherwise to carry out its obligations hereunder and thereunder. The execution and delivery of the Transaction Documents and performance by such Purchaser of the transactions contemplated by the Transaction Documents have been duly authorized by all necessary corporate, partnership, limited liability company or similar action, as applicable, on the part of such Purchaser. Each Transaction Document to which it is a party has been duly executed by such Purchaser, and when delivered by such Purchaser in accordance with the terms hereof, will constitute the valid and legally binding obligation of such Purchaser, enforceable against it in accordance with its terms, except: (i) as limited by general equitable principles and applicable bankruptcy, insolvency, reorganization, moratorium and other laws of general application affecting enforcement of creditors' rights generally, (ii) as limited by laws relating to the availability of specific performance, injunctive relief or other equitable remedies and (iii) insofar as indemnification and contribution provisions may be limited by applicable law.

(b) <u>Understandings or Arrangements</u>. Such Purchaser is acquiring the Securities hereunder in the ordinary course of its business. Such Purchaser is acquiring such Securities as principal for his, her or its own account and has no direct or indirect arrangement or understandings with any other persons to distribute or regarding the distribution of such Securities in violation of the Securities Act or any applicable state securities law (this representation and warranty not limiting such Purchaser's right to sell such Securities pursuant to a registration statement or otherwise in compliance with applicable federal and state securities laws).

(c) [RESERVED]

(d) <u>Experience of Such Purchaser</u>. Such Purchaser, either alone or together with its representatives, has such knowledge, sophistication and experience in business and financial matters so as to be capable of evaluating the merits and risks of the prospective investment in the Securities, and has so evaluated the merits and risks of such investment. Such Purchaser is able to bear the economic risk of an investment in the Securities and, at the present time, is able to afford a complete loss of such investment.

(e) Access to Information. Such Purchaser acknowledges that it has had the opportunity to review the Transaction Documents (including all exhibits and schedules thereto) and the SEC Reports and has been afforded, (i) the opportunity to ask such questions as it has deemed necessary of, and to receive answers from, representatives of the Company concerning the terms and conditions of the offering of the Securities and the merits and risks of investing in the Securities; (ii) access to information about the Company and its financial condition, results of operations, business, properties, management and prospects sufficient to enable it to evaluate its investment; and (iii) the opportunity to obtain such additional information that the Company possesses or can acquire without unreasonable effort or expense that is necessary to make an informed investment decision with respect to the investment. Such Purchaser acknowledges and agrees that none of the Placement Agents or any Affiliate of the Placement Agents has provided such Purchaser with any information or advice with respect to the Securities nor is such information or advice necessary or desired. None of the Placement Agents or any Affiliate has made or makes any representation as to the Company or the quality of the Securities and the Placement Agents and any Affiliate may have acquired non-public information with respect to the Company which such Purchaser agrees need not be provided to it. In connection with the issuance of the Securities to such Purchaser, none of the Placement Agents or any of their Affiliates has acted as a financial advisor or fiduciary to such Purchaser.

(f) <u>Certain Transactions and Confidentiality</u>. Other than consummating the transactions contemplated hereunder, such Purchaser has not, nor has any Person acting on behalf of or pursuant to any understanding with such Purchaser, directly or indirectly executed any purchases or sales, including Short Sales, of the securities of the Company during the period commencing as of the time that the Registration Statement was initially publicly filed with the Commission. Notwithstanding the foregoing, in the case of a Purchaser that is a multi-managed investment vehicle whereby separate portfolio managers manage separate portions of such Purchaser's assets and the portfolio managers have no direct knowledge of the investment decisions made by the portfolio managers managed by the portfolio manager that made the investment decision to purchase the Securities covered by this Agreement. Other than to other Persons party to this Agreement or to such Purchaser's representatives, including, without limitation, its officers, directors, partners, legal and other advisors, employees, agents and Affiliates, such Purchaser has maintained the confidentiality of all disclosures made to it in connection with this transaction (including the existence and terms of this transaction). Notwithstanding the foregoing, for the avoidance of doubt, nothing contained herein shall constitute a representation or warranty, or preclude any actions, with respect to locating or borrowing shares in order to effect Short Sales or similar transactions in the future.

The Company acknowledges and agrees that the representations contained in this Section 3.2 shall not modify, amend or affect such Purchaser's right to rely on the Company's representations and warranties contained in this Agreement or any representations and warranties contained in any other Transaction Document or any other document or instrument executed and/or delivered in connection with this Agreement or the consummation of the transactions contemplated hereby. Notwithstanding the foregoing, for the avoidance of doubt, nothing contained herein shall constitute a representation or warranty, or preclude any actions, with respect to locating or borrowing shares in order to effect Short Sales or similar transactions in the future.

ARTICLE IV.

OTHER AGREEMENTS OF THE PARTIES

4.1 Legends. The shares of Common Stock issuable upon conversion of the Series J Preferred Stock, the Warrant Shares issuable upon exercise of the Warrants, and the Dividend Shares shall be issued free of all restrictive legends.

4.2 <u>Furnishing of Information</u>. Until the earlier of the time that (i) no Purchaser owns any Securities, or (ii) the Warrants have expired, the Company covenants to timely file (or obtain extensions in respect thereof and file within the applicable grace period) all reports required to be filed by the Company after the date hereof pursuant to the Exchange Act even if the Company is not then subject to the reporting requirements of the Exchange Act.

4.3 <u>Integration</u>. The Company shall not sell, offer for sale or solicit offers to buy or otherwise negotiate in respect of any security (as defined in Section 2 of the Securities Act) that would be integrated with the offer or sale of the Securities in a manner that would require the registration under the Securities Act of the sale of the Warrants or Warrant Shares or that would be integrated with the offer or sale of the Securities for purposes of the rules and regulations of any Trading Market such that it would require shareholder approval prior to the closing of such other transaction unless shareholder approval is obtained before the closing of such subsequent transaction.

