

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

FORM 8-K

**CURRENT REPORT
Pursuant to Section 13 or 15(d)
of the Securities Exchange Act of 1934**

Date of Report (Date of earliest event reported): June 9, 2021

Progenity, Inc.

(Exact name of Registrant as Specified in Its Charter)

Delaware
(State or Other Jurisdiction
of Incorporation)

001-39334
(Commission
File Number)

27-3950390
(IRS Employer
Identification No.)

4330 La Jolla Village Drive, Suite 200, San Diego, CA
(Address of Principal Executive Offices)

92122
(Zip Code)

Registrant's Telephone Number, Including Area Code: (855) 293-2639

Not Applicable

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, par value \$0.001 per share	PROG	The Nasdaq Global Market

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

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 13(a) of the Exchange Act.

Item 1.01 Entry into a Material Definitive Agreement.

On June 9, 2021, Progenity, Inc. (the “Company”) entered into a Securities Purchase Agreement (the “Securities Purchase Agreement”) for a private placement (the “Private Placement”) with certain institutional and accredited investors (each, a “Purchaser” and collectively, the “Purchasers”). Pursuant to the Securities Purchase Agreement, the Purchasers have agreed to purchase an aggregate of 16,194,332 units (the “Units”) representing (i) 16,194,332 shares of the Company’s common stock, par value \$0.001 per share (the “Shares”) (or pre-funded warrants in lieu thereof (the “Pre-Funded Warrants”)), and (ii) warrants to purchase up to 16,194,332 shares of common stock (the “Warrants”). The purchase price for each Unit is \$2.47, for an aggregate purchase price of approximately \$40 million. The Private Placement closed on June 14, 2021.

The Warrants are immediately exercisable at an exercise price of \$2.84 per share, subject to adjustments as provided under the terms of the Warrants, and expire on the fifth anniversary of the date of issuance. If exercised for cash, the Warrants would result in additional gross proceeds to the Company of approximately \$46 million.

The Securities Purchase Agreement provides that the Company will register the resale of the Shares and the shares of common stock issuable upon exercise of the Pre-Funded Warrants and the Warrants. The Company is required to prepare and file a registration statement with the Securities and Exchange Commission no later than July 14, 2021, and to use its commercially reasonable efforts to have the registration statement declared effective as soon as practicable, subject to certain specified penalties if timely effectiveness is not achieved.

The securities to be issued to the Purchasers under the Securities Purchase Agreement were issued pursuant to an exemption from registration under Rule 506 of Regulation D, which is promulgated under the Securities Act of 1933 (the “Securities Act”). The Company relied on this exemption from registration based in part on representations made by the Purchasers.

Piper Sandler & Co. served as lead placement agent and Raymond James & Associates, Inc. acted as co-placement agent in connection with the Private Placement and the Company has agreed to pay customary placement fees and reimburse certain expenses of the placement agents.

The sale of the securities pursuant to the Securities Purchase Agreement has not been registered under the Securities Act or any state securities laws. The securities may not be offered or sold in the United States absent registration or an applicable exemption from registration requirements. Neither this Current Report on Form 8-K, nor the exhibits attached hereto, is an offer to sell or the solicitation of an offer to buy the securities described herein.

The Company intends to use the net proceeds from the Private Placement, including any proceeds resulting from a cash exercise of the Warrants, to support its operations, to invest in its molecular testing research and development program, to invest in research and development with respect to its precision medicine platform, and for working capital and general corporate purposes.

The foregoing descriptions of the Securities Purchase Agreement, the Pre-Funded Warrants and the Warrants are not complete and are qualified in their entirety by references to the full text of the Securities Purchase Agreement, the Pre-Funded Warrants and the Warrants, which are filed as exhibits to this report and are incorporated by reference herein.

Item 3.02 Unregistered Sales of Equity Securities.

The information contained above under Item 1.01 is hereby incorporated by reference in response to this Item 3.02 of Form 8-K.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

<u>Exhibit No.</u>	<u>Description</u>
4.1	Form of Warrant.
4.2	Form of Pre-Funded Warrant.
10.1	Securities Purchase Agreement, dated June 9, 2021, by and between the Company and the Purchasers signatory thereto.

* * *

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: June 14, 2021

Progenity, Inc.

By: /s/ Harry Stylli, Ph.D.

Harry Stylli, Ph.D.

Chairman and Chief Executive Officer

THE OFFER AND SALE OF THESE SECURITIES AND THE SECURITIES ISSUABLE UPON EXERCISE OF THESE SECURITIES HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT"), OR ANY APPLICABLE STATE SECURITIES LAWS. THE SECURITIES MAY NOT BE OFFERED FOR SALE, SOLD, TRANSFERRED, ASSIGNED OR OTHERWISE DISPOSED OF (I) IN THE ABSENCE OF (A) AN EFFECTIVE REGISTRATION STATEMENT FOR THE SECURITIES UNDER THE SECURITIES ACT OR (B) AN AVAILABLE EXEMPTION FROM, OR IN A TRANSACTION NOT SUBJECT TO, THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT AND IN EACH CASE IN ACCORDANCE WITH APPLICABLE STATE SECURITIES LAWS OR BLUE SKY LAWS AS EVIDENCED BY A LEGAL OPINION OF COUNSEL REASONABLY SATISFACTORY TO THE COMPANY AND ITS TRANSFER AGENT OR (II) UNLESS SOLD PURSUANT TO RULE 144 UNDER THE SECURITIES ACT. NOTWITHSTANDING THE FOREGOING, THE SECURITIES MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT OR OTHER LOAN OR FINANCING ARRANGEMENT SECURED BY THE SECURITIES; PROVIDED, THAT IN CONNECTION WITH ANY FORECLOSURE OR TRANSFER OF THE SECURITIES, THE TRANSFEROR SHALL COMPLY WITH THE PROVISIONS HEREIN AND IN THE SECURITIES PURCHASE AGREEMENT, AND UPON FORECLOSURE OR TRANSFER OF THE SECURITIES, SUCH FORECLOSING PERSON OR TRANSFEREE SHALL COMPLY WITH ALL PROVISIONS CONTAINED HEREIN AND IN THE SECURITIES PURCHASE AGREEMENT.

PROGENITY, INC.

WARRANT TO PURCHASE COMMON STOCK

Warrant No. []

Original Issue Date: June 14, 2021

Progenity, Inc., a Delaware corporation (the "*Company*"), hereby certifies that, for value received, _____ or its permitted registered assigns (the "*Holder*"), is entitled to purchase from the Company up to a total of _____ shares of common stock, \$0.001 par value per share (the "*Common Stock*"), of the Company (each such share, a "*Warrant Share*" and all such shares, the "*Warrant Shares*") at an exercise price per share equal to \$2.84 per share (as adjusted from time to time as provided in Section 9 herein, the "*Exercise Price*"), at any time and from time to time on or after June __, 2021 (the "*Original Issue Date*") and through and including 5:30 P.M., New York City time, on June __, 2026 (the "*Expiration Date*"), and subject to the following terms and conditions:

This Warrant (this "*Warrant*") is one of a series of similar warrants issued pursuant to that certain Securities Purchase Agreement, dated June 9, 2021, by and among the Company and the Purchasers identified therein (the "*Purchase Agreement*"). All such Warrants are referred to herein, collectively, as the "*Warrants*."

1. Definitions. In addition to the terms defined elsewhere in this Warrant, capitalized terms that are not otherwise defined herein have the meanings given to such terms in the Purchase Agreement.

2. Registration of Warrants. The Company shall register this Warrant, upon records to be maintained by or on behalf of the Company for that purpose (the "*Warrant Register*"), in the name of the record Holder (which shall include the initial Holder or, as the case may be, any registered assignee to which this Warrant is permissibly assigned hereunder) from time to time. The Company 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.

3. Registration of Transfers. Subject to the restrictions on transfer set forth in Section 4.1 of the Purchase Agreement and compliance with all applicable securities laws, the Company shall register the transfer of all or any portion of this Warrant in the Warrant Register, upon surrender of this Warrant, with the Form of Assignment attached as Schedule 2 hereto duly completed and signed, to the Company's transfer agent or to the Company at its address specified in the Purchase Agreement and (x) delivery, at the request of the Company, of an opinion of counsel reasonably satisfactory to the Company to the effect that the transfer of such portion of this Warrant may be made pursuant to an available exemption from the registration requirements of the Securities Act and all applicable state securities or blue sky laws and (y) delivery by the transferee of a written statement to the Company certifying that the transferee is an "accredited investor" as defined in Rule 501(a) under the Securities Act and making the

representations and certifications set forth in Sections 3.2 of the Purchase Agreement, to the Company at its address specified in the Purchase Agreement. Upon any such registration or transfer, a new warrant to purchase Common Stock in substantially the form of this Warrant (any such new warrant, a “*New Warrant*”) evidencing the portion of this Warrant so transferred shall be issued to the transferee, and a New Warrant evidencing the remaining portion of this Warrant not so transferred, if any, shall be issued to the transferring Holder. The acceptance of the New Warrant by the transferee thereof shall be deemed the acceptance by such transferee of all of the rights and obligations in respect of the New Warrant that the Holder has in respect of this Warrant. The Company shall prepare, issue and deliver at its own expense any New Warrant under this Section 3.

4. Exercise and Duration of Warrants.

(a) All or any part of this Warrant shall be exercisable by the registered Holder in any manner permitted by Section 10 of this Warrant at any time and from time to time on or after the Original Issue Date and through and including 5:30 P.M., New York City time, on the Expiration Date, subject to the conditions and restrictions contained in this Warrant. At 5:30 P.M., New York City time, on the Expiration Date, the portion of this Warrant not exercised prior thereto shall be and become void and of no value and this Warrant shall be terminated and no longer outstanding.

(b) The Holder may exercise this Warrant by delivering to the Company (i) an exercise notice, in the form attached as Schedule 1 hereto (the “*Exercise Notice*”), completed and duly signed, and (ii) payment of the Exercise Price for the number of Warrant Shares as to which this Warrant is being exercised (which may take the form of a “cashless exercise” if so indicated in the Exercise Notice pursuant to Section 10 below). The date on which the Exercise Notice is delivered to the Company (as determined in accordance with the notice provisions hereof) is an “*Exercise Date*.” Within two (2) days following the delivery of the Exercise Notice (the “*Payment Deadline*”), the Holder shall make payment with respect to the Exercise Price for the number of Warrant Shares as to which this Warrant is being exercised; provided that the Company’s obligations to deliver such Warrant Shares shall be delayed on a day-for-day basis each day after the Payment Deadline such payment of the Exercise Price is not paid. The delivery by (or on behalf of) the Holder of the Exercise Notice and the applicable Exercise Price as provided above shall constitute the Holder’s certification to the Company that its representations contained in Sections 3.2(b), (c) and (d) of the Purchase Agreement are true and correct as of the Exercise Date as if remade in their entirety (or, in the case of any transferee Holder that is not a party to the Purchase Agreement, such transferee Holder’s certification to the Company that such representations are true and correct as to such transferee Holder as of the Exercise Date). The Holder shall not be required to physically surrender this Warrant to the Company until the Holder has purchased all of the Warrant Shares available hereunder and the Warrant has been exercised in full, in which case, the Holder shall surrender this Warrant to the Company for cancellation within three (3) Trading Days of the date the final Exercise Notice is delivered to the Company. Execution and delivery of the Exercise Notice shall have the same effect as cancellation of the original Warrant and issuance of a New Warrant evidencing the right to purchase the remaining number of Warrant Shares, if any.

5. Delivery of Warrant Shares.

(a) Subject to Section 4(b), upon exercise of this Warrant, the Company shall promptly (but no later than two (2) Trading Days after the Exercise Date (or three (3) Trading Days after the Exercise Date if the last of the Exercise Notice, the Exercise Price (if applicable) and the opinion of counsel referred to below in this Section 5(a) (if applicable) is delivered after 5:00 P.M., New York City time, on the Exercise Date) or as soon as reasonably practicable in the event that a certificate is requested) issue or cause to be issued and cause to be delivered to or upon the written order of the Holder and in such name or names as the Holder may designate (*provided* that, if the Registration Statement (as defined in the Purchase Agreement) is not effective and the Holder directs the Company to deliver a certificate for the Warrant Shares in a name other than that of the Holder or an Affiliate of the Holder, it shall deliver to the Company on the Exercise Date an opinion of counsel reasonably satisfactory to the Company to the effect that the issuance of such Warrant Shares in such other name may be made pursuant to an available exemption from the registration requirements of the Securities Act and all applicable state securities or blue sky laws), (i) an electronic delivery of the Warrant Shares to the Holder’s account at the Depository Trust Company (“*DTC*”) or a similar organization, or (ii), if requested by the Holder, a certificate for the Warrant Shares issuable upon such exercise, free of restrictive legends, unless in the case of clause (i) and (ii) a registration statement covering the resale of the Warrant Shares and naming the Holder as a selling stockholder thereunder is not then effective or the Warrant Shares are not freely transferable without volume and manner of sale restrictions pursuant to Rule 144 under the Securities Act, in which case such Holder shall receive a book-entry notation for the Warrant

Shares issuable upon such exercise with appropriate restrictive legends. The Holder, or any Person permissibly so designated by the Holder to receive Warrant Shares, shall be deemed to have become the holder of record of such Warrant Shares as of the Exercise Date. If the Warrant Shares are to be issued free of all restrictive legends, the Company shall, upon the written request of the Holder, use its commercially reasonable efforts to deliver, or cause to be delivered, Warrant Shares hereunder electronically through DTC or another established clearing corporation performing similar functions, if available; provided, that, the Company may, but will not be required to, change its transfer agent if its current transfer agent cannot deliver Warrant Shares electronically through such a clearing corporation.