4.4 Securities Laws Disclosure; Publicity. The Company shall (a) by the Disclosure Time, issue a press release disclosing the material terms of the transactions contemplated hereby, and (b) file a Current Report on Form 8-K, including the Transaction Documents as exhibits thereto, with the Commission within the time required by the Exchange Act. From and after the issuance of such press release, the Company represents to the Purchasers that it shall have publicly disclosed all material, non-public information delivered to any of the Purchasers by the Company, or any of their respective officers, directors, employees, controlled Affiliates or agents, including, without limitation, the Placement Agents, in connection with the transactions contemplated by the Transaction Documents. In addition, effective upon the issuance of such press release, the Company acknowledges and agrees that any and all confidentiality or similar obligations under any agreement, whether written or oral, between the Company or any of their respective officers, directors, agents, employees, controlled Affiliates or agents, including, without limitation, the Placement Agents, on the one hand, and any of the Purchasers or any of their Affiliates on the other hand, shall terminate and be of no further force or effect. The Company understands and confirms that each Purchaser shall be relying on the foregoing covenant in effecting transactions in securities of the Company. The Company and each Purchaser shall consult with each other in issuing any other press releases with respect to the transactions contemplated hereby, and neither the Company nor any Purchaser shall issue any such press release nor otherwise make any such public statement without the prior consent of the Company, with respect to any press release of any Purchaser, which consent shall not unreasonably be withheld or delayed, except if such disclosure is required by law, in which case the disclosing party shall promptly provide the other party with prior notice of such public statement or communication. Notwithstanding the foregoing, the Company shall not publicly disclose the name of any Purchaser, or include the name of any Purchaser in any filing with the Commission or any regulatory agency or Trading Market, without the prior written consent of such Purchaser, except (a) as required by federal securities law in connection with the filing of final Transaction Documents with the Commission and (b) to the extent such disclosure is required by law or Trading Market regulations, in which case the Company shall provide the Purchasers with prior notice of such disclosure permitted under this clause (b) and reasonably cooperate with such Purchaser regarding such disclosure.

4.5 <u>Shareholder Rights Plan</u>. No claim will be made or enforced by the Company or, with the consent of the Company, any other Person, that any Purchaser is an "<u>Acquiring Person</u>" under any control share acquisition, business combination, poison pill (including any distribution under a rights agreement) or similar anti-takeover plan or arrangement in effect or hereafter adopted by the Company, or that any Purchaser could be deemed to trigger the provisions of any such plan or arrangement, by virtue of receiving Securities under the Transaction Documents or under any other agreement between the Company and the Purchasers.

4.6 <u>Non-Public Information</u>. Except with respect to the material terms and conditions of the transactions contemplated by the Transaction Documents, which shall be disclosed pursuant to Section 4.4, the Company covenants and agrees that neither it, nor any other Person acting on its behalf will provide any Purchaser or its agents or counsel with any information that constitutes, or the Company reasonably believes constitutes, material nonpublic information, unless prior thereto such Purchaser shall have consented in writing to the receipt of such information and agreed in writing with the Company to keep such information confidential. The Company understands and confirms that each Purchaser shall be relying on the foregoing covenant in effecting transactions in securities of the Company. To the extent that the Company or any of their respective officers, directors, agents, employees or controlled Affiliates delivers any material, non-public information to a Purchaser without such Purchaser's consent, the Company hereby covenants and agrees that such Purchaser shall not have any duty of confidentiality to the Company or any of their respective officers, directors, employees, controlled Affiliates or agents, including, without limitation, the Placement Agents, or a duty to the Company or any of their respective officers, directors, employees, Affiliates or agents, including, without limitation, the Placement Agents, not to trade on the basis of, such material, non-public information, provided that the Purchaser shall remain subject to applicable law. To the extent that any notice provided pursuant to any Transaction Document constitutes, or contains, material, non-public information regarding the Company, the Company shall simultaneously with the delivery of such notice file such notice with the Commission pursuant to a Current Report on Form 8-K. The Company understands and confirms that each Purchaser shall be relying on the foregoing covenant in effecting transactions in securities of the Company.

4.7 <u>Use of Proceeds</u>. The Company shall use the net proceeds from the sale of the Securities hereunder as described in the "Use of Proceeds" section of the Registration Statement and Prospectus.

4.8 Indemnification of Purchasers. Subject to the provisions of this Section 4.8, the Company will indemnify and hold each Purchaser and its directors, officers, shareholders, members, partners, employees and agents (and any other Persons with a functionally equivalent role of a Person holding such titles notwithstanding a lack of such title or any other title), each Person who controls such Purchaser (within the meaning of Section 15 of the Securities Act and Section 20 of the Exchange Act), and the directors, officers, shareholders, agents, members, partners or employees (and any other Persons with a functionally equivalent role of a Person holding such titles notwithstanding a lack of such title or any other title) of such controlling persons (each, a "Purchaser Party") harmless from any and all losses, liabilities, obligations, claims, contingencies, damages, costs and expenses, including all judgments, amounts paid in settlements, court costs and reasonable attorneys' fees and costs of investigation that any such Purchaser Party may suffer or incur as a result of or relating to (a) any breach of any of the representations, warranties, covenants or agreements made by the Company in this Agreement or in the other Transaction Documents or (b) any action instituted against the Purchaser Parties in any capacity, or any of them or their respective Affiliates, by any stockholder of the Company who is not an Affiliate of such Purchaser Party, with respect to any of the transactions contemplated by the Transaction Documents (unless such action is solely based upon a material breach of such Purchaser Party's representations, warranties or covenants under the Transaction Documents or any agreements or understandings such Purchaser Party may have with any such stockholder or any violations by such Purchaser Party of state or federal securities laws or any conduct by such Purchaser Party which is finally judicially determined to constitute fraud, gross negligence or willful misconduct). If any action shall be brought against any Purchaser Party in respect of which indemnity may be sought pursuant to this Agreement, such Purchaser Party shall promptly notify the Company in writing, and the Company shall have the right to assume the defense thereof with counsel of its own choosing reasonably acceptable to the Purchaser Party. Any Purchaser Party shall have the right to employ separate counsel in any such action and participate in the defense thereof, but the fees and expenses of such counsel shall be at the expense of such Purchaser Party except to the extent that (i) the employment thereof has been specifically authorized by the Company in writing, (ii) the Company has failed after a reasonable period of time to assume such defense and to employ counsel or (iii) in such action there is, in the reasonable opinion of counsel, a material conflict on any material issue between the position of the Company and the position of such Purchaser Party, in which case the Company shall be responsible for the reasonable fees and expenses of no more than one such separate counsel. The Company will not be liable to any Purchaser Party under this Agreement (y) for any settlement by a Purchaser Party effected without the Company's prior written consent, which shall not be unreasonably withheld or delayed; or (z) to the extent, but only to the extent that a loss, claim, damage or liability is attributable to any Purchaser Party's breach of any of the representations, warranties, covenants or agreements made by such Purchaser Party in this Agreement or in the other Transaction Documents. The indemnification required by this Section 4.8 shall be made by periodic payments of the amount thereof during the course of the investigation or defense, as and when bills are received or are incurred, provided that, in the event that it is judicially determined in a final judgment not subject to appeal by a court of competent jurisdiction that such Purchaser Party was not entitled to receive payments for legal and other expenses pursuant to this subparagraph, the Purchaser Party will promptly return all sums that had been advanced pursuant hereto. The indemnity agreements contained herein shall be in addition to any cause of action or similar right of any Purchaser Party against the Company or others and any liabilities the Company may be subject to pursuant to law.

4.9 <u>Reservation of Capital Stock</u>. As of the date hereof, the Company has reserved and the Company shall continue to reserve and keep available at all times, free of preemptive rights, a sufficient number of shares of Series J Preferred Stock for the purpose of enabling the Company to issue shares of Series J Preferred Stock pursuant to the Transaction Documents. As of the date hereof, the Company has reserved and the Company shall continue to reserve and keep available at all times, free of preemptive rights, a sufficient number of shares of Company has reserved and the Company shall continue to reserve and keep available at all times, free of preemptive rights, a sufficient number of shares of Common Stock for the purpose of enabling the Company to issue shares of Common Stock upon any conversion of Series J Preferred Stock.

4.10 Listing of Common Stock. The Company hereby agrees to use its best efforts to maintain the trading of the Common Stock on the Trading Market for at least two (2) years after the Closing Date.

4.11 <u>Effectiveness</u>. The Company will use its best efforts to cause the Registration Statement to remain effective with a current prospectus covering: (A)(i) the issuance of shares of Common Stock issuable upon conversion of Series J Preferred Stock and (ii) the issuance of additional shares of Series J Preferred Stock pursuant to, or arising as a result of, the Company's obligation to pay dividends pursuant to the Series J Certificate of Designation or terms of the Warrants and (B) the issuance of the Warrant Shares upon exercise of the Warrants, in each case, until such time as set forth in Series J Certificate of Designation and/or Warrant, as applicable.

4.12 Equal Treatment of Purchasers. No consideration (including any modification of this Agreement) shall be offered or paid to any Person to amend or consent to a waiver or modification of any provision of this Agreement unless the same consideration is also offered to all of the parties to this Agreement. For clarification purposes, this provision constitutes a separate right granted to each Purchaser by the Company and negotiated separately by each Purchaser, and is intended for the Company to treat the Purchasers as a class and shall not in any way be construed as the Purchasers acting in concert or as a group with respect to the purchase, disposition or voting of Securities or otherwise.

4.13 Certain Transactions and Confidentiality. Each Purchaser, severally and not jointly with the other Purchasers, covenants that neither it nor any Affiliate acting on its behalf or pursuant to any understanding with it will execute any purchases or sales, including Short Sales of any of the Company's securities during the period commencing with the execution of this Agreement and ending at such time that the transactions contemplated by this Agreement are first publicly announced pursuant to the initial press release as described in Section 4.4. Each Purchaser, severally and not jointly with the other Purchasers, covenants that until such time as the transactions contemplated by this Agreement are publicly disclosed by the Company pursuant to the initial press release as described in Section 4.4, such Purchaser will maintain the confidentiality of the existence and terms of this transaction. Notwithstanding the foregoing, and notwithstanding anything contained in this Agreement to the contrary, the Company expressly acknowledges and agrees that (i) no Purchaser makes any representation, warranty or covenant hereby that it will not engage in effecting transactions in any securities of the Company after the time that the transactions contemplated by this Agreement are first publicly announced pursuant to the initial press release as described in Section 4.4, (ii) no Purchaser shall be restricted or prohibited from effecting any transactions in any securities of the Company in accordance with applicable securities laws from and after the time that the transactions contemplated by this Agreement are first publicly announced pursuant to the initial press release as described in Section 4.4 and (iii) no Purchaser shall have any duty of confidentiality or duty not to trade in the securities of the Company to the Company or any of their respective officers, directors, employees, Affiliates, or agent, including, without limitation, the Placement Agents, after the issuance of the initial press release as described in Section 4.4. Notwithstanding the foregoing, in the case of a Purchaser that is a multi-managed investment vehicle whereby separate portfolio managers manage separate portions of such Purchaser's assets and the portfolio managers have no direct knowledge of the investment decisions made by the portfolio managers managing other portions of such Purchaser's assets, the covenant set forth above shall only apply with respect to the portion of assets managed by the portfolio manager that made the investment decision to purchase the Securities covered by this Agreement.

4.15 <u>Exercise Procedures</u>. The form of Notice of Exercise included in the Warrants set forth the totality of the procedures required of the Purchasers in order to exercise the Warrants. No additional legal opinion, other information or instructions shall be required of the Purchasers to exercise their Warrants. Without limiting the preceding sentences, no ink-original Notice of Exercise shall be required, nor shall any medallion guarantee (or other type of guarantee or notarization) of any Notice of Exercise form be required in order to exercise the Warrants. The Company shall honor exercises of the Warrants and shall deliver Warrant Shares in accordance with the terms, conditions and time periods set forth in the Transaction Documents.

4.16 Lock-Up Agreements. The Company shall not amend, modify, waive or terminate any provision of any of the Lock-Up Agreements except to extend the term of the lock-up period and shall enforce the provisions of each Lock-Up Agreement in accordance with its terms. If any party to a Lock-Up Agreement breaches any provision of a Lock-Up Agreement, the Company shall promptly use its best efforts to seek specific performance of the terms of such Lock-Up Agreement.

ARTICLE V.

MISCELLANEOUS

5.1 <u>Termination</u>. This Agreement may be terminated by any Purchaser, as to such Purchaser's obligations hereunder only and without any effect whatsoever on the obligations between the Company and the other Purchasers, by written notice to the other parties, if the Closing has not been consummated on or before the fifth (5th) Trading Day following the date hereof; <u>provided</u>, <u>however</u>, that no such termination will affect the right of any party to sue for any breach by any other party (or parties).

5.2 <u>Fees and Expenses</u>. Except as expressly set forth in the Transaction Documents to the contrary, each party shall pay the fees and expenses of its advisers, counsel, accountants and other experts, if any, and all other expenses incurred by such party incident to the negotiation, preparation, execution, delivery and performance of this Agreement. The Company shall pay all Transfer Agent fees (including, without limitation, any fees required for same-day processing of any instruction letter delivered by the Company), stamp taxes and other taxes and duties levied in connection with the delivery of any Securities to the Purchasers.

5.3 <u>Entire Agreement</u>. The Transaction Documents, together with the exhibits and schedules thereto, the Preliminary Prospectus and the Final Prospectus, contain the entire understanding of the parties with respect to the subject matter hereof and thereof and supersede all prior agreements and understandings, oral or written, with respect to such matters, which the parties acknowledge have been merged into such documents, exhibits and schedules.