(b) To the extent permitted by law, the Company's obligations to issue and deliver Warrant Shares in accordance with and subject to the terms hereof (including the limitations set forth in Section 12 below) are absolute and unconditional, irrespective of any action or inaction by the 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. If the Company fails for any reason to deliver to the Holder the Warrant Shares subject to a Notice of Exercise by the delivery deadline set forth in this Section 5, the Company shall pay to the Holder, in cash, as liquidated damages and not as a penalty, for each \$1,000 of Warrant Shares subject to such exercise (based on the VWAP of a share of the Common Stock on the applicable Exercise Date), \$10 per Trading Day (increasing to \$20 per Trading Day with respect to any Trading Day that is five (5) Trading Days after such liquidated damages have begun to accrue) for each Trading Day after such deadline until such Warrant Shares are delivered or Holder rescinds such exercise. Nothing herein shall limit the 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 the Warrant Shares upon exercise of the Warrant as required pursuant to the terms hereof.

(c) 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 Warrant Shares in accordance with the provisions of Section 5(a) above pursuant to an exercise on or before the deadline set forth in this Section 5, 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, Common Stock to deliver in satisfaction of a sale by the Holder of the 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 Common Stock so purchased exceeds (y) the amount obtained by multiplying (1) the number of 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 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 Common Stock that would have been issued had the Company timely complied with its exercise and delivery obligations hereunder. 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 Warrant Shares upon exercise of the Warrant as required pursuant to the terms hereof.

6. Charges, Taxes and Expenses. Issuance and delivery of the Warrant Shares upon exercise of this Warrant shall be made without charge to the Holder for any issue or transfer tax, transfer agent fee or other incidental tax or expense in respect of the issuance of the Warrant Shares, all of which taxes and expenses shall be paid by the Company; *provided, however*, that the Company shall not be required to pay any tax that may be payable in respect of any transfer involved in the registration Warrant Shares or the Warrants in a name other than that of the Holder or an Affiliate thereof. The Holder shall be responsible for all other tax liabilities that may arise as a result of holding or transferring this Warrant or receiving Warrant Shares upon exercise hereof.

7. Replacement of Warrant. If this Warrant is mutilated, lost, stolen or destroyed, the Company shall issue or cause to be issued in exchange and substitution for and upon cancellation hereof, or in lieu of and substitution for this Warrant, a New Warrant, but only upon receipt of evidence reasonably satisfactory to the Company of such loss, theft or destruction (in such case) and, in each case, a customary and reasonable indemnity and surety bond, if requested by the Company. Applicants for a New Warrant under such circumstances shall also comply with such other reasonable regulations and procedures and pay such other reasonable third-party costs as the Company may prescribe. If a New Warrant is requested as a result of a mutilation of this Warrant, then the Holder shall deliver such mutilated Warrant to the Company as a condition precedent to the Company's obligation to issue the New Warrant.

8. **Reservation of Warrant Shares.** The Company covenants that it will at all times reserve and keep available out of the aggregate of its authorized but unissued and otherwise unreserved Common Stock, solely for the purpose of enabling it to issue Warrant Shares upon exercise of this Warrant as herein provided, the number of Warrant Shares that are initially issuable and deliverable upon the exercise of this entire Warrant, free from preemptive rights or any other contingent purchase rights of persons other than the Holder (taking into account the adjustments and restrictions of [Section 9](#)). The Company covenants that all Warrant Shares so issuable and deliverable shall, upon issuance and the payment of the applicable Exercise Price (or upon a “cashless exercise” pursuant to [Section 10](#)) in accordance with the terms hereof, be duly and validly authorized, issued and fully paid and nonassessable. The Company will take all commercially reasonable actions as may be necessary to assure that such shares of Common Stock may be issued as provided herein without violation of any applicable law or regulation, or of any requirements of any securities exchange or automated quotation system upon which the Common Stock may be listed.

9. **Certain Adjustments.** The Exercise Price and number of Warrant Shares issuable upon exercise of this Warrant are subject to adjustment from time to time as set forth in this [Section 9](#).

(a) **Stock Dividends and Splits.** If the Company, at any time while this Warrant is outstanding, (i) pays a stock dividend on its Common Stock or otherwise makes a distribution on any class of capital stock that is payable in shares of Common Stock, (ii) subdivides its outstanding shares of Common Stock into a larger number of shares, or (iii) combines its outstanding shares of Common Stock into a smaller number of shares, then in each such case, the Exercise Price shall be multiplied 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 of Common Stock outstanding immediately after such event. Any adjustment made pursuant to clause (i) of this paragraph shall become effective immediately after the record date for the determination of stockholders entitled to receive such dividend or distribution, and any adjustment pursuant to clause (ii) or (iii) of this paragraph shall become effective immediately after the effective date of such subdivision or combination.

(b) **Pro Rata Distributions.** If the Company, at any time while this Warrant is outstanding, distributes to all holders of Common Stock for no consideration (i) evidences of its indebtedness, (ii) any security (other than a distribution of Common Stock covered by the preceding paragraph) or (iii) rights or warrants to subscribe for or purchase any security, or (iv) any other asset (in each case, “*Distributed Property*”), then, upon any exercise of this Warrant that occurs after the record date fixed for determination of stockholders entitled to receive such distribution, the Holder shall be entitled to receive, in addition to the Warrant Shares otherwise issuable upon such exercise (if applicable), the Distributed Property that such Holder would have been entitled to receive in respect of such number of Warrant Shares had the Holder been the record holder of such Warrant Shares immediately prior to such record date without regard to any limitation on exercise contained therein. Notwithstanding anything herein to the contrary, the foregoing provisions in this [Section 9\(b\)](#) shall not apply to, or be triggered by, any rights issued by the Company (either separately or that attach to any securities of the Company) in connection with any stockholders rights agreement, poison pill or other similar anti-takeover provision under the Company’s certificate of incorporation, bylaws or other documents.

(c) **Fundamental Transactions.** If, at any time while this Warrant is outstanding, the Company effects a “*Fundamental Transaction*” (defined as (i) any merger or consolidation of the Company with or into another Person (ii) any sale of all or substantially all of the Company’s and its subsidiaries’ assets, taken as a whole, (iii) any reclassification of the Common Stock (other than a change to par value, or from par value to no par value or changes resulting from a combination or subdivision), or (iv) any statutory exchange of the outstanding shares of Common Stock, as a result of which, the holders of the Common Stock would be entitled to receive, or their Common Stock would be converted into, or exchanged for, shares, stock, other securities, or other property or assets (including cash or any combination thereof)), then, to the extent then permitted under applicable laws, rules and regulations (including the rules of the Nasdaq Stock Market or any exchange on which the Common Stock is then listed), upon any subsequent exercise of this Warrant, the Holder shall have the right to receive, for each Warrant Share that would have been issuable upon such exercise immediately prior to the occurrence of such Fundamental Transaction, the same kind and amount of securities, cash, assets or property as it would have been entitled to receive upon the occurrence of such Fundamental Transaction if it had been, immediately prior to such Fundamental Transaction, the holder of the number of Warrant Shares then issuable upon exercise in full of this Warrant without regard to any

limitations on exercise contained herein (the “*Alternate Consideration*”). The Company shall not effect any such Fundamental Transaction unless prior to or simultaneously with the consummation thereof, any successor to the Company or surviving entity shall assume the obligation to deliver to the Holder, such Alternate Consideration as, in accordance with the foregoing provisions, the Holder may be entitled to receive, and the other obligations under this Warrant. The provisions of this Section 9(c) shall similarly apply to subsequent transactions analogous of a Fundamental Transaction type.

(d) Number of Warrant Shares. Simultaneously with any adjustment to the Exercise Price pursuant to paragraph (a) of this Section 9, the number of Warrant Shares that may be purchased upon exercise of this Warrant shall be increased or decreased proportionately, so that after such adjustment the aggregate Exercise Price payable hereunder for the increased or decreased number of Warrant Shares shall be the same as the aggregate Exercise Price in effect immediately prior to such adjustment.

(e) Calculations. All calculations under this Section 9 shall be rounded down to the nearest whole cent or the nearest whole share, as applicable.

(f) Notice of Adjustments. Upon the occurrence of each adjustment pursuant to this Section 9, the Company at its expense will, at the written request of the Holder, promptly compute such adjustment, in good faith, in accordance with the terms of this Warrant and prepare a certificate setting forth such adjustment, including a statement of the adjusted Exercise Price and adjusted number or type of Warrant Shares or other securities issuable upon exercise of this Warrant (as applicable), describing the transactions giving rise to such adjustments and showing in detail the facts upon which such adjustment is based. Upon written request, the Company will promptly deliver a copy of each such certificate to the Holder and to the Company’s transfer agent.

(g) Notice of Corporate Events. If, while this Warrant is outstanding, the Company (i) declares a dividend or any other distribution of cash, securities or other property in respect of its Common Stock, including, without limitation, any granting of rights or warrants to subscribe for or purchase any capital stock of the Company, (ii) enters into any agreement contemplating or solicits stockholder approval for any Fundamental Transaction or (iii) authorizes the voluntary dissolution, liquidation or winding up of the affairs of the Company, then, except if such notice and the contents thereof shall be deemed to constitute material non-public information, the Company shall deliver to the Holder a notice of such transaction at least three (3) Trading Days prior to the applicable record or effective date on which a Person would need to hold Common Stock in order to participate in or vote with respect to such transaction; *provided, however*, that the failure to deliver such notice or any defect therein shall not affect the validity of the corporate action required to be described in such notice. To the extent that any notice provided hereunder constitutes, or contains, material, non-public information regarding the Company or any of its subsidiaries, the Company shall simultaneously file such notice with the Commission (as defined in the Purchase Agreement) pursuant to a Current Report on Form 8-K.

10. Payment of Exercise Price. The Holder shall pay the Exercise Price in immediately available funds by wire transfer to an account designated by the Company; provided, however, that the Holder may, in its sole discretion, satisfy its obligation to pay the Exercise Price at such time through a “cashless exercise”, in which event the Company shall issue to the Holder the number of Warrant Shares equal to the quotient obtained by dividing [(A-B) (X)] by (A), where:

- (A) = the last reported closing sale price per share of Common Stock on the Trading Market on the Trading Day immediately preceding the Exercise Date;
- (B) = the Exercise Price of this Warrant, as adjusted hereunder; and
- (X) = the number of Warrant Shares that would be issuable upon exercise of this Warrant in accordance with the terms of this Warrant if such exercise were by means of a cash exercise rather than a cashless exercise.

For purposes of this Warrant:

“VWAP” 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 a share of 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)), or (b) if the Common Stock is not then listed on any Trading Market, the fair market value of a share of Common Stock as determined by an independent appraiser selected in good faith by the Holders of a majority in interest of the Warrants then outstanding and reasonably acceptable to the Company, the fees and expenses of which shall be paid by the Company.

If Warrant Shares are issued in such a cashless exercise, the parties acknowledge and agree that in accordance with Section 3(a)(9) of the Securities Act, and the holding period of the Warrant Shares being issued may be tacked on to the holding period of this Warrant, the Warrant Shares shall take on the characteristics of the Warrants being exercised. The Company agrees not to take any position to the contrary.

11. Company-Elected Conversion. The Company shall provide to the Holder prompt written notice if after the Original Issue Date the Company is unable to issue the Warrant Shares without restrictive legend, because the Commission has issued a stop order with respect to, or the Commission or Company has otherwise suspended or withdrawn, a Registration Statement covering the resale of the Warrant Shares, either temporarily or permanently, or otherwise (each a “*Restrictive Legend Event*”). To the extent that (A) a Restrictive Legend Event occurs, (B) at such time the Warrant Shares would be saleable under Rule 144 without compliance with the manner of sale or volume restrictions, (C) the Company has delivered the notice described in the immediately preceding sentence, and (D) the Holder attempts to exercise the Warrant after receipt of such notice by paying cash, the Company shall (i) if the Fair Market Value (as calculated above) of the Warrant Shares is greater than the Exercise Price, provide written notice to the Holder that the Company will deliver that number of Warrant Shares to the Holder as should be delivered in a cashless exercise in accordance with Section 10, and return to the Holder all consideration paid to the Company in connection with the Holder’s attempted exercise of this Warrant (a “*Company-Elected Conversion*”), or (ii) at the election of the Holder to be given within five (5) days of receipt of notice of a Company-Elected Conversion, the Holder shall be entitled to rescind the previously submitted Exercise Notice and the Company shall return all consideration paid by Holder for such Warrant Shares upon such rescission.