5.4 <u>Notices</u>. Any and all notices or other communications or deliveries required or permitted to be provided hereunder shall be in writing and shall be deemed given and effective on the earliest of: (a) the time of transmission, if such notice or communication is delivered via facsimile at the facsimile number or email attachment at the email address as set forth on the signature pages attached hereto at or prior to 5:30 p.m. (New York City time) on a Trading Day, (b) the next Trading Day after the time of transmission, if such notice or communication is delivered via facsimile at the facsimile number or email attachment at the email address as set forth on the signature pages attached hereto on a day that is not a Trading Day or later than 5:30 p.m. (New York City time) on any Trading Day, (c) the second (2nd) Trading Day following the date of mailing, if sent by U.S. nationally recognized overnight courier service or (d) upon actual receipt by the party to whom such notice is required to be given. The address for such notices and communications shall be as set forth on the signature pages attached hereto. To the extent that any notice provided pursuant to any Transaction Document constitutes, or contains, material, non-public information regarding the Company, the Company shall simultaneously file such notice with the Commission pursuant to a Current Report on Form 8-K.

5.5 <u>Amendments; Waivers</u>. No provision of this Agreement may be waived, modified, supplemented or amended except in a written instrument signed, in the case of an amendment, by the Company and Purchasers which purchased at least 50.1% in interest of the Shares based on the initial Subscription Amounts hereunder (or, prior to the Closing, by the Company and each Purchaser) or, in the case of a waiver, by the party against whom enforcement of any such waived provision is sought, provided that if any amendment, modification or waiver disproportionately and adversely impacts a Purchaser (or group of Purchasers), the consent of such disproportionately impacted Purchaser (or group of Purchasers) shall also be required. No waiver of any default with respect to any provision, condition or requirement of this Agreement shall be deemed to be a continuing waiver in the future or a waiver of any subsequent default or a waiver of any other provision, condition or requirement hereof, nor shall any delay or omission of any party to exercise any right hereunder in any manner impair the exercise of any such right. Any proposed amendment or waiver that disproportionately, materially and adversely affects the rights and obligations of any Purchaser relative to the comparable rights and obligations of the other Purchasers shall require the prior written consent of such adversely affected Purchaser. Any amendment effected in accordance with this Section 5.5 shall be binding upon each Purchaser and holder of Securities and the Company.

5.6 <u>Headings</u>. The headings herein are for convenience only, do not constitute a part of this Agreement and shall not be deemed to limit or affect any of the provisions hereof.

5.7 <u>Successors and Assigns</u>. This Agreement shall be binding upon and inure to the benefit of the parties and their successors and permitted assigns. The Company may not assign this Agreement or any rights or obligations hereunder without the prior written consent of each Purchaser (other than by merger). Any Purchaser may assign any or all of its rights under this Agreement to any Person to whom such Purchaser assigns or transfers any Securities, provided that such transferee agrees in writing to be bound, with respect to the transferred Securities, by the provisions of the Transaction Documents that apply to the "Purchasers."

5.8 <u>No Third-Party Beneficiaries</u>. The Placement Agents shall be a third-party beneficiary of the representations and warranties of the Company in Section 3.1 and the representations and warranties of the Purchasers in Section 3.2. This Agreement is intended for the benefit of the parties hereto and their respective successors and permitted assigns and is not for the benefit of, nor may any provision hereof be enforced by, any other Person, except as otherwise set forth in Section 4.8 and this Section 5.8.

5.9 Governing Law. All questions concerning the construction, validity, enforcement and interpretation of the Transaction Documents shall be governed by and construed and enforced in accordance with the internal laws of the State of New York, without regard to the principles of conflicts of law thereof. Each party agrees that all legal Proceedings concerning the interpretations, enforcement and defense of the transactions contemplated by this Agreement and any other Transaction Documents (whether brought against a party hereto or its respective affiliates, directors, officers, shareholders, partners, members, employees or agents) shall be commenced exclusively in the state and federal courts sitting in the City of New York. Each party hereby irrevocably submits to the exclusive jurisdiction of the state and federal courts sitting in the City of New York, Borough of Manhattan for the adjudication of any dispute hereunder or in connection herewith or with any transaction contemplated hereby or discussed herein (including with respect to the enforcement of any of the Transaction Documents), and hereby irrevocably waives, and agrees not to assert in any Action or Proceeding, any claim that it is not personally subject to the jurisdiction of any such court, that such Action or Proceeding is improper or is an inconvenient venue for such Proceeding. Each party hereby irrevocably waives personal service of process and consents to process being served in any such Action or Proceeding by mailing a copy thereof via registered or certified mail or overnight delivery (with evidence of delivery) to such party at the address in effect for notices to it under this Agreement and agrees that such service shall constitute good and sufficient service of process and notice thereof. Nothing contained herein shall be deemed to limit in any way any right to serve process in any other manner permitted by law. If any party shall commence an Action or Proceeding to enforce any provisions of the Transaction Documents, then, in addition to the obligations of the Company under Section 4.7, the prevailing party in such Action or Proceeding shall be reimbursed by the non-prevailing party for its reasonable attorneys' fees and other costs and expenses incurred with the investigation, preparation and prosecution of such Action or Proceeding.

5.10 <u>Survival</u>. The representations and warranties contained herein shall survive the Closing and the delivery of the Securities for a period of five (5) years from the Closing Date.

5.11 Execution. This Agreement may be executed in two or more counterparts, all of which when taken together shall be considered one and the same agreement and shall become effective when counterparts have been signed by each party and delivered to each other party, it being understood that the parties need not sign the same counterpart. In the event that any signature is delivered by facsimile transmission or by e-mail delivery of a ".pdf" format data file (including any electronic signature covered by the U.S. federal ESIGN Act of 200, Uniform Electronic Transaction Act, the Electronic Signatures and Records Act or other applicable law, e.g., www.docusign.com), such signature shall create a valid and binding obligation of the party executing (or on whose behalf such signature is executed) with the same force and effect as if such facsimile or ".pdf" signature page were an original thereof.

5.12 <u>Severability</u>. If any term, provision, covenant or restriction of this Agreement is held by a court of competent jurisdiction to be invalid, illegal, void or unenforceable, the remainder of the terms, provisions, covenants and restrictions set forth herein shall remain in full force and effect and shall in no way be affected, impaired or invalidated, and the parties hereto shall use their commercially reasonable efforts to find and employ an alternative means to achieve the same or substantially the same result as that contemplated by such term, provision, covenants or restriction. It is hereby stipulated and declared to be the intention of the parties that they would have executed the remaining terms, provisions, covenants and restrictions without including any of such that may be hereafter declared invalid, illegal, void or unenforceable.

5.13 <u>Rescission and Withdrawal Right</u>. Notwithstanding anything to the contrary contained in (and without limiting any similar provisions of) any of the other Transaction Documents, whenever any Purchaser exercises a right, election, demand or option under a Transaction Document and the Company does not timely perform its related obligations within the periods therein provided, then such Purchaser may rescind or withdraw, in its sole discretion from time to time upon written notice to the Company, any relevant notice, demand or election in whole or in part without prejudice to its future actions and rights; <u>provided</u>, <u>however</u>, that, in the case of a rescission of an exercise of a Warrant, the applicable Purchaser shall be required to return any Common Stock subject to any such rescinded exercise notice concurrently with the return to such Purchaser of the aggregate exercise price paid to the Company for such shares and the restoration of such Purchaser's right to acquire such shares pursuant to such Purchaser's Warrant (including, if applicable, issuance of a replacement warrant certificate evidencing such restored right.

5.14 <u>Replacement of Securities</u>. If any certificate or instrument evidencing any Securities is mutilated, lost, stolen or destroyed, the Company shall issue or cause to be issued in exchange and substitution for and upon cancellation thereof (in the case of mutilation), or in lieu of and substitution therefor, a new certificate or instrument, but only upon receipt of evidence reasonably satisfactory to the Company of such loss, theft or destruction. The applicant for a new certificate or instrument under such circumstances shall also pay any reasonable third-party costs (including customary indemnity) associated with the issuance of such replacement Securities.

5.15 <u>Remedies</u>. In addition to being entitled to exercise all rights provided herein or granted by law, including recovery of damages, each of the Purchasers and the Company will be entitled to specific performance under the Transaction Documents. The parties agree that monetary damages may not be adequate compensation for any loss incurred by reason of any breach of obligations contained in the Transaction Documents and hereby agree to waive and not to assert in any Action for specific performance of any such obligation the defense that a remedy at law would be adequate.

5.16 <u>Payment Set Aside</u>. To the extent that the Company makes a payment or payments to any Purchaser pursuant to any Transaction Document or a Purchaser enforces or exercises its rights thereunder, and such payment or payments or the proceeds of such enforcement or exercise or any part thereof are subsequently invalidated, declared to be fraudulent or preferential, set aside, recovered from, disgorged by or are required to be refunded, repaid or otherwise restored to the Company, a trustee, receiver or any other Person under any law (including, without limitation, any bankruptcy law, state or federal law, common law or equitable cause of action), then to the extent of any such restoration the obligation or part thereof originally intended to be satisfied shall be revived and continued in full force and effect as if such payment had not been made or such enforcement or setoff had not occurred.

5.17 Independent Nature of Purchasers' Obligations and Rights. The obligations of each Purchaser under any Transaction Document are several and not joint with the obligations of any other Purchaser, and no Purchaser shall be responsible in any way for the performance or non-performance of the obligations of any other Purchaser under any Transaction Document. Nothing contained herein or in any other Transaction Document, and no action taken by any Purchaser pursuant hereto or thereto, shall be deemed to constitute the Purchasers as a partnership, an association, a joint venture or any other kind of entity, or create a presumption that the Purchasers are in any way acting in concert or as a group with respect to such obligations or the transactions contemplated by the Transaction Documents. Each Purchaser shall be entitled to independently protect and enforce its rights including, without limitation, the rights arising out of this Agreement or out of the other Transaction Documents, and it shall not be necessary for any other Purchaser to be joined as an additional party in any Proceeding for such purpose. Each Purchaser has been represented by its own separate legal counsel in its review and negotiation of the Transaction Documents. For reasons of administrative convenience only, each Purchaser and its respective counsel have chosen to communicate with the Company through Sullivan. Sullivan does not represent any of the Purchasers and only represents the Placement Agents. The Company has elected to provide all Purchasers with the same terms and Transaction Documents for the convenience of the Company and not because it was required or requested to do so by any of the Purchasers. It is expressly understood and agreed that each provision contained in this Agreement and in each other Transaction Document is between the Company and a Purchaser, solely, and not between the Company and the Purchasers collectively and not between and among the Purchasers. Notwithstanding anything to the contrary in the foregoing, each of the Purchasers has been advised, and is being advised by this Agreement, to consult with an attorney before executing this Agreement, and each Purchase has consulted (or had an opportunity to consult) with counsel of such Purchaser's choice concerning the terms and conditions of this Agreement and the other Transaction Documents for a reasonable period of time prior to the execution hereof and thereof.

5.18 <u>Liquidated Damages</u>. The Company's obligations to pay any partial liquidated damages or other amounts owing under the Transaction Documents is a continuing obligation of the Company and shall not terminate until all unpaid partial liquidated damages and other amounts have been paid notwithstanding the fact that the instrument or security pursuant to which such partial liquidated damages or other amounts are due and payable shall have been canceled.

5.19 <u>Saturdays, Sundays, Holidays, etc</u>. If the last or appointed day for the taking of any action or the expiration of any right required or granted herein shall not be a Business Day, then such action may be taken or such right may be exercised on the next succeeding Business Day.

5.20 <u>Construction</u>. The parties agree that each of them and/or their respective counsel have reviewed and had an opportunity to revise the Transaction Documents and, therefore, the normal rule of construction to the effect that any ambiguities are to be resolved against the drafting party shall not be employed in the interpretation of the Transaction Documents or any amendments thereto. In addition, each and every reference to share prices and shares of Series J Preferred Stock in any Transaction Document shall be subject to adjustment for reverse and forward stock splits, stock dividends, stock combinations and other similar transactions of the Series J Preferred Stock that occur after the date of this Agreement as set forth in the applicable Transaction Document.

5.21 WAIVER OF JURY TRIAL. IN ANY ACTION, SUIT, OR PROCEEDING IN ANY JURISDICTION BROUGHT BY ANY PARTY AGAINST ANY OTHER PARTY, THE PARTIES EACH HEREBY KNOWINGLY AND INTENTIONALLY, TO THE GREATEST EXTENT PERMITTED BY APPLICABLE LAW, ABSOLUTELY, UNCONDITIONALLY, IRREVOCABLY AND EXPRESSLY WAIVES FOREVER TRIAL BY JURY.

(Signature Pages Follow)

IN WITNESS WHEREOF, the parties hereto have caused this Securities Purchase Agreement to be duly executed by their respective authorized signatories as of the date first indicated above.

NUWELLIS, INC.

By:

Name: Nestor Jaramillo Jr Title: President and Chief Executive Officer

<u>Address for Notice</u>: 12988 Valley View Road Eden Prairie, MN 55344 Email: Nestor.Jaramillo@nuwellis.com

With a copy to (which shall not constitute notice):

Honigman LLP 650 Trade Centre Way, Suite 200 Kalamazoo, MI 49002 Attention: Phillip D. Torrence, Esq. or Jessica M. Herron, Esq. Email: <u>ptorrence@honigman.com</u> or <u>jherron@honigman.com</u>

> [REMAINDER OF PAGE INTENTIONALLY LEFT BLANK SIGNATURE PAGE FOR PURCHASER FOLLOWS]

[PURCHASER SIGNATURE PAGES TO NUWELLIS, INC. SECURITIES PURCHASE AGREEMENT]

IN WITNESS WHEREOF, the undersigned have caused this Securities Purchase Agreement to be duly executed by their respective authorized signatories as of the date first indicated above.