12. Limitations on Exercise. Notwithstanding anything to the contrary contained herein, the number of Warrant Shares that may be acquired by the Holder upon any exercise of this Warrant (or otherwise in respect hereof) shall be limited to the extent necessary to ensure that, following such exercise (or other issuance), the total number of shares of Common Stock then beneficially owned by the Holder and its Affiliates and any other Persons whose beneficial ownership of Common Stock would be aggregated with the Holder’s for purposes of Section 13(d) of the Exchange Act, does not exceed 9.9% (the “*Maximum Percentage*”) of the total number of then issued and outstanding shares of Common Stock (including for such purpose the shares of Common Stock issuable upon such exercise). For purposes of the foregoing sentence, the aggregate number of shares of Common Stock beneficially owned by the Holder and its Affiliates shall include the number of shares of Common Stock issuable upon exercise of this Warrant with respect to which the determination of such sentence is being made, but shall exclude shares of Common Stock which would be issuable upon (i) exercise of the remaining, unexercised portion of this Warrant beneficially owned by such Person and its Affiliates and (ii) exercise or conversion of the unexercised or unconverted portion of any other securities of the Company beneficially owned by the Holder and its Affiliates (including, without limitation, any convertible notes or convertible preferred stock or warrants) subject to a limitation on conversion or exercise analogous to the limitation contained herein; provided that in no event shall the aggregate number of shares beneficially owned by the Holder and its Affiliates, calculated in accordance with Section 13(d) of the Exchange Act, exceed 9.9%. Except as set forth in the preceding sentence (other than the proviso thereto), for purposes of this paragraph (including the proviso in the immediately preceding sentence), beneficial ownership shall be calculated in accordance with Section 13(d) of the Exchange Act; it being acknowledged by the Holder that the Company is not representing to such Holder that such calculation is in compliance with Section 13(d) of the Exchange Act and such Holder is solely responsible for any schedules required to be filed in accordance therewith. To the extent that the limitation contained in this Section 12 applies, the determination of whether this Warrant is exercisable (in relation to other securities owned by such Holder) and of which a portion of this Warrant is exercisable shall be in the sole discretion of a Holder, and the submission of a Notice of Exercise shall be deemed to be the Holder’s determination of whether this Warrant is exercisable (in relation to other securities owned by such Holder) and of which portion of this Warrant is exercisable, in each case subject to such aggregate percentage limitation, and the Company 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 12, in determining the number of outstanding shares of Common Stock, the Holder may rely on the number of outstanding shares of Common Stock as reflected in (x) the Company's most recent Form 10-Q or Form 10-K, as the case may be, (y) a more recent public announcement by the Company or (z) any other notice by the Company or the Transfer Agent setting forth the number of shares of Common Stock outstanding. Upon the written request of the Holder, the Company shall within three (3) Trading Days confirm in writing to such Holder the number of shares of Common Stock then outstanding. In any case, the number of outstanding shares Common Stock shall be determined after giving effect to the conversion or exercise of securities of the Company, including the Warrants, by the Holder and its Affiliates since the date as of which such number of outstanding shares of Common Stock was reported. By written notice to the Company, the Holder may from time to time increase or decrease the Maximum Percentage to any other percentage not in excess of 9.9% specified in such notice; provided, that (i) any such increase will not be effective until the sixty-first (61st) day after such notice is delivered to the Company, and (ii) any such increase or decrease will apply only to the Holder and not to any other holder of Warrants. The provisions of this paragraph shall not apply to the Holder if the aggregate number of shares beneficially owned by the Holder and its Affiliates, calculated in accordance with Section 13(d) of the Exchange Act, exceed 9.9% immediately prior to the Closing. The provisions of this paragraph shall be construed and implemented in a manner otherwise than in strict conformity with the terms of this Section 12 to correct this paragraph (or any portion hereof) which may be defective or inconsistent with the intended beneficial ownership limitation herein contained or to make changes or supplements necessary or desirable to properly give effect to such limitation.

13. No Fractional Shares. No fractional Warrant Shares will be issued in connection with any exercise of this Warrant. In lieu of any fractional shares that would otherwise be issuable, the number of Warrant Shares to be issued shall be rounded down to the next whole number and the Company shall pay the Holder in cash the fair market value (based on the Closing Sale Price) for any such fractional shares.

14. Notices. Any and all notices or other communications or deliveries hereunder (including, without limitation, any Exercise Notice) shall be in writing and shall be deemed given and effective on the earliest of (i) the date of transmission, if such notice or communication is delivered via email at the email address specified in the Purchase Agreement prior to 5:30 P.M., New York City time, on a Trading Day, (ii) the next Trading Day after the date of transmission, if such notice or communication is delivered via email at the email address specified in the Purchase Agreement on a day that is not a Trading Day or later than 5:30 P.M., New York City time, on any Trading Day, (iii) the Trading Day following the date of mailing, if sent by nationally recognized overnight courier service specifying next business day delivery, and (iv) upon actual receipt by the Person to whom such notice is required to be given, if by hand delivery. The address and email address of a Person for such notices or communications shall be as set forth in the Purchase Agreement unless changed by such Person by two (2) Trading Days' prior written notice to the other Persons in accordance with this Section 14.

15. Warrant Agent. The Company shall serve as warrant agent under this Warrant. Upon notice to the Holder, the Company may appoint a new warrant agent. Any corporation into which the Company or any new warrant agent may be merged or any corporation resulting from any consolidation to which the Company or any new warrant agent shall be a party or any corporation to which the Company or any new warrant agent transfers substantially all of its corporate trust or stockholders services business shall be a successor warrant agent under this Warrant without any further act. Any such successor warrant agent shall promptly cause notice of its succession as warrant agent to be mailed (by first class mail, postage prepaid) to the Holder at the Holder's last address as shown on the Warrant Register.

16. Miscellaneous.

(a) No Rights as a Stockholder. The Holder, solely in such Person's capacity as a holder of this Warrant, 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 be construed to confer upon the Holder, solely in such Person's capacity as the Holder of this Warrant, any of the rights of a stockholder of the Company or any right to vote, give or withhold consent to any corporate action (whether any reorganization, issue of stock, reclassification of stock, consolidation, merger, amalgamation, conveyance or otherwise), receive notice of meetings, receive dividends or subscription rights, or otherwise, prior to the issuance to the Holder of the Warrant Shares which such Person is then entitled to receive upon the due exercise of this Warrant. In addition, nothing contained in this Warrant shall be construed as imposing any liabilities on the Holder to purchase any securities (except upon exercise of this Warrant or otherwise) or as a stockholder of the Company, whether such liabilities are asserted by the Company or by creditors of the Company.

(b) No Avoidance. Except and to the extent as waived or consented to by the Holder, the Company shall not by any action, including, without limitation, amending its certificate or articles 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 Holder as set forth in this Warrant against impairment. Without limiting the generality of the foregoing, the Company will (a) not increase the par value of any Warrant Shares above the amount payable therefor upon such exercise immediately prior to such increase in par value, (b) take all such action as may be necessary or appropriate in order that the Company may validly and legally issue fully paid and nonassessable Warrant Shares upon the exercise of this Warrant, and (c) 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.

(c) Successors and Assigns. Subject to the restrictions on transfer set forth in this Warrant and in Section 4.1 of the Purchase Agreement, and compliance with applicable securities laws, this Warrant may be assigned by the Holder. This Warrant may not be assigned by the Company without the written consent of the Holder except to a successor in the event of a Fundamental Transaction. This Warrant shall be binding on and inure to the benefit of the Company and the Holder and their respective successors and permitted assigns. Subject to the preceding sentence, nothing in this Warrant shall be construed to give to any Person other than the Company and the Holder any legal or equitable right, remedy or cause of action under this Warrant. This Warrant may be amended only in writing signed by the Company and the Holder, or their successors and assigns.

(d) Authorized Shares. The Company covenants that, during the period the Warrant is outstanding, it will reserve from its authorized and unissued Common Stock a sufficient number of shares to provide for the issuance of the Warrant Shares upon the exercise of any purchase rights under this Warrant. 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 Warrant Shares upon the exercise of the purchase rights under this Warrant. The Company will take all such reasonable action as may be necessary to assure that such Warrant Shares 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 Warrant Shares which may be issued upon the exercise of the purchase rights represented by this Warrant will, upon exercise of the purchase rights represented by this Warrant and payment for such 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).

(e) Amendment and Waiver. Except as otherwise provided herein and subject to the restrictions set forth in the last sentence of Section 6.4 of the Purchase Agreement, the provisions of the Warrants may be amended and the Company may take any action herein prohibited, or omit to perform any act herein required to be performed by it, only if the Company has obtained the written consent of the Holders of Warrants representing no less than a majority of the Warrant Shares obtainable upon exercise of the Warrants then outstanding.

(f) Acceptance. Receipt of this Warrant by the Holder shall constitute acceptance of and agreement to all of the terms and conditions contained herein.

(g) Governing Law; Jurisdiction. All questions concerning the construction, validity, enforcement and interpretation of this warrant shall be governed by and construed and enforced in accordance with the laws of the state of New York, without regard to the principles of conflicts of law thereof. Each of the Company and the Holder hereby irrevocably submits to the exclusive jurisdiction of the state and federal courts sitting in the City and County of New York 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 suit, action or proceeding, any claim that it is not personally subject to the jurisdiction of any such courts. Each of the Company and the Holder hereby 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 person at the address in effect for notices to it under the purchase 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 manner permitted by law. Each of the Company and the Holder hereby waives all rights to a trial by jury.

(h) Headings. The headings herein are for convenience only, do not constitute a part of this Warrant and shall not be deemed to limit or affect any of the provisions hereof.

(i) Severability. In case any one or more of the provisions of this Warrant shall be invalid or unenforceable in any respect, the validity and enforceability of the remaining terms and provisions of this Warrant shall not in any way be affected or impaired thereby, and the Company and the Holder will attempt in good faith to agree upon a valid and enforceable provision which shall be a commercially reasonable substitute therefor, and upon so agreeing, shall incorporate such substitute provision in this Warrant.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

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

PROGENITY, INC.

By: _____

Name:

Title:

SCHEDULE 1
FORM OF EXERCISE NOTICE

[To be executed by the Holder to purchase shares of Common Stock under the Warrant]

Ladies and Gentlemen:

(1) The undersigned is the Holder of Warrant No. _____ (the "Warrant") issued by Progenity, Inc., a Delaware corporation (the "Company"). Capitalized terms used herein and not otherwise defined herein have the respective meanings set forth in the Warrant.

(2) The undersigned hereby exercises its right to purchase _____ Warrant Shares pursuant to the Warrant.

(3) The Holder intends that payment of the Exercise Price shall be made as (check one):

- Cash Exercise
 "Cashless Exercise"

(4) If the Holder has elected a Cash Exercise, the Holder shall pay the sum of \$_____ in immediately available funds to the Company in accordance with the terms of the Warrant.

(5) Pursuant to this Exercise Notice, the Company shall deliver to the Holder Warrant Shares determined in accordance with the terms of the Warrant.

(6) By its delivery of this Exercise Notice, the undersigned represents and warrants to the Company that in giving effect to the exercise evidenced hereby the Holder will not beneficially own in excess of the number of shares of Common Stock (as determined in accordance with Section 13(d) of the Securities Exchange Act of 1934) permitted to be owned under Section 12 of the Warrant to which this notice relates.

(7) By its delivery of this Exercise Notice and pursuant to Section 4(b) of the Warrant, the undersigned certifies to the Company that its representations contained in Sections 3.2(b), (c) and (d) of the Purchase Agreement are true and correct as of the date hereof as if remade in their entirety (or, in the case of any transferee Holder that is not a party to the Purchase Agreement, such transferee Holder's certification to the Company that such representations are true and correct as to such transferee Holder as of the date hereof).

Dated: _____

Name of Holder: _____

By: _____

Name: _____

Title: _____

(Signature must conform in all respects to name of Holder as specified on the face of the Warrant)

SCHEDULE 2
FORM OF ASSIGNMENT

[To be completed and executed by the Holder only upon transfer of the Warrant]

FOR VALUE RECEIVED, the undersigned hereby sells, assigns and transfers unto (the “*Transferee*”) the right represented by the within Warrant to purchase shares of Common Stock of Progenity, Inc. (the “*Company*”) to which the within Warrant relates and appoints attorney to transfer said right on the books of the Company with full power of substitution in the premises. In connection therewith, the undersigned represents, warrants, covenants and agrees to and with the Company that:

- (a) the offer and sale of the Warrant contemplated hereby is being made in compliance with Section 4(a)(2) of the United States Securities Act of 1933, as amended (the “*Securities Act*”) or another valid exemption from the registration requirements of Section 5 of the Securities Act and in compliance with all applicable securities laws of the states of the United States;
- (b) the undersigned has not offered to sell the Warrant by any form of general solicitation or general advertising, including, but not limited to, any advertisement, article, notice or other communication published in any newspaper, magazine or similar media or broadcast over television or radio, and any seminar or meeting whose attendees have been invited by any general solicitation or general advertising;
- (c) the undersigned has read the Transferee’s investment letter included herewith, and to its actual knowledge, the statements made therein are true and correct; and
- (d) the undersigned understands that the Company may condition the transfer of the Warrant contemplated hereby upon the delivery to the Company by the undersigned or the Transferee, as the case may be, of a written opinion of counsel (which opinion shall be in form, substance and scope customary for opinions of counsel in comparable transactions) to the effect that such transfer may be made without registration under the Securities Act and under applicable securities laws of the states of the United States.