Name of Purchaser:	
Signature of Authorized Signatory of Purchas	ser:
Name of Authorized Signatory:	
Title of Authorized Signatory:	
Email Address of Authorized Signatory:	
Facsimile Number of Authorized Signatory:	
Address for Notice to Purchaser: Address for Delivery of the Securities to Purc DWAC for Shares:	chaser (if not same as address for notice):
Unit Subscription Amount:	\$
Units:	
Warrants:	Beneficial Ownership Blocker 🗆 4.99% or 🗆 9.99%
EIN Number:	
□ Notwithstanding anything contained in	this Agreement to the contrary, by checking this box (i) the obligations of the above-signed to purchase the

□ Notwithstanding anything contained in this Agreement to the contrary, by checking this box (i) the obligations of the above-signed to purchase the securities set forth in this Agreement to be purchased from the Company by the above-signed, and the obligations of the Company to sell such securities to the above-signed, shall be unconditional and all conditions to Closing shall be disregarded, (ii) the Closing shall occur no later than the second (2nd) Trading Day following the date of this Agreement and (iii) any condition to Closing contemplated by this Agreement (but prior to being disregarded by clause (i) above) that required delivery by the Company or the above-signed of any agreement, instrument, certificate or the like or purchase price (as applicable) shall no longer be a condition and shall instead be an unconditional obligation of the Company or the above-signed (as applicable) to deliver such agreement, instrument, certificate or the like or purchase price (as applicable) to such other party on the Closing Date.

С	n
Э	υ

Consent of Independent Registered Public Accounting Firm

We consent to the incorporation by reference in the Registration Statements on Form S-1/A of Nuwellis, Inc. and subsidiary of our report dated March 3, 2023, relating to the consolidated financial statements of Nuwellis, Inc. and subsidiary in the Annual Report on Form 10-K for the years ended December 31, 2022 and 2021, which includes an explanatory paragraph relating to the Company's ability to continue as a going concern as described in Note 1 to the consolidated financial statements. We also consent to the reference to us under the heading "Experts" in such Registration Statement.

/s/ Baker Tilly US, LLP

Minneapolis, Minnesota September 29, 2023

Calculation of Filing Fee Tables

FORM S-1 (Form Type)

NUWELLIS, INC.

(Exact Name of Registrant as Specified in its Charter)

Table 1: Newly Registered Securities

Security Type Security Security Security Class Title Fee (Calculation (Calculation) Amount of Maximum Registered Maximum Price (P)(P) Maximum Registered Type Security Class Title Newly Registered Unit Price (P)(2) Fee Rate Fee Equity Units, consisting of (I) Series J Convertible Redeemable Preferred Stock, par value S0001 per share, and (II) Warrants to purchase shares of Series J Convertible Redeemable Preferred Stock/3 Rule 457(0) - - \$6,000.000 \$661.20 Equity Nariants to purchase shares of Series J referred Stock/3 Rule 457(0) - - - - - Equity Warrants to purchase shares of Series J Convertible Preferred Stock, included as part of the Units Rule 457(0) - - - - - - Equity Shares of Common Stock, par value Solodo I per share, issuable upon conversion of the Series J Convertible Preferred Stock, issuable upon exercise of the Warrants included as part of Series J Convertible Preferred Stock issuable upon exercise of the Warrants included in the Units Rule 457(1) - - - - - Equity Shares of Common Stock issuable upon exercise of the Warrants included in the Units Rule 457(1) - <th></th> <th></th> <th></th> <th></th> <th>During</th> <th></th> <th></th> <th></th>					During			
Security TypeSecurity Class TitleFee Calculation RegisteredAmount of Price Per RegisteredOffering Price Per Price Per Price Per Price Per Price Per Price PerAggregate Price Per Price Per Price Per Price PerAggregate Price Per Price Per Price Per Price PerAggregate Price Per Price Per Price Per Price PerAggregate Price Per Price Per 					Proposed			
Security Lass TuleCalculationAmountPrice Per RegisteredÖffering Price(1)(2)MegestrationTypeSecurity Class TuleRuleRuleUnitsFee RateFee RateFeeUnits, consisting of (1) Series J Stock, par value \$0,0001 per share, of Series J Convertible Redeemable Prefered Stock, par value \$0,0001 per share, of Series J Convertible Redeemable Prefered Redeemable Prefered Stock Scock Prefered Stock Prefered Stock Scock Prefered Stock Scock<			Π					A
TypeSecurity Class TitleRuleRuleRegisteredUnitPrice(1)(2)Fee RateFeeNewly Registered SecuritiesEquityUnits, consisting of (1) Series J Convertible Redeenable PreferredSchool OD1 per share, and (1) Warants to purchase shares of Series J Convertible RedeenableRule 457(o)School OD0School OD1 per share, school OD1 per share, included as part of the UnitsRule 457(i)School OD0School OD	G				0			
Newly Registered Securities Equity Units, consisting of (i) Series J Convertible Redeemable Preferred Stock, par value \$0.0001 per share, and (ii) Warrants to purchase shares of Series J Convertible Redeemable Preferred Stock? Rule 457(o) — — \$6,000,000 \$0.00011020 \$661.20 Equity Shares of Series J Convertible Redeemable Preferred Stock, included as part of the Units Rule 457(i) — = # #	5					0	E D.	Ģ
Equity Units, consisting of (i) Series J Convertible Redeemable Prefered Stock, par value \$0.0001 per share, and (ii) Warants to purchase shares of Series J Convertible Redeemable Prefered Stock? Rule 457(i) — — \$6,000,000 \$0.00011020 \$661.20 Equity Shares of Series J Convertible Redeemable Prefered Stock, included as part of the Units Rule 457(i) — = … … … … … … … … …	Type	Security Class Title		0		Price(1)(2)	Fee Rate	Fee
Convertible Redeemable Prefered Stock, par value \$0.0001 per share, of Series J Convertible Redeemable Prefered Stock?Rule 457(0)\$6,000,000\$0.00011020\$661.20Equity Redeemable Prefered Stock,?Rule 457(1)Equity Included as part of the Units Rule 457(1)Rule 457(1) <td>R. L</td> <td></td> <td>Newly</td> <td>Registered Sec</td> <td>urities</td> <td></td> <td></td> <td></td>	R. L		Newly	Registered Sec	urities			
Stock, par value \$0.0001 per share, and (ii) Warrants to purchase shares of Series J Convertible Redeemable Prefered Stock?)Rule 457(o)S6,000,000\$0.0001102\$661.20Equit Redeemable Prefered Stock?Rule 457(i)<	Equity							
and (ii) Warrants to purchase shares of Series J Convertible Redeemable Prefered Stock23Rule 457(o)S6,000,000\$0,00011020\$661.20Equity Redeemable Prefered Stock Included as part of the UnitsRule 457(i)								
of Series J Convertible Redeemable Prefered Stock(2)Rule 457(o)S6,000,000S0.00011020S661.20Equit Redeemable Prefered Stock, included as part of the UnitsRule 457(i) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
Prefered Stock(2)Rule 457(o)S6,00,000S0.00011020S661.20EquityShares of Series J Convertible Refered Stock, included as part of the UnitsRule 457(i) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
Equity equity shares of Series J Convertible Redeemable Preferred Stock, included as part of the Units Rule 457(i) Equity equity Warrants to purchase shares of Series J Convertible Preferred Stock, included as part of the Units Rule 457(i) Equity Shares of Common Stock, par value \$0.0001 per share, issuable upon conversion of the Series J Convertible Preferred Stock included in the Units Rule 457(i) Equity Shares of Series J Convertible redeemable Preferred Stock issuable upon exercise of the Warrants included in the Units Rule 457(i)			D = 1 + 457(-)			¢C 000 000	¢0.00011000	¢CC1 20
Redeemable Preferred Stock, included as part of the UnitsRule 457(i)EquityShares of Common Stock, savable upon exercise of the Warrants on coversion of Series J Convertible Prefered Stock issuable upon exercise of the Warrants on coversion of Series J Convertible Prefered Stock issuable upon exercise of the WarrantsRule 457(i) </td <td>D</td> <td></td> <td>Rule $45/(0)$</td> <td>—</td> <td>_</td> <td>\$6,000,000</td> <td>\$0.00011020</td> <td>\$661.20</td>	D		Rule $45/(0)$	—	_	\$6,000,000	\$0.00011020	\$661.20
included as part of the UnitsRule 457(i)EquityWarrants to purchase shares of Series 1 convertible Preferred Stock, a part of the UnitsRule 457(i)<	Equity							
Equity Warrants to purchase shares of Series J Convertible Preferred Stock, included as part of the Units Rule 457(i) Equity Shares of Common Stock, par value \$0.0001 per share, issuable upon conversion of the Series J Convertible Prefered Stock included in the Units Rule 457(i) Equity Shares of Series J Convertible Redeemable Prefered Stock issuable upon exercise of the Warrants included in the Units Rule 457(i) Equity Shares of Series J Convertible Redeemable Prefered Stock issuable upon exercise of the Warrants included in the Units Rule 457(i) <td></td> <td></td> <td>D 1. 457(1)</td> <td></td> <td></td> <td></td> <td></td> <td></td>			D 1. 457(1)					
I Convertible Preferred Stock, included as part of the UnitsRule 457(i)EquityShares of Common Stock issuable upon coversion of Beres J convertible Prefered Stock	D		Rule $45/(1)$	—		—	—	—
included as part of the UnitsRule 457(i)EquityShares of Common Stock, par value S0.0001 per share, issuable upon conversion of the Series J Convertible Prefered Stock included in the UnitsRule 457(i)	Equity							
Equity Shares of Common Stock, par value \$0.0001 per share, issuable upon conversion of the Series J Convertible Preferred Stock included in the Units Rule 457(i) Equity Shares of Series J Convertible Redeemable Preferred Stock issuable upon exercise of the Warrants included in the Units Rule 457(i) Equity Shares of Common Stock issuable upon exercise of the Warrants included in the Units Rule 457(i) \$3,000,000 \$0.00011020 \$330.60 Equity Shares of Common Stock issuable upon conversion of Series J Convertible Redeemable Preferred Stock issuable upon exercise of the Warrants(³) Rule 457(i)			Dela 457(;)					
\$0.0001 per share, issuable upon conversion of the Series J Convertible Preferred Stock included in the UnitsRule 457(i)EquityShares of Series J Convertible Redeemable Preferred Stock issuable upon exercise of the WarrantsRule 457(i)EquityShares of Common Stock issuable upon conversion of Series J Convertible Redeemable Preferred Stock issuable upon conversion of Series J Convertible Redeemable Preferred Stock issuable warrants(3)Rule 457(i)S3,000,000\$0.00011020\$330.60EquityShares of Common Stock issuable upon conversion of Series J Convertible Redeemable Preferred Stock issuable warrants(3)Rule 457(i)EquityShares of Series J Convertible Redeemable Preferred Stock issuable upon conversion of the Series JEquityShares of Series J Convertible Redeemable Preferred Stock issuable upon conversion of the Series JRule 457(i)<	D = 14		Rule $45/(1)$	—	_	—		