Dated: _____

(Signature must conform in all respects to name of holder as specified on the face of the Warrant)

Address of Transferee

In the presence of:

THE OFFER AND SALE OF THESE SECURITIES AND THE SECURITIES ISSUABLE UPON EXERCISE OF THESE SECURITIES HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT"), OR ANY APPLICABLE STATE SECURITIES LAWS. THE SECURITIES MAY NOT BE OFFERED FOR SALE, SOLD, TRANSFERRED, ASSIGNED OR OTHERWISE DISPOSED OF (I) IN THE ABSENCE OF (A) AN EFFECTIVE REGISTRATION STATEMENT FOR THE SECURITIES UNDER THE SECURITIES ACT OR (B) AN AVAILABLE EXEMPTION FROM, OR IN A TRANSACTION NOT SUBJECT TO, THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT AND IN EACH CASE IN ACCORDANCE WITH APPLICABLE STATE SECURITIES LAWS OR BLUE SKY LAWS AS EVIDENCED BY A LEGAL OPINION OF COUNSEL REASONABLY SATISFACTORY TO THE COMPANY AND ITS TRANSFER AGENT OR (II) UNLESS SOLD PURSUANT TO RULE 144 UNDER THE SECURITIES ACT. NOTWITHSTANDING THE FOREGOING, THE SECURITIES MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT OR OTHER LOAN OR FINANCING ARRANGEMENT SECURED BY THE SECURITIES; PROVIDED, THAT IN CONNECTION WITH ANY FORECLOSURE OR TRANSFER OF THE SECURITIES, THE TRANSFEROR SHALL COMPLY WITH THE PROVISIONS HEREIN AND IN THE SECURITIES PURCHASE AGREEMENT, AND UPON FORECLOSURE OR TRANSFER OF THE SECURITIES, SUCH FORECLOSING PERSON OR TRANSFEREE SHALL COMPLY WITH ALL PROVISIONS CONTAINED HEREIN AND IN THE SECURITIES PURCHASE AGREEMENT.

PROGENITY, INC.

PRE-FUNDED WARRANT TO PURCHASE COMMON STOCK

Warrant No. []

Original Issue Date: June 14, 2021

Progenity, Inc., a Delaware corporation (the "*Company*"), hereby certifies that, for value received, _____ or its permitted registered assigns (the "*Holder*"), is entitled to purchase from the Company up to a total of _____ shares of common stock, \$0.001 par value per share (the "*Common Stock*"), of the Company (each such share, a "*Warrant Share*" and all such shares, the "*Warrant Shares*") at an exercise price per share equal to \$0.001 per share (as adjusted from time to time as provided in Section 9 herein, the "*Exercise Price*"), at any time and from time to time on or after June ____, 2021 (the "*Original Issue Date*") and until this Pre-Funded Warrant is exercised in full (the "*Expiration Date*"), and subject to the following terms and conditions:

This Pre-Funded Warrant (this "*Warrant*") is one of a series of similar warrants issued pursuant to that certain Securities Purchase Agreement, dated June 9, 2021, by and among the Company and the Purchasers identified therein (the "*Purchase Agreement*"). All such Warrants are referred to herein, collectively, as the "*Warrants*."

1. Definitions. In addition to the terms defined elsewhere in this Warrant, capitalized terms that are not otherwise defined herein have the meanings given to such terms in the Purchase Agreement.

2. Registration of Warrants. The Company shall register this Warrant, upon records to be maintained by or on behalf of the Company for that purpose (the "*Warrant Register*"), in the name of the record Holder (which shall include the initial Holder or, as the case may be, any registered assignee to which this Warrant is permissibly assigned hereunder) from time to time. The Company 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.

3. Registration of Transfers. Subject to the restrictions on transfer set forth in Section 4.1 of the Purchase Agreement and compliance with all applicable securities laws, the Company shall register the transfer of all or any portion of this Warrant in the Warrant Register, upon surrender of this Warrant, with the Form of Assignment attached as Schedule 2 hereto duly completed and signed, to the Company's transfer agent or to the Company at its address specified in the Purchase Agreement and (x) delivery, at the request of the Company, of an opinion of counsel reasonably satisfactory to the Company to the effect that the transfer of such portion of this Warrant may be made pursuant to an available exemption from the registration requirements of the Securities Act and all applicable state securities or blue sky laws and (y) delivery by the transferee of a written statement to the Company certifying that the transferee is an "accredited investor" as defined in Rule 501(a) under the Securities Act and making the

representations and certifications set forth in Sections 3.2 of the Purchase Agreement, to the Company at its address specified in the Purchase Agreement. Upon any such registration or transfer, a new warrant to purchase Common Stock in substantially the form of this Warrant (any such new warrant, a “*New Warrant*”) evidencing the portion of this Warrant so transferred shall be issued to the transferee, and a New Warrant evidencing the remaining portion of this Warrant not so transferred, if any, shall be issued to the transferring Holder. The acceptance of the New Warrant by the transferee thereof shall be deemed the acceptance by such transferee of all of the rights and obligations in respect of the New Warrant that the Holder has in respect of this Warrant. The Company shall prepare, issue and deliver at its own expense any New Warrant under this Section 3.

4. Exercise and Duration of Warrants.

(a) All or any part of this Warrant shall be exercisable by the registered Holder in any manner permitted by Section 10 of this Warrant at any time and from time to time on or after the Original Issue Date and through and including 5:30 P.M., New York City time, on the Expiration Date, subject to the conditions and restrictions contained in this Warrant. At 5:30 P.M., New York City time, on the Expiration Date, the portion of this Warrant not exercised prior thereto shall be and become void and of no value and this Warrant shall be terminated and no longer outstanding.

(b) The Holder may exercise this Warrant by delivering to the Company (i) an exercise notice, in the form attached as Schedule 1 hereto (the “*Exercise Notice*”), completed and duly signed, and (ii) payment of the Exercise Price for the number of Warrant Shares as to which this Warrant is being exercised (which may take the form of a “cashless exercise” if so indicated in the Exercise Notice pursuant to Section 10 below). The date on which the Exercise Notice is delivered to the Company (as determined in accordance with the notice provisions hereof) is an “*Exercise Date*.” Within two (2) days following the delivery of the Exercise Notice (the “*Payment Deadline*”), the Holder shall make payment with respect to the Exercise Price for the number of Warrant Shares as to which this Warrant is being exercised; provided that the Company’s obligations to deliver such Warrant Shares shall be delayed on a day-for-day basis each day after the Payment Deadline such payment of the Exercise Price is not paid. The delivery by (or on behalf of) the Holder of the Exercise Notice and the applicable Exercise Price as provided above shall constitute the Holder’s certification to the Company that its representations contained in Sections 3.2(b), (c) and (d) of the Purchase Agreement are true and correct as of the Exercise Date as if remade in their entirety (or, in the case of any transferee Holder that is not a party to the Purchase Agreement, such transferee Holder’s certification to the Company that such representations are true and correct as to such transferee Holder as of the Exercise Date). The Holder shall not be required to physically surrender this Warrant to the Company until the Holder has purchased all of the Warrant Shares available hereunder and the Warrant has been exercised in full, in which case, the Holder shall surrender this Warrant to the Company for cancellation within three (3) Trading Days of the date the final Exercise Notice is delivered to the Company. Execution and delivery of the Exercise Notice shall have the same effect as cancellation of the original Warrant and issuance of a New Warrant evidencing the right to purchase the remaining number of Warrant Shares, if any.

(c) The aggregate exercise price of this Warrant, except for a nominal exercise price of \$0.001 per Warrant Share, was pre-funded to the Company on or prior to the Original Issue Date and, consequently, no additional consideration (other than the nominal Exercise Price) shall be required to be paid by the Holder to any Person to effect any exercise of this Warrant. The Holder shall not be entitled to the return or refund of all, or any portion, of such pre-paid aggregate exercise price under any circumstance or for any reason whatsoever, including in the event this Warrant shall not have been exercised prior to the Expiration Date.

5. Delivery of Warrant Shares.

(a) Subject to Section 4(b), upon exercise of this Warrant, the Company shall promptly (but no later than two (2) Trading Days after the Exercise Date (or three (3) Trading Days after the Exercise Date if the last of the Exercise Notice, the Exercise Price (if applicable) and the opinion of counsel referred to below in this Section 5(a) (if applicable) is delivered after 5:00 P.M., New York City time, on the Exercise Date) or as soon as reasonably practicable in the event that a certificate is requested) issue or cause to be issued and cause to be delivered to or upon the written order of the Holder and in such name or names as the Holder may designate (*provided* that, if the Registration Statement (as defined in the Purchase Agreement) is not effective and the Holder directs the Company to deliver a certificate for the Warrant Shares in a name other than that of the Holder or an Affiliate of the Holder, it shall deliver to the Company on the Exercise Date an opinion of counsel reasonably satisfactory to the Company to the effect that the issuance of such Warrant Shares in such other name may be made pursuant to an available exemption from the registration requirements of the Securities Act and all applicable state securities or blue sky

laws), (i) an electronic delivery of the Warrant Shares to the Holder's account at the Depository Trust Company ("DTC") or a similar organization, or (ii), if requested by the Holder, a certificate for the Warrant Shares issuable upon such exercise, free of restrictive legends, unless in the case of clause (i) and (ii) a registration statement covering the resale of the Warrant Shares and naming the Holder as a selling stockholder thereunder is not then effective or the Warrant Shares are not freely transferable without volume and manner of sale restrictions pursuant to Rule 144 under the Securities Act, in which case such Holder shall receive a book-entry notation for the Warrant Shares issuable upon such exercise with appropriate restrictive legends. The Holder, or any Person permissibly so designated by the Holder to receive Warrant Shares, shall be deemed to have become the holder of record of such Warrant Shares as of the Exercise Date. If the Warrant Shares are to be issued free of all restrictive legends, the Company shall, upon the written request of the Holder, use its commercially reasonable efforts to deliver, or cause to be delivered, Warrant Shares hereunder electronically through DTC or another established clearing corporation performing similar functions, if available; provided, that, the Company may, but will not be required to, change its transfer agent if its current transfer agent cannot deliver Warrant Shares electronically through such a clearing corporation.

(b) To the extent permitted by law, the Company's obligations to issue and deliver Warrant Shares in accordance with and subject to the terms hereof (including the limitations set forth in Section 12 below) are absolute and unconditional, irrespective of any action or inaction by the 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. If the Company fails for any reason to deliver to the Holder the Warrant Shares subject to a Notice of Exercise by the delivery deadline set forth in this Section 5, the Company shall pay to the Holder, in cash, as liquidated damages and not as a penalty, for each \$1,000 of Warrant Shares subject to such exercise (based on the VWAP of a share of the Common Stock on the applicable Exercise Date), \$10 per Trading Day (increasing to \$20 per Trading Day with respect to any Trading Day that is five (5) Trading Days after such liquidated damages have begun to accrue) for each Trading Day after such deadline until such Warrant Shares are delivered or Holder rescinds such exercise. Nothing herein shall limit the 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 the Warrant Shares upon exercise of the Warrant as required pursuant to the terms hereof.

(c) 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 Warrant Shares in accordance with the provisions of Section 5(a) above pursuant to an exercise on or before the deadline set forth in this Section 5, 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, Common Stock to deliver in satisfaction of a sale by the Holder of the 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 Common Stock so purchased exceeds (y) the amount obtained by multiplying (1) the number of 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 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 Common Stock that would have been issued had the Company timely complied with its exercise and delivery obligations hereunder. 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 Warrant Shares upon exercise of the Warrant as required pursuant to the terms hereof.

6. Charges, Taxes and Expenses. Issuance and delivery of the Warrant Shares upon exercise of this Warrant shall be made without charge to the Holder for any issue or transfer tax, transfer agent fee or other incidental tax or expense in respect of the issuance of the Warrant Shares, all of which taxes and expenses shall be paid by the Company; *provided, however*, that the Company shall not be required to pay any tax that may be payable in respect of any transfer involved in the registration Warrant Shares or the Warrants in a name other than that of the Holder or an Affiliate thereof. The Holder shall be responsible for all other tax liabilities that may arise as a result of holding or transferring this Warrant or receiving Warrant Shares upon exercise hereof.

7. **Replacement of Warrant.** If this Warrant is mutilated, lost, stolen or destroyed, the Company shall issue or cause to be issued in exchange and substitution for and upon cancellation hereof, or in lieu of and substitution for this Warrant, a New Warrant, but only upon receipt of evidence reasonably satisfactory to the Company of such loss, theft or destruction (in such case) and, in each case, a customary and reasonable indemnity and surety bond, if requested by the Company. Applicants for a New Warrant under such circumstances shall also comply with such other reasonable regulations and procedures and pay such other reasonable third-party costs as the Company may prescribe. If a New Warrant is requested as a result of a mutilation of this Warrant, then the Holder shall deliver such mutilated Warrant to the Company as a condition precedent to the Company's obligation to issue the New Warrant.

8. **Reservation of Warrant Shares.** The Company covenants that it will at all times reserve and keep available out of the aggregate of its authorized but unissued and otherwise unreserved Common Stock, solely for the purpose of enabling it to issue Warrant Shares upon exercise of this Warrant as herein provided, the number of Warrant Shares that are initially issuable and deliverable upon the exercise of this entire Warrant, free from preemptive rights or any other contingent purchase rights of persons other than the Holder (taking into account the adjustments and restrictions of [Section 9](#)). The Company covenants that all Warrant Shares so issuable and deliverable shall, upon issuance and the payment of the applicable Exercise Price (or upon a "cashless exercise" pursuant to [Section 10](#)) in accordance with the terms hereof, be duly and validly authorized, issued and fully paid and nonassessable. The Company will take all commercially reasonable actions as may be necessary to assure that such shares of Common Stock may be issued as provided herein without violation of any applicable law or regulation, or of any requirements of any securities exchange or automated quotation system upon which the Common Stock may be listed.

9. **Certain Adjustments.** The Exercise Price and number of Warrant Shares issuable upon exercise of this Warrant are subject to adjustment from time to time as set forth in this [Section 9](#).

(a) **Stock Dividends and Splits.** If the Company, at any time while this Warrant is outstanding, (i) pays a stock dividend on its Common Stock or otherwise makes a distribution on any class of capital stock that is payable in shares of Common Stock, (ii) subdivides its outstanding shares of Common Stock into a larger number of shares, or (iii) combines its outstanding shares of Common Stock into a smaller number of shares, then in each such case, the Exercise Price shall be multiplied 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 of Common Stock outstanding immediately after such event. Any adjustment made pursuant to clause (i) of this paragraph shall become effective immediately after the record date for the determination of stockholders entitled to receive such dividend or distribution, and any adjustment pursuant to clause (ii) or (iii) of this paragraph shall become effective immediately after the effective date of such subdivision or combination.

(b) **Pro Rata Distributions.** If the Company, at any time while this Warrant is outstanding, distributes to all holders of Common Stock for no consideration (i) evidences of its indebtedness, (ii) any security (other than a distribution of Common Stock covered by the preceding paragraph) or (iii) rights or warrants to subscribe for or purchase any security, or (iv) any other asset (in each case, "*Distributed Property*"), then, upon any exercise of this Warrant that occurs after the record date fixed for determination of stockholders entitled to receive such distribution, the Holder shall be entitled to receive, in addition to the Warrant Shares otherwise issuable upon such exercise (if applicable), the Distributed Property that such Holder would have been entitled to receive in respect of such number of Warrant Shares had the Holder been the record holder of such Warrant Shares immediately prior to such record date without regard to any limitation on exercise contained therein. Notwithstanding anything herein to the contrary, the foregoing provisions in this [Section 9\(b\)](#) shall not apply to, or be triggered by, any rights issued by the Company (either separately or that attach to any securities of the Company) in connection with any stockholders rights agreement, poison pill or other similar anti-takeover provision under the Company's certificate of incorporation, bylaws or other documents.

(c) **Fundamental Transactions.** If, at any time while this Warrant is outstanding, the Company effects a "*Fundamental Transaction*" (defined as (i) any merger or consolidation of the Company with or into another Person (ii) any sale of all or substantially all of the Company's and its subsidiaries' assets, taken as a whole, (iii) any reclassification of the Common Stock (other than a change to par value, or from par value to no par value or changes resulting from a combination or subdivision), or (iv) any statutory exchange of the outstanding shares of Common Stock, as a result of which, the holders of the Common Stock would be entitled to receive, or their Common Stock would be converted into, or exchanged for, shares, stock, other securities, or other property or assets (including cash or any combination thereof)), then, to the extent then permitted under applicable laws, rules and regulations

(including the rules of the Nasdaq Stock Market or any exchange on which the Common Stock is then listed), upon any subsequent exercise of this Warrant, the Holder shall have the right to receive, for each Warrant Share that would have been issuable upon such exercise immediately prior to the occurrence of such Fundamental Transaction, the same kind and amount of securities, cash, assets or property as it would have been entitled to receive upon the occurrence of such Fundamental Transaction if it had been, immediately prior to such Fundamental Transaction, the holder of the number of Warrant Shares then issuable upon exercise in full of this Warrant without regard to any limitations on exercise contained herein (the “*Alternate Consideration*”). The Company shall not effect any such Fundamental Transaction unless prior to or simultaneously with the consummation thereof, any successor to the Company or surviving entity shall assume the obligation to deliver to the Holder, such Alternate Consideration as, in accordance with the foregoing provisions, the Holder may be entitled to receive, and the other obligations under this Warrant. The provisions of this Section 9(c) shall similarly apply to subsequent transactions analogous of a Fundamental Transaction type.

(d) Number of Warrant Shares. Simultaneously with any adjustment to the Exercise Price pursuant to paragraph (a) of this Section 9, the number of Warrant Shares that may be purchased upon exercise of this Warrant shall be increased or decreased proportionately, so that after such adjustment the aggregate Exercise Price payable hereunder for the increased or decreased number of Warrant Shares shall be the same as the aggregate Exercise Price in effect immediately prior to such adjustment.

(e) Calculations. All calculations under this Section 9 shall be rounded down to the nearest whole cent or the nearest whole share, as applicable.

(f) Notice of Adjustments. Upon the occurrence of each adjustment pursuant to this Section 9, the Company at its expense will, at the written request of the Holder, promptly compute such adjustment, in good faith, in accordance with the terms of this Warrant and prepare a certificate setting forth such adjustment, including a statement of the adjusted Exercise Price and adjusted number or type of Warrant Shares or other securities issuable upon exercise of this Warrant (as applicable), describing the transactions giving rise to such adjustments and showing in detail the facts upon which such adjustment is based. Upon written request, the Company will promptly deliver a copy of each such certificate to the Holder and to the Company’s transfer agent.

(g) Notice of Corporate Events. If, while this Warrant is outstanding, the Company (i) declares a dividend or any other distribution of cash, securities or other property in respect of its Common Stock, including, without limitation, any granting of rights or warrants to subscribe for or purchase any capital stock of the Company, (ii) enters into any agreement contemplating or solicits stockholder approval for any Fundamental Transaction or (iii) authorizes the voluntary dissolution, liquidation or winding up of the affairs of the Company, then, except if such notice and the contents thereof shall be deemed to constitute material non-public information, the Company shall deliver to the Holder a notice of such transaction at least three (3) Trading Days prior to the applicable record or effective date on which a Person would need to hold Common Stock in order to participate in or vote with respect to such transaction; *provided, however*, that the failure to deliver such notice or any defect therein shall not affect the validity of the corporate action required to be described in such notice. To the extent that any notice provided hereunder constitutes, or contains, material, non-public information regarding the Company or any of its subsidiaries, the Company shall simultaneously file such notice with the Commission (as defined in the Purchase Agreement) pursuant to a Current Report on Form 8-K.

10. Payment of Exercise Price. The Holder shall pay the Exercise Price in immediately available funds by wire transfer to an account designated by the Company; provided, however, that the Holder may, in its sole discretion, satisfy its obligation to pay the Exercise Price at such time through a “cashless exercise”, in which event the Company shall issue to the Holder the number of Warrant Shares equal to the quotient obtained by dividing [(A-B) (X)] by (A), where:

- (A) = the last reported closing sale price per share of Common Stock on the Trading Market on the Trading Day immediately preceding the Exercise Date;
- (B) = the Exercise Price of this Warrant, as adjusted hereunder; and
- (X) = the number of Warrant Shares that would be issuable upon exercise of this Warrant in accordance with the terms of this Warrant if such exercise were by means of a cash exercise rather than a cashless exercise.

For purposes of this Warrant:

“VWAP” 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 a share of 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)), or (b) if the Common Stock is not then listed on any Trading Market, the fair market value of a share of Common Stock as determined by an independent appraiser selected in good faith by the Holders of a majority in interest of the Warrants then outstanding and reasonably acceptable to the Company, the fees and expenses of which shall be paid by the Company.

If Warrant Shares are issued in such a cashless exercise, the parties acknowledge and agree that in accordance with Section 3(a)(9) of the Securities Act, and the holding period of the Warrant Shares being issued may be tacked on to the holding period of this Warrant, the Warrant Shares shall take on the characteristics of the Warrants being exercised. The Company agrees not to take any position to the contrary.

11. Company-Elected Conversion. The Company shall provide to the Holder prompt written notice if after the Original Issue Date the Company is unable to issue the Warrant Shares without restrictive legend, because the Commission has issued a stop order with respect to, or the Commission or Company has otherwise suspended or withdrawn, a Registration Statement covering the resale of the Warrant Shares, either temporarily or permanently, or otherwise (each a “*Restrictive Legend Event*”). To the extent that (A) a Restrictive Legend Event occurs, (B) at such time the Warrant Shares would be saleable under Rule 144 without compliance with the manner of sale or volume restrictions, (C) the Company has delivered the notice described in the immediately preceding sentence, and (D) the Holder attempts to exercise the Warrant after receipt of such notice by paying cash, the Company shall (i) if the Fair Market Value (as calculated above) of the Warrant Shares is greater than the Exercise Price, provide written notice to the Holder that the Company will deliver that number of Warrant Shares to the Holder as should be delivered in a cashless exercise in accordance with Section 10, and return to the Holder all consideration paid to the Company in connection with the Holder’s attempted exercise of this Warrant (a “*Company-Elected Conversion*”), or (ii) at the election of the Holder to be given within five (5) days of receipt of notice of a Company-Elected Conversion, the Holder shall be entitled to rescind the previously submitted Exercise Notice and the Company shall return all consideration paid by Holder for such Warrant Shares upon such rescission.

12. Limitations on Exercise. Notwithstanding anything to the contrary contained herein, the number of Warrant Shares that may be acquired by the Holder upon any exercise of this Warrant (or otherwise in respect hereof) shall be limited to the extent necessary to ensure that, following such exercise (or other issuance), the total number of shares of Common Stock then beneficially owned by the Holder and its Affiliates and any other Persons whose beneficial ownership of Common Stock would be aggregated with the Holder’s for purposes of Section 13(d) of the Exchange Act, does not exceed 9.9% (the “*Maximum Percentage*”) of the total number of then issued and outstanding shares of Common Stock (including for such purpose the shares of Common Stock issuable upon such exercise). For purposes of the foregoing sentence, the aggregate number of shares of Common Stock beneficially owned by the Holder and its Affiliates shall include the number of shares of Common Stock issuable upon exercise of this Warrant with respect to which the determination of such sentence is being made, but shall exclude shares of Common Stock which would be issuable upon (i) exercise of the remaining, unexercised portion of this Warrant beneficially owned by such Person and its Affiliates and (ii) exercise or conversion of the unexercised or unconverted portion of any other securities of the Company beneficially owned by the Holder and its Affiliates (including, without limitation, any convertible notes or convertible preferred stock or warrants) subject to a limitation on conversion or exercise analogous to the limitation contained herein; provided that in no event shall the aggregate number of shares beneficially owned by the Holder and its Affiliates, calculated in accordance with Section 13(d) of the Exchange Act, exceed 9.9%. Except as set forth in the preceding sentence (other than the proviso thereto), for purposes of this paragraph (including the proviso in the immediately preceding sentence), beneficial ownership shall be calculated in accordance with Section 13(d) of the Exchange Act; it being acknowledged by the Holder that the Company is not representing to such Holder that such calculation is in compliance with Section 13(d) of the Exchange Act and such Holder is solely responsible for any schedules required to be filed in accordance therewith. To the extent that the limitation contained in this Section 12 applies, the determination of whether this Warrant is exercisable (in relation to other securities owned by such Holder) and of which a portion of this Warrant is exercisable shall be in the sole discretion of a Holder, and the submission of a

Notice of Exercise shall be deemed to be the Holder's determination of whether this Warrant is exercisable (in relation to other securities owned by such Holder) and of which portion of this Warrant is exercisable, in each case subject to such aggregate percentage limitation, and the Company 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 12, in determining the number of outstanding shares of Common Stock, the Holder may rely on the number of outstanding shares of Common Stock as reflected in (x) the Company's most recent Form 10-Q or Form 10-K, as the case may be, (y) a more recent public announcement by the Company or (z) any other notice by the Company or the Transfer Agent setting forth the number of shares of Common Stock outstanding. Upon the written request of the Holder, the Company shall within three (3) Trading Days confirm in writing to such Holder the number of shares of Common Stock then outstanding. In any case, the number of outstanding shares Common Stock shall be determined after giving effect to the conversion or exercise of securities of the Company, including the Warrants, by the Holder and its Affiliates since the date as of which such number of outstanding shares of Common Stock was reported. By written notice to the Company, the Holder may from time to time increase or decrease the Maximum Percentage to any other percentage not in excess of 9.9% specified in such notice; provided, that (i) any such increase will not be effective until the sixty-first (61st) day after such notice is delivered to the Company, and (ii) any such increase or decrease will apply only to the Holder and not to any other holder of Warrants. The provisions of this paragraph shall not apply to the Holder if the aggregate number of shares beneficially owned by the Holder and its Affiliates, calculated in accordance with Section 13(d) of the Exchange Act, exceed 9.9% immediately prior to the Closing. The provisions of this paragraph shall be construed and implemented in a manner otherwise than in strict conformity with the terms of this Section 12 to correct this paragraph (or any portion hereof) which may be defective or inconsistent with the intended beneficial ownership limitation herein contained or to make changes or supplements necessary or desirable to properly give effect to such limitation.

13. No Fractional Shares. No fractional Warrant Shares will be issued in connection with any exercise of this Warrant. In lieu of any fractional shares that would otherwise be issuable, the number of Warrant Shares to be issued shall be rounded down to the next whole number and the Company shall pay the Holder in cash the fair market value (based on the Closing Sale Price) for any such fractional shares.

14. Notices. Any and all notices or other communications or deliveries hereunder (including, without limitation, any Exercise Notice) shall be in writing and shall be deemed given and effective on the earliest of (i) the date of transmission, if such notice or communication is delivered via email at the email address specified in the Purchase Agreement prior to 5:30 P.M., New York City time, on a Trading Day, (ii) the next Trading Day after the date of transmission, if such notice or communication is delivered via email at the email address specified in the Purchase Agreement on a day that is not a Trading Day or later than 5:30 P.M., New York City time, on any Trading Day, (iii) the Trading Day following the date of mailing, if sent by nationally recognized overnight courier service specifying next business day delivery, and (iv) upon actual receipt by the Person to whom such notice is required to be given, if by hand delivery. The address and email address of a Person for such notices or communications shall be as set forth in the Purchase Agreement unless changed by such Person by two (2) Trading Days' prior written notice to the other Persons in accordance with this Section 14.

15. Warrant Agent. The Company shall serve as warrant agent under this Warrant. Upon notice to the Holder, the Company may appoint a new warrant agent. Any corporation into which the Company or any new warrant agent may be merged or any corporation resulting from any consolidation to which the Company or any new warrant agent shall be a party or any corporation to which the Company or any new warrant agent transfers substantially all of its corporate trust or stockholders services business shall be a successor warrant agent under this Warrant without any further act. Any such successor warrant agent shall promptly cause notice of its succession as warrant agent to be mailed (by first class mail, postage prepaid) to the Holder at the Holder's last address as shown on the Warrant Register.

16. Miscellaneous.

(a) No Rights as a Stockholder. The Holder, solely in such Person's capacity as a holder of this Warrant, 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 be construed to confer upon the Holder, solely in such Person's capacity as the Holder of this Warrant, any of the rights of a stockholder of the Company or any right to vote, give or withhold consent to any corporate action (whether any reorganization, issue of stock, reclassification of stock, consolidation,

merger, amalgamation, conveyance or otherwise), receive notice of meetings, receive dividends or subscription rights, or otherwise, prior to the issuance to the Holder of the Warrant Shares which such Person is then entitled to receive upon the due exercise of this Warrant. In addition, nothing contained in this Warrant shall be construed as imposing any liabilities on the Holder to purchase any securities (except upon exercise of this Warrant or otherwise) or as a stockholder of the Company, whether such liabilities are asserted by the Company or by creditors of the Company.

(b) No Avoidance. Except and to the extent as waived or consented to by the Holder, the Company shall not by any action, including, without limitation, amending its certificate or articles 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 Holder as set forth in this Warrant against impairment. Without limiting the generality of the foregoing, the Company will (a) not increase the par value of any Warrant Shares above the amount payable therefor upon such exercise immediately prior to such increase in par value, (b) take all such action as may be necessary or appropriate in order that the Company may validly and legally issue fully paid and nonassessable Warrant Shares upon the exercise of this Warrant, and (c) 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.

(c) Successors and Assigns. Subject to the restrictions on transfer set forth in this Warrant and in Section 4.1 of the Purchase Agreement, and compliance with applicable securities laws, this Warrant may be assigned by the Holder. This Warrant may not be assigned by the Company without the written consent of the Holder except to a successor in the event of a Fundamental Transaction. This Warrant shall be binding on and inure to the benefit of the Company and the Holder and their respective successors and permitted assigns. Subject to the preceding sentence, nothing in this Warrant shall be construed to give to any Person other than the Company and the Holder any legal or equitable right, remedy or cause of action under this Warrant. This Warrant may be amended only in writing signed by the Company and the Holder, or their successors and assigns.

(d) Authorized Shares. The Company covenants that, during the period the Warrant is outstanding, it will reserve from its authorized and unissued Common Stock a sufficient number of shares to provide for the issuance of the Warrant Shares upon the exercise of any purchase rights under this Warrant. 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 Warrant Shares upon the exercise of the purchase rights under this Warrant. The Company will take all such reasonable action as may be necessary to assure that such Warrant Shares 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 Warrant Shares which may be issued upon the exercise of the purchase rights represented by this Warrant will, upon exercise of the purchase rights represented by this Warrant and payment for such 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).

(e) Amendment and Waiver. Except as otherwise provided herein and subject to the restrictions set forth in the last sentence of Section 6.4 of the Purchase Agreement, the provisions of the Warrants may be amended and the Company may take any action herein prohibited, or omit to perform any act herein required to be performed by it, only if the Company has obtained the written consent of the Holders of Warrants representing no less than a majority of the Warrant Shares obtainable upon exercise of the Warrants then outstanding.

(f) Acceptance. Receipt of this Warrant by the Holder shall constitute acceptance of and agreement to all of the terms and conditions contained herein.

(g) Governing Law; Jurisdiction. All questions concerning the construction, validity, enforcement and interpretation of this warrant shall be governed by and construed and enforced in accordance with the laws of the state of New York, without regard to the principles of conflicts of law thereof. Each of the Company and the Holder hereby irrevocably submits to the exclusive jurisdiction of the state and federal courts sitting in the City and County of New York 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 suit, action or proceeding, any claim that it is not personally subject to the jurisdiction of any such courts. Each of the Company and the Holder hereby 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 person at the address in effect for notices to it under the purchase 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 manner permitted by law. Each of the Company and the Holder hereby waives all rights to a trial by jury.

(h) Headings. The headings herein are for convenience only, do not constitute a part of this Warrant and shall not be deemed to limit or affect any of the provisions hereof.

(i) Severability. In case any one or more of the provisions of this Warrant shall be invalid or unenforceable in any respect, the validity and enforceability of the remaining terms and provisions of this Warrant shall not in any way be affected or impaired thereby, and the Company and the Holder will attempt in good faith to agree upon a valid and enforceable provision which shall be a commercially reasonable substitute therefor, and upon so agreeing, shall incorporate such substitute provision in this Warrant.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

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

PROGENITY, INC.

By: _____

Name:

Title:

SCHEDULE 1

FORM OF EXERCISE NOTICE

[To be executed by the Holder to purchase shares of Common Stock under the Warrant]

Ladies and Gentlemen:

(1) The undersigned is the Holder of Warrant No. _____ (the "Warrant") issued by Progenity, Inc., a Delaware corporation (the "Company"). Capitalized terms used herein and not otherwise defined herein have the respective meanings set forth in the Warrant.

(2) The undersigned hereby exercises its right to purchase _____ Warrant Shares pursuant to the Warrant.

(3) The Holder intends that payment of the Exercise Price shall be made as (check one):

- Cash Exercise
- "Cashless Exercise"

(4) If the Holder has elected a Cash Exercise, the Holder shall pay the sum of \$_____ in immediately available funds to the Company in accordance with the terms of the Warrant.

(5) Pursuant to this Exercise Notice, the Company shall deliver to the Holder Warrant Shares determined in accordance with the terms of the Warrant.

(6) By its delivery of this Exercise Notice, the undersigned represents and warrants to the Company that in giving effect to the exercise evidenced hereby the Holder will not beneficially own in excess of the number of shares of Common Stock (as determined in accordance with Section 13(d) of the Securities Exchange Act of 1934) permitted to be owned under Section 12 of the Warrant to which this notice relates.

(7) By its delivery of this Exercise Notice and pursuant to Section 4(b) of the Warrant, the undersigned certifies to the Company that its representations contained in Sections 3.2(b), (c) and (d) of the Purchase Agreement are true and correct as of the date hereof as if remade in their entirety (or, in the case of any transferee Holder that is not a party to the Purchase Agreement, such transferee Holder's certification to the Company that such representations are true and correct as to such transferee Holder as of the date hereof).

Dated: _____

Name of Holder: _____

By: _____

Name: _____

Title: _____

(Signature must conform in all respects to name of Holder as specified on the face of the Warrant)

SCHEDULE 2
FORM OF ASSIGNMENT

[To be completed and executed by the Holder only upon transfer of the Warrant]

FOR VALUE RECEIVED, the undersigned hereby sells, assigns and transfers unto (the “*Transferee*”) the right represented by the within Warrant to purchase shares of Common Stock of Progenity, Inc. (the “*Company*”) to which the within Warrant relates and appoints attorney to transfer said right on the books of the Company with full power of substitution in the premises. In connection therewith, the undersigned represents, warrants, covenants and agrees to and with the Company that:

- (a) the offer and sale of the Warrant contemplated hereby is being made in compliance with Section 4(a)(2) of the United States Securities Act of 1933, as amended (the “*Securities Act*”) or another valid exemption from the registration requirements of Section 5 of the Securities Act and in compliance with all applicable securities laws of the states of the United States;
- (b) the undersigned has not offered to sell the Warrant by any form of general solicitation or general advertising, including, but not limited to, any advertisement, article, notice or other communication published in any newspaper, magazine or similar media or broadcast over television or radio, and any seminar or meeting whose attendees have been invited by any general solicitation or general advertising;
- (c) the undersigned has read the Transferee’s investment letter included herewith, and to its actual knowledge, the statements made therein are true and correct; and
- (d) the undersigned understands that the Company may condition the transfer of the Warrant contemplated hereby upon the delivery to the Company by the undersigned or the Transferee, as the case may be, of a written opinion of counsel (which opinion shall be in form, substance and scope customary for opinions of counsel in comparable transactions) to the effect that such transfer may be made without registration under the Securities Act and under applicable securities laws of the states of the United States.

Dated: _____

(Signature must conform in all respects to name of holder as specified on the face of the Warrant)

Address of Transferee

In the presence of:

SECURITIES PURCHASE AGREEMENT

This Securities Purchase Agreement (this “*Agreement*”) is dated as of June 9, 2021, by and among Progenity, Inc., a Delaware corporation (the “*Company*”), and each purchaser identified on the signature pages hereto (each, including its successors and permitted assigns, a “*Purchaser*” and collectively, the “*Purchasers*”).

RECITALS

A. The Company and each Purchaser are executing and delivering this Agreement in reliance upon the exemption from securities registration afforded by Section 4(a)(2) of the Securities Act of 1933, as amended (the “*Securities Act*”), and Rule 506 of Regulation D (“*Regulation D*”) as promulgated by the United States Securities and Exchange Commission (the “*Commission*”) under the Securities Act.

B. Each Purchaser, severally and not jointly, wishes to purchase, and the Company wishes to sell, upon the terms and conditions stated in this Agreement, 16,194,332 units composed of (i) that aggregate number of shares of common stock, par value \$0.001 per share (the “*Common Stock*”), of the Company, set forth below such Purchaser’s name on the signature page of this Agreement (which aggregate amount for all Purchasers together shall be 15,694,332 shares of Common Stock and shall be collectively referred to herein as the “*Shares*”), (ii) if applicable, pre-funded warrants, in substantially the form attached hereto as Exhibit A-1 (the “*Pre-Funded Warrants*”) to acquire that number of Shares set forth below such Purchaser’s name on the signature page of this Agreement (which aggregate amount for all Purchasers together shall be 500,000 Shares and shall be collectively referred to herein as the “*Pre-Funded Warrant Shares*”), and (iii) warrants, in substantially the form attached hereto as Exhibit A-2 (the “*Warrants*”), to acquire up to that number of additional shares of Common Stock equal to 100% of the number of Shares and Pre-Funded Warrant Shares purchased by such Purchaser (rounded down to the nearest whole share). The shares of Common Stock issuable upon exercise of or otherwise pursuant to the Warrants and the Pre-Funded Warrants are collectively referred to herein as the “*Warrant Shares*.”

C. The Shares, the Warrants and the Warrant Shares collectively are referred to herein as the “*Securities*.”

D. The Company has engaged Piper Sandler & Co. and Raymond James & Associates, Inc. as its placement agents (the “*Placement Agents*”) for the offering of the Shares and the Warrants on a “best efforts” basis.

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 the Purchasers hereby agree as follows:

ARTICLE I.
DEFINITIONS

1.1 Definitions. In addition to the terms defined elsewhere in this Agreement, for all purposes of this Agreement, the following terms shall have the meanings indicated in this Section 1.1:

“*2018 Plan*” has the meaning set forth in Section 3.1(g).

“*Acquiring Person*” has the meaning set forth in Section 4.6.

“*Action*” has the meaning set forth in Section 3.1(l).

“*Affiliate*” means, with respect to any Person, any other Person that, directly or indirectly through one or more intermediaries, Controls, is controlled by or is under common control with such Person, as such terms are used in and construed under Rule 405 under the Securities Act. With respect to a Purchaser, any investment fund or managed account that is managed on a discretionary basis by the same investment manager as such Purchaser will be deemed to be an Affiliate of such Purchaser.

“*Aggregate Purchase Price*” means the Subscription Amount to be paid by each Purchaser.

“*Agreement*” has the meaning set forth in the Preamble.

“*Allowable Grace Period*” has the meaning set forth in Section 4.13(d)(vii).

“*Board of Directors*” means the board of directors of the Company.

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

“*Closing*” means the closing of the purchase and sale of the Shares and the Warrants pursuant to this Agreement.

“*Closing Date*” means the Trading Day when all of the Transaction Documents have been executed and delivered by the applicable parties thereto, and all of the conditions set forth in Sections 2.1, 2.2, 5.1 and 5.2 hereof are satisfied or waived, as the case may be, or such other date as the parties may agree.

“*Commission*” has the meaning set forth in the Recitals.

“*Common Stock*” has the meaning set forth in the Recitals, and also includes any other class of securities into which the Common Stock may hereafter be reclassified or changed into.

“*Common Stock Equivalents*” means any securities of the Company or any Subsidiary 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 exchangeable for, or otherwise entitles the holder thereof to receive, Common Stock or other securities that entitle the holder to receive, directly or indirectly, Common Stock.

“*Company*” has the meaning set forth in the Preamble.

“*Company Counsel*” means Gibson, Dunn & Crutcher LLP.

“*Control*” (including the terms “controlling,” “controlled by” or “under common control with”) means the possession, direct or indirect, of the power to direct or cause the direction of the management and policies of a Person, whether through the ownership of voting securities, by contract or otherwise.

“*Covered Persons*” has the meaning set forth in Section 3.1(ss).

“*Disclosure Schedules*” means the Disclosure Schedules of the Company delivered concurrently herewith.

“*Disqualification Events*” has the meaning set forth in Section 3.1(ss).

“*DTC*” has the meaning set forth in Section 4.1(c).

“*Effective Date*” means the earliest of the date that (a) all of the Shares and Warrant Shares are covered by an effective Registration Statement, (b) all of the Shares and Warrant Shares have been sold pursuant to Rule 144 or may be sold pursuant to Rule 144 without the requirement for the Company to be in compliance with the current public information required under Rule 144 and without volume or manner-of-sale restrictions, (c) is the one year anniversary of the Closing Date; provided, that a holder of Shares or Warrant Shares is not an Affiliate of the Company, or (d) all of the Shares and Warrant Shares may be sold pursuant to an exemption from registration under Section 4(a)(1) of the Securities Act without volume or manner-of-sale restrictions and Company Counsel has delivered to such holders a standing written unqualified opinion that resales may then be made by such holders of the Shares and Warrant Shares pursuant to such exemption which opinion shall be in form and substance reasonably acceptable to such holders.

“*Effectiveness Deadline*” has the meaning set forth in [Section 4.13\(a\)](#).

“*Effectiveness Failure*” has the meaning set forth in [Section 4.13\(c\)](#).

“*Environmental Laws*” has the meaning set forth in [Section 3.1\(dd\)](#).

“*Exchange Act*” means the Securities Exchange Act of 1934, as amended, or any successor statute, and the rules and regulations promulgated thereunder.

“*Exchange Rules*” has the meaning set forth in [Section 3.1\(s\)](#).

“*Existing Investors*” has the meaning set forth in [Section 3.2\(o\)](#).

“*Filing Deadline*” has the meaning set forth in [Section 4.13\(a\)](#).

“*Filing Failure*” has the meaning set forth in [Section 4.13\(c\)](#).

“*GAAP*” means U.S. generally accepted accounting principles, as applied by the Company.

“*Grace Period*” has the meaning set forth in [Section 4.13\(d\)\(vii\)](#).

“*Health Care Laws*” has the meaning set forth in [Section 3.1\(ll\)](#).

“*HIPAA*” has the meaning set forth in [Section 3.1\(ll\)](#).

“*Inspectors*” has the meaning set forth in [Section 4.13\(d\)\(vii\)](#).

“*Intellectual Property*” has the meaning set forth in [Section 3.1\(p\)](#).

“*Investment Company Act*” has the meaning set forth in [Section 3.1\(w\)](#).

“*Irrevocable Transfer Agent Instructions*” has the meaning set forth in [Section 4.1\(d\)](#).

“*Legend Removal Date*” has the meaning set forth in [Section 4.1\(c\)](#).

“*Lock-Up Agreement*” has the meaning set forth in [Section 2.2\(a\)\(v\)](#).

“*Maintenance Failure*” has the meaning set forth in [Section 4.13\(c\)](#).

“*Managed Practice*” means Mattison Pathology, LLP d/b/a Avero Diagnostics.

“*Material Adverse Effect*” has the meaning set forth in [Section 3.1\(b\)](#).

“*Net Short Sale*” has the meaning set forth in [Section 4.11](#).

“*New York Courts*” means the state and federal courts sitting in the City of New York, Borough of Manhattan.

“*OFAC*” has the meaning set forth in [Section 3.1\(kk\)](#).

“*Off-Balance Sheet Transaction*” has the meaning set forth in [Section 3.1\(gg\)](#).

“*Outside Date*” means the thirtieth day following the date of this Agreement.

“*Permits*” has the meaning set forth in [Section 3.1\(n\)](#).

“*Person*” means an individual, corporation, partnership, limited liability company, trust, business trust, association, joint stock company, joint venture, sole proprietorship, unincorporated organization, governmental authority or any other form of entity not specifically listed herein.

“*Placement Agents*” has the meaning set forth in the Recitals.

“*Plans*” has the meaning set forth in [Section 3.1\(g\)](#).

“*Press Release*” has the meaning set forth in [Section 4.5](#).

“*Principal Trading Market*” means the Trading Market on which the Common Stock is primarily listed on and quoted for trading, which, as of the date of this Agreement and the Closing Date, shall be the Nasdaq Global Market.

“*Pro Rata Interest*” means the number of Shares and Warrant Shares underlying the Warrants purchased by each Purchaser, relative to the total number of Shares and Warrant Shares underlying the Warrants being sold hereunder.

“*Proceeding*” means an action, claim, suit, investigation or proceeding (including, without limitation, an investigation or partial proceeding, such as a deposition), whether commenced or threatened.

“*Programs*” has the meaning set forth in [Section 3.1\(ll\)](#).

“*Purchaser*” or “*Purchasers*” has the meaning set forth in the Preamble.

“*Purchaser Deliverables*” has the meaning set forth in [Section 2.2\(b\)](#).

“*Records*” has the meaning set forth in [Section 4.13\(d\)\(vii\)](#).

“*Registrable Securities*” has the meaning set forth in [Section 4.13\(a\)](#).

“*Registration Delay Payments*” has the meaning set forth in [Section 4.13\(c\)](#).

“*Registration Statement*” a registration statement or registration statements of the Company filed under the Securities Act pursuant to [Section 4.13](#) hereof.

“*Regulation D*” has the meaning set forth in the Recitals.

“*Regulation S-X*” has the meaning set forth in [Section 3.1\(i\)](#).

“*Reporting Period*” means the period commencing on the Closing Date and ending on the earliest of: (i) the date as of which the Purchasers may sell all of the Shares under Rule 144 without volume or manner-of-sale restrictions and without the requirement for the Company to be in compliance with the current public information requirements under Rule 144(c)(1) (or any successor thereto) promulgated under the Securities Act; (ii) the second anniversary of the Closing Date, or (iii) the date on which such Purchaser shall have sold all of the Shares pursuant to a Registration Statement.

“*Required Approvals*” has the meaning set forth in [Section 3.1\(e\)](#).

“*Rule 144*” means Rule 144 promulgated by the Commission pursuant to the Securities Act, as such Rule may be amended from time to time, or any similar rule or regulation hereafter adopted by the Commission having substantially the same effect as such Rule.

“*Sanctions*” has the meaning set forth in [Section 3.1\(kk\)](#).

“*Sarbanes-Oxley Act*” has the meaning set forth in [Section 3.1\(s\)](#).

“*SEC Reports*” has the meaning set forth in [Section 3.1\(h\)](#).

“*Securities*” has the meaning set forth in the Recitals.

“*Securities Act*” has the meaning set forth in the Recitals.

“*Shares*” has the meaning set forth in the Recitals.

“*Short Sales*” include, without limitation, (i) all “short sales” as defined in Rule 200 promulgated under Regulation SHO under the Exchange Act, whether or not against the box, and all types of direct and indirect stock pledges, forward sale contracts, options, puts, calls, short sales, swaps, “put equivalent positions” (as defined in Rule 16a-1(h) under the Exchange Act) and similar arrangements (including on a total return basis), and (ii) sales and other transactions through non-U.S. broker dealers or foreign regulated brokers (but shall not be deemed to include the location and/or reservation of borrowable shares of Common Stock).

“*Solicitor*” has the meaning set forth in [Section 3.1\(ss\)](#).

“*Staff*” means the staff of the Commission.

“*Subscription Amount*” means, with respect to each Purchaser, the aggregate amount to be paid for the Shares and the Warrants purchased hereunder as indicated on such Purchaser’s signature page to this Agreement next to the heading “Subscription Amount” in United States dollars and in immediately available funds.

“*Subsidiaries*” means the consolidated subsidiaries of the Company.

“*Threshold Amount*” means beneficial ownership of shares of Common Stock in excess of 19.99% of the outstanding shares of Common Stock or the voting power of the Company

“*Trading Affiliate*” has the meaning set forth in [Section 3.2\(i\)](#).

“*Trading Day*” means (i) a day on which the Common Stock is listed or quoted and traded on its Principal Trading Market (other than the OTC Bulletin Board), or (ii) if the Common Stock is not listed on a Trading Market (other than the OTC Bulletin Board), a day on which the Common Stock is traded in the over-the-counter market, as reported by the OTC Bulletin Board, or (iii) if the Common Stock is not quoted on any Trading Market, a day on which the Common Stock is quoted in the over-the-counter market as reported in the “pink sheets” by Pink Sheets LLC (or any similar organization or agency succeeding to its functions of reporting prices); *provided*, that in the event that the Common Stock is not listed or quoted as set forth in (i), (ii) and (iii) hereof, then Trading Day shall mean a Business Day.

“*Trading Market*” means whichever of the New York Stock Exchange, the NYSE MKT, the Nasdaq Global Select Market, the Nasdaq Global Market, the Nasdaq Capital Market or the OTC Bulletin Board on which the Common Stock is listed or quoted for trading on the date in question.

“*Transaction Documents*” means this Agreement, the schedules and exhibits attached hereto, the Warrants and any other documents or agreements explicitly contemplated hereunder.

“*Transfer Agent*” means American Stock Transfer & Trust Company, LLC, the current transfer agent of the Company, with a mailing address of 6201 15th Avenue, Brooklyn, New York, 11219, or any successor transfer agent for the Company.

“*Treasury*” has the meaning set forth in [Section 3.2\(q\)](#).

“*Unit Purchase Price*” means \$2.47 per unit, which unit shall consist of one Share (or one Pre-Funded Warrant in lieu thereof) and one Warrant.

“*Warrant Shares*” has the meaning set forth in the Recitals.

“*Warrants*” has the meaning set forth in the Recitals to this Agreement.

“*XBRL*” has the meaning set forth in [Section 3.1\(i\)](#).

ARTICLE II. PURCHASE AND SALE

2.1 Closing.

(a) Amount. Subject to the terms and conditions set forth in this Agreement, at the Closing, the Company shall issue and sell to each Purchaser, and each Purchaser shall, severally and not jointly, purchase from the Company such number of shares of Common Stock equal to the quotient resulting from dividing (1) the Subscription Amount for such Purchaser by (2) the Unit Purchase Price, rounded down to the nearest whole Share; in addition, each Purchaser shall receive a Warrant to purchase a number of Warrant Shares equal to 100% of the number of shares of Common Stock purchased by such Purchaser, as indicated below such Purchaser’s name on the signature page to this Agreement; provided, however, that, to the extent that a Purchaser determines, in its sole discretion, that such Purchaser (together with such Purchaser’s Affiliates, and any Person acting as a group together with such purchaser or any of such Holder’s Affiliates) would beneficially own in excess of the Beneficial Ownership Limitation, or as such Purchaser may otherwise choose, in lieu of purchasing Shares such Purchaser may elect to purchase Pre-Funded Warrants in lieu of Shares in such manner to result in the same aggregate purchase price being paid by such Purchaser to the Company. The “Beneficial Ownership Limitation” shall be 4.99% (or, at the election of the Purchaser at Closing, 9.99%) of the number of shares of the Common Stock outstanding immediately after giving effect to the issuance of the Securities on the Closing Date. The Warrants shall have an exercise price equal to \$2.84 per Warrant Share.

(b) Closing. The Closing of the purchase and sale of the Shares and/or Pre-Funded Warrants and Warrants shall take place remotely by electronic means on the Closing Date or at such other locations or means as the parties may mutually agree.

(c) Form of Payment; Delivery of the Shares and Warrants. At or prior to the Closing Date, each Purchaser will pay its Subscription Amount by wire transfer of immediately available funds in accordance with wire instructions provided by the Company to the Purchasers prior to the Closing Date. On or before the Closing Date, the Company will instruct its transfer agent to make book-entry notations representing the Shares against delivery of its Subscription Amount. The foregoing notwithstanding, if the Purchaser has indicated to the Company at the time of execution of this Agreement a need to settle on a “delivery versus payment” basis, then the Company shall make a book-entry notation reflecting ownership of the Shares whereupon following receipt of such written confirmation from the Company’s transfer agent that a book-entry notation has been made, then the Purchaser shall then promptly wire its Subscription Amount as provided in this Article II. The Company shall deliver to each Purchaser one or more Pre-Funded Warrants (if applicable) and one or more Warrants, in each case, in physical form, free and clear of all restrictive and other legends (except as expressly provided in Section 4.1(b) hereof or in Exhibit A-1 or Exhibit A-2, respectively), evidencing the number of Pre-Funded Warrants or Warrants, respectively, such Purchaser is purchasing as is set forth on such Purchaser’s signature page to this Agreement within three (3) Trading Days after the Closing.

2.2 Closing Deliveries.

(a) On or prior to the Closing, the Company shall issue, deliver or cause to be delivered to each Purchaser the following (the “*Company Deliverables*”):

(i) this Agreement, duly executed by the Company;

(ii) PDF copies of the Warrants, executed by the Company and registered in the name of such Purchaser as set forth on the signature pages hereto, pursuant to which such Purchaser shall have the right to acquire such number of Warrant Shares equal to 100% of the number of Shares issuable to such Purchaser, rounded down to the nearest whole share, on the terms set forth therein, with the original Warrants delivered within five (5) Trading Days of Closing;

(iii) for each Purchaser of Prefunded Warrants pursuant to Section 2.1, PDF copies of the Pre-Funded Warrants, executed by the Company and registered in the name of such Purchaser as set forth on the signature pages hereto, on the terms set forth therein, with the original Pre-Funded Warrants delivered within five (5) Trading Days of Closing;

(iv) a legal opinion of Company Counsel, dated as of the Closing Date, executed by such counsel and addressed to the Purchasers and the Placement Agents, in form and substance reasonably satisfactory to the Purchasers and Placement Agents;

(v) duly executed Irrevocable Transfer Agent Instructions instructing the Transfer Agent to deliver a book-entry statement evidencing the number of Shares equal to such Purchaser’s shares of Common Stock set forth below such Purchaser’s name on the signature page of this Agreement registered in the name of such Purchaser; and

(vi) a Lock-Up Agreement, substantially in the form of Exhibit C hereto (the “*Lock-Up Agreement*”) executed by each person listed on Exhibit D hereto, and each such Lock-Up Agreement shall be in full force and effect on the Closing Date.

(b) On or prior to the Closing, each Purchaser shall deliver or cause to be delivered to the Company the following (the “*Purchaser Deliverables*”):

(i) this Agreement, duly executed by such Purchaser; and

(ii) its Subscription Amount in accordance with Section 2.1(c).

ARTICLE III.
REPRESENTATIONS AND WARRANTIES

3.1 Representations and Warranties of the Company. Except as disclosed in the SEC Reports and as set forth in the Disclosure Schedules, which Disclosure Schedules shall be deemed a part hereof and shall qualify any representation or otherwise made herein to the extent of the disclosure contained in the corresponding section of the Disclosure Schedules, the Company hereby represents and warrants as of the date hereof and the Closing Date (except for the representations and warranties that speak as of a specific date, which shall be made as of such date), to each of the Purchasers and to the Placement Agents:

(a) Subsidiaries. The Company does not own or control, directly or indirectly, any corporation, association or other entity other than the subsidiaries listed in Exhibit 21.1 to the Company's Annual Report on Form 10-K filed on March 18, 2021 except for subsidiaries that in the aggregate would not constitute a "significant subsidiary" (as defined in Rule 405 under the Securities Act).

(b) Organization and Qualification. The Company and each of its Subsidiaries have been duly organized, are validly existing as corporations or limited liability entities and are in good standing under the laws of their respective jurisdictions of organization, except where the failure to be so duly organized, validly existing and in good standing would not reasonably be expected to have a Material Adverse Effect. The Company and each of its Subsidiaries are, and will be, duly licensed or qualified as a foreign corporation for the transaction of business and in good standing under the laws of each other jurisdiction in which their respective ownership or lease of property or the conduct of their respective businesses requires such license or qualification, and have all corporate power and authority necessary to own or hold their respective properties and to conduct their respective businesses as described in the SEC Reports, except where the failure to be so qualified or in good standing or have such power or authority would not, individually or in the aggregate, have a material adverse effect or would reasonably be expected to have a material adverse effect on or affecting the assets, business, operations, earnings, properties, condition (financial or otherwise), prospects, stockholders' equity or results of operations of the Company and the Subsidiaries taken as a whole, or prevent or materially interfere with the consummation of the transactions contemplated hereby (a "Material Adverse Effect"); *provided, however*, that any of the following, either alone or in combination, shall not be deemed a Material Adverse Effect: (i) effects caused by changes or circumstances affecting general market conditions in the U.S. economy or which are generally applicable to the industry in which the Company operates, *provided* that such effects are not borne disproportionately by the Company, (ii) effects resulting from or relating to the announcement or disclosure of the sale of the Securities or other transactions contemplated by the Transaction Documents, or (iii) effects caused by any event, occurrence or condition resulting from or relating to the taking of any action in accordance with the Transaction Documents.

(c) Authorization. The Company has all requisite corporate power and authority to execute, deliver and perform its obligations contemplated by each of the Transaction Documents to which it is a party. Each of the Transaction Documents to which the Company is a party has been duly and validly authorized, executed and delivered by the Company.

(d) No Conflicts. The issue and sale of the Shares and the Warrants and the reservation for issuance and issuance of the Warrant Shares, the execution, delivery and performance of the Transaction Documents to which the Company is a party and the consummation of the transactions contemplated by the Transaction Documents will not (i) conflict with or result in a breach or violation of any of the terms or provisions of, impose any lien, charge or encumbrance upon any property or assets of the Company and its Subsidiaries, or constitute a default under, any indenture, mortgage, deed of trust, loan agreement, license,

lease or other agreement or instrument to which the Company or any of its subsidiaries is a party or by which the Company or any of its Subsidiaries is bound or to which any of the property or assets of the Company or any of its Subsidiaries is subject; (ii) result in any violation of the provisions of the certificate of incorporation, charter or bylaws (or similar organizational documents) of the Company or any of its Subsidiaries; or (iii) result in any violation of any statute or any judgment, order, decree, rule or regulation of any court or governmental agency or body having jurisdiction over the Company or any of its Subsidiaries or any of their properties or assets, except, with respect to clauses (i) and (iii), for such conflicts, breaches, violations, liens, charges, encumbrances or defaults that would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect.

(e) Filings, Consents and Approvals. No consent, approval, authorization or order of, or filing, registration or qualification with, any court or governmental agency or body having jurisdiction over the Company or any of its Subsidiaries or any of their respective properties or assets is required for the issue and sale of the Securities, the execution, delivery and performance by the Company of the Transaction Documents to which the Company is a party, the consummation of the transactions contemplated by the Transaction Documents, except for (i) such consents, approvals, authorizations, orders, filings, registrations or qualifications as may be required under the Exchange Act, (ii) the filing with the Commission of one or more Registration Statements in accordance with the requirements of Section 4.13, (iii) filings required by applicable state or foreign securities laws, (iv) the filing of a Notice of Sale of Securities on Form D with the Commission under Regulation D of the Securities Act, (v) the filing of any requisite notices and/or application(s) to the Principal Trading Market for the issuance and sale of the Securities and the listing of the Shares and the Warrant Shares for trading or quotation, as the case may be, thereon in the time and manner required thereby, (vi) the filings required in accordance with Section 4.5 and (vii) those that have been made or obtained prior to the date of this Agreement (collectively, the “*Required Approvals*”).

(f) Issuance of the Securities. The Shares have been duly authorized and, when issued and paid for in accordance with the terms of the Transaction Documents, will be duly authorized and validly issued, fully paid and nonassessable and free and clear of all liens, other than restrictions on transfer provided for in the Transaction Documents or imposed by applicable securities laws, and shall not be subject to preemptive or similar rights. The Warrants have been duly authorized and, when issued and paid for in accordance with the terms of the Transaction Documents, will be duly authorized and validly issued, free and clear of all liens, other than restrictions on transfer provided for in the Transaction Documents or imposed by applicable securities laws, and shall not be subject to preemptive or similar rights. The Warrant Shares issuable upon exercise of the Warrants have been duly authorized and, when issued and paid for in accordance with the terms of the Transaction Documents and the Warrants, will be duly authorized and validly issued, fully paid and nonassessable, free and clear of all liens, other than restrictions on transfer provided for in the Transaction Documents or imposed by applicable securities laws, and shall not be subject to preemptive or similar rights. Assuming the accuracy of the representations and warranties of the Purchasers in this Agreement, the Securities will be issued in compliance with all applicable federal and state securities laws. As of the Closing Date, the Company shall have reserved from its duly authorized capital stock the number of shares of Common Stock issuable upon exercise of the Warrants (without taking into account any limitations on the exercise of the Warrants set forth in the Warrants). The Company shall, so long as any of the Warrants are outstanding, take all action necessary to reserve and keep available out of its authorized and unissued capital stock, solely for the purpose of effecting the exercise of the Warrants, the number of shares of Common Stock issuable upon exercise of the Warrants (without taking into account any limitations on the exercise of the Warrants set forth in the Warrants).

(g) Capitalization. The authorized capital of the Company consists of 350,000,000 shares of Common Stock, 63,903,974 of which are issued and outstanding as of March 31, 2021, and 10,000,000 shares of preferred stock, par value \$0.001 per share, none of which are currently issued and outstanding as of March 31, 2021. Under the Company’s Plans (as defined below) (i) options to acquire 5,572,641 shares of

Common Stock have been granted and are currently outstanding as of March 31, 2021, (ii) 1,374,479 restricted stock units have been granted and are currently outstanding as of March 31, 2021, and (iii) 5,970,439 shares of Common Stock remain available for future issuance as of March 31, 2021 to directors, executive officers, employees and consultants of the Company pursuant to the Company's Third Amended and Restated 2018 Equity Incentive Plan (the "2018 Plan") (which figure excludes an increase of 7,700,000 shares of Common Stock available for future issuance under the 2018 Plan, which was approved by the Company's stockholders on May 5, 2021 and will become effective on or after June 21, 2021, which is twenty (20) calendar days following the date the Company provided stockholders with an Information Statement on Schedule 14C). Since March 31, 2021, the Company has not issued any equity securities, other than (i) those issued pursuant to the 2018 Plan and any of the Company's other equity incentive plans disclosed in the SEC Reports (including employee stock purchase plans and any inducement equity plans or awards established in compliance with Nasdaq Marketplace Rules) (collectively, together with the 2018 Plan, the "Plans"), (ii) those described on Schedule 3.1(t), and (iii) those issued upon conversion of the Company's 7.25% Convertible Senior Notes due 2025. Except as set forth in the SEC Reports, and other than the shares of Common Stock reserved for issuance under the 2018 Plan, there are no outstanding options, rights (including conversion or preemptive rights and rights of first refusal), proxy or shareholder agreements, or agreements of any kind for the purchase or acquisition from the Company of any of its securities. The Company has an authorized capitalization as set forth in the SEC Reports, and all of the issued shares of the Company have been duly authorized and validly issued, are fully paid and non-assessable, conform in all material respects to the description thereof contained in the SEC Reports and were not issued in violation of any preemptive right, resale right, right of first refusal or similar right. All of the Company's options, warrants and other rights to purchase or exchange any securities for shares of the Company's capital stock have been duly authorized and validly issued, and conform in all material respects to the description thereof contained in the SEC Reports. All of the issued shares of capital stock or other ownership interests of each Subsidiary of the Company have been duly authorized and validly issued, are fully paid and non-assessable and are owned directly or indirectly by the Company, free and clear of all liens, encumbrances, equities or claims, except for such liens, encumbrances, equities or claims as would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect. No Person is entitled to preemptive rights, rights of first refusal, rights of participation or similar rights with respect to any securities of the Company, including with respect to the issuance of Shares contemplated hereby. Except as set forth in the SEC Reports, there are no voting agreements, registration rights agreements or other agreements of any kind between the Company and any other Person relating to the securities of the Company, including the Shares, Warrants and Warrant Shares.

(h) **SEC Reports.** The Company has filed all reports, schedules, forms, statements and other documents required to be filed by it under the Exchange Act, including pursuant to Section 13(a) or 15(d) thereof, for the 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, and the Registration Statements on Form S-1 filed by the Company under the Securities Act 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, except where the failure to file on a timely basis would not have or reasonably be expected to result in a Material Adverse Effect (including, for this purpose only, any failure to qualify to register the Shares and the Warrant Shares for resale on Form S-1 or which would prevent any Purchaser from using Rule 144 to resell any Securities). As of their respective filing dates, or to the extent corrected by a subsequent restatement, the SEC Reports complied in all material respects with the requirements of the Securities Act and the Exchange Act and the rules and regulations of the Commission promulgated thereunder, 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 light of the circumstances under which they were made, not misleading. The Company has never been an issuer subject to Rule 144(i) under the Securities Act.

(i) **Financial Statements.** The historical financial statements (including the related notes and supporting schedules) included in the SEC Reports comply as to form in all material respects with the requirements of Regulation S-X under the Securities Act (“*Regulation S-X*”) and present fairly, in all material respects, the financial condition, results of operations and cash flows of the entities purported to be shown thereby at the dates and for the periods indicated and have been prepared in conformity with GAAP applied on a consistent basis throughout the periods involved. All disclosures contained in the SEC Reports regarding “non-GAAP financial measures” (as defined by the rules and regulations of the Commission) comply with Regulation G of the Exchange Act and Item 10 of Regulation S-K of the Securities Act, to the extent applicable. There are no financial statements (historical or pro forma) that are required to be included in the SEC Reports that are not so included as required. The interactive data in eXtensible Business Reporting Language (“*XBRL*”) included or incorporated by reference in the SEC Reports fairly present the information called for in all material respects and have been prepared in accordance with the Commission’s rules and guidelines applicable thereto.

(j) **Material Changes.** Except as would not, in the aggregate, reasonably be expected to have a Material Adverse Effect, since the date of the latest audited financial statements included in the SEC Reports, and, except as disclosed in a subsequent SEC Report filed prior to the date hereof, neither the Company nor any of its Subsidiaries has (i) sustained any loss or interference with its business from fire, explosion, flood or other calamity, whether or not covered by insurance, or from any labor dispute or court or governmental action, order or decree, (ii) issued or granted any securities (other than (a) pursuant to employee benefit plans, qualified stock option plans or other equity compensation plans or arrangements existing on the date hereof and disclosed in the SEC Reports, (b) those described on Schedule 3.1(r), and (c) those issued upon conversion of the Company’s 7.25% Convertible Senior Notes due 2025), (iii) incurred any material liability or obligation, direct or contingent, other than liabilities and obligations that were incurred in the ordinary course of business, (iv) entered into any material transaction not in the ordinary course of business, or (v) declared or paid any dividend on its share capital; and since such date, except as disclosed in the SEC Reports, there has not been any change in the share capital, long-term debt, net current assets or short-term debt of the Company or any of its Subsidiaries or any adverse change, or any development involving a prospective adverse change, in or affecting the condition (financial or otherwise), prospects, results of operations, stockholders’ equity, properties, management or business of the Company