conversion of the Series J Convertible Preferred Stock included in the UnitsRule 457(i)<	Equity							
Convertible Preferred Stock included in the UnitsRule 457(i)<								
in the UnitsRule 457(i)EquityShares of Series J Convertible Redeemable Preferred Stock issuable upon exercise of the Warrants included in the UnitsRule 457(i)\$3,000,000\$0.00011020\$330.60EquityShares of Common Stock issuable upon conversion of Series J Convertible Redeemable Preferred Stock issuable upon exercise of the Warrants ⁽³⁾ Rule 457(i)\$3,000,000\$0.00011020\$330.60EquityShares of Series J Convertible Redeemable Preferred Stock issuable upon exercise of the Warrants ⁽³⁾ Rule 457(i)EquityShares of Series J Convertible Redeemable Preferred Stock issuable a spay in-kind (PIK) dividends ⁽⁴⁾ Rule 457(i)								
Equity Redeemable Preferred Stock issuable upon exercise of the Warrants included in the UnitsRule 457(i)\$3,000,000\$0.00011020\$330.60Equity Shares of Common Stock issuable upon conversion of Series J Convertible Redeemable Preferred Stock issuable upon exercise of the Warrants(3)Rule 457(i)\$3,000,000\$0.00011020\$330.60Equity Shares of Series J Convertible Redeemable Preferred Stock issuable upon exercise of the Warrants(3)Rule 457(i)Equity Shares of Series J Convertible Redeemable Preferred Stock issuable as pay in-kind (PIK) dividends(4)Rule 457(i)			Dulo 457(i)					
A resultRedeemable Preferred Stock issuable upon exercise of the Warrants included in the UnitsRule 457(i) $$ $$ $\$3,000,000$ $\$0.00011020$ $\$330.60$ EquityShares of Common Stock issuable upon conversion of Series J Convertible Redeemable Preferred Stock issuable upon exercise of the Warrants ⁽³⁾ Rule 457(i) $$	Fauity		Rule 457(1)	_		—	—	
$ \begin{array}{ c c c c } \hline \mbox{upon exercise of the Warrants} & \mbox{ncluded in the Units} & \mbox{Rule 457(i)} & & & \mbox{s3,000,000} & \mbox{s0.00011020} & \mbox{s330.60} \\ \hline \mbox{s330.60} & \mbox{s330.60} $	Equity							
included in the UnitsRule 457(i)\$3,000,000\$0.00011020\$33.60EquityShares of Common Stock issuable upon conversion of Series J Convertible Redeemable Prefered Stock issuable upon exercise of the Warrants(3)								
EquityShares of Common Stock issuable upon conversion of Series J Convertible Redeemable Preferred Stock issuable upon exercise of the Warrants(3)Rule 457(i)———————EquityShares of Series J Convertible Redeemable Preferred Stock issuable as pay in-kind (PIK) dividends(4)Rule 457(o)——— <td< td=""><td></td><td>1</td><td>Pulo 457(i)</td><td></td><td></td><td>\$3,000,000</td><td>\$0,00011020</td><td>\$330.60</td></td<>		1	Pulo 457(i)			\$3,000,000	\$0,00011020	\$330.60
upon conversion of Series J Convertible Redeemable Preferred Stock issuable upon exercise of the Warrants(3)nnn	Fauity		Kule 437(1)			\$3,000,000	\$0.00011020	\$330.00
Convertible Redeemable Preferred Stock issuable upon exercise of the Warrants(3)Rule 457(i) $$ $$ $$ $$ $$ $$ EquityShares of Series J Convertible Redeemable Preferred Stock issuable as pay in-kind (PIK) dividends(4)Rule 457(o) $$ $$ $$ $$ $$ $$ $$ $$ EquityShares of Common Stock issuable upon conversion of the Series JRule 457(o) $$ </td <td>Equity</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Equity							
Stock issuable upon exercise of the Warrants(3)Rule 457(i)EquityShares of Series J Convertible Redeemable Prefered Stock issuable as pay in-kind (PIK) dividends(4)III <tdi< td="">II</tdi<>		· · · · · · · · · · · · · · · · · · ·						
Warrants(3)Rule 457(i)EquityShares of Series J Convertible Redeemable Prefered Stock issuable as pay in-kind (PIK) dividends(4)AAA <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
EquityShares of Series J Convertible Redeemable Preferred Stock issuable as pay in-kind (PIK) dividends ⁽⁴⁾ Rule 457(o)———————EquityShares of Common Stock issuable upon conversion of the Series J Convertible Preferred Stock issuable upon conversion of the Series JImage: Convertible Preferred Stock issuable Image: Convertible Preferred Stock issuable PIK dividends ⁽⁴⁾ Image: Convertible Preferred Stock issuable Image: Convertible Preferred Stock issued as PIK dividends ⁽⁴⁾ Image: Convertible Preferred Stock issued as Image: Convertible Preferred Stock issued as PIK dividends ⁽⁴⁾ Image: Convertible Preferred Stock issued as Total Offering AmountsImage: Convertible Preferred Stock issued as Image: Convertible Preferred Stock issued as PIK dividends ⁽⁴⁾ Image: Convertible Preferred Stock issued as Image: Convertible Preferred Stock issued as Total Offering AmountsImage: Convertible Preferred Stock issued as Image: Convertible Preferred Stock issued as Image: Convertible Preferred Stock issued as PIK dividends ⁽⁴⁾ Image: Convertible Preferred Stock issued as Image: Convert			Rule 457(i)				_	
A b cRedeemable Preferred Stock issuable as pay in-kind (PIK) dividends(4)Rule 457(o) $ -$ EquityShares of Common Stock issuable upon conversion of the Series J Convertible Preferred Stock issueda PIK dividends(4) $ -$	Equity							
as pay in-kind (PIK) dividends(4)Rule 457(o) $ -$ <th< td=""><td>Equity</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	Equity							
Equity Shares of Common Stock issuable upon conversion of the Series J Convertible Preferred Stock issued as PIK dividends ⁽⁴⁾ Image: Note of the Series J Rule 457(i) Image: Note of the Series J Convertible Preferred Stock issued as PIK dividends ⁽⁴⁾ Image: Note of the Series J Rule 457(i) Image: Note of the Series J Convertible Preferred Stock issued as PIK dividends ⁽⁴⁾ Image: Note of the Series J Convertible Preferred Stock issued as PIK dividends ⁽⁴⁾ Image: Note of the Series J Convertible Preferred Stock issued as PIK dividends ⁽⁴⁾ Image: Note of the Series J Convertible Preferred Stock issued as PIK dividends ⁽⁴⁾ Image: Note of the Series J Convertible Preferred Stock issued as PIK dividends ⁽⁴⁾ Image: Note of the Series J Series Previously Paid Image: Note of the Series J Series Previously Paid Image: Note of the Series J Series Previously Paid Image: Note of the Series Previously			Rule 457(0)					
upon conversion of the Series J Convertible Preferred Stock issued as PIK dividends ⁽⁴⁾ Rule 457(i) — — — — — —	Equity							
Convertible Preferred Stock issued as PIK dividends ⁽⁴⁾ Rule 457(i) — — — — — — Total Offering Amounts Total Offering Amounts Total Offering Amounts Total Fees Previously Paid S9,000,000 \$0,00011020 \$220,40 Total Fee Offset Total Fee Offset	-1							
PIK dividends ⁽⁴⁾ Rule 457(i) — — — — — Total Offering Amounts Total Offering Amounts Total Fees Previously Paid S9,000,000 \$0.00011020 \$991.80 Total Fees Previously Paid Total Fee Offset Total Fee Offset		1						
Total Offering Amounts\$9,000,000\$0.00011020\$991.80Total Fees Previously Paid\$220.40Total Fee Offset—			Rule 457(i)	_	_	_	_	_
Total Fees Previously Paid \$220.40 Total Fee Offset —				\$9,000,000	\$0.00011020	\$991.80		
Total Fee Offset —								
	5					_		
		Net Fee Due						\$771.40

(1) Pursuant to Rule 416 under the Securities Act of 1933, as amended (the "Securities Act"), there are also being registered such indeterminate number of additional securities as may be issued to prevent dilution resulting from stock splits, stock dividends and similar transactions.

- (2) Estimated solely for the purpose of calculating the registration fee pursuant to Rule 457(o) under the Securities Act.
- (3) No separate registration fee is required for the shares of the Registrant's common stock, par value \$0.0001 per share (the "Common Stock"), issuable upon conversion of the Series J Convertible Preferred Stock because no additional consideration will be received in connection with the exercise of the conversion privilege.
- (4) No separate registration fee is required for (i) the shares of the Series J Convertible Preferred Stock issuable as stock dividends and (ii) the shares of common stock issuable upon conversion of the Series J Convertible Preferred Stock because no additional consideration will be received by the Registrant in connection with the issuance of the stock dividend or the shares of common stock issuable upon conversion thereof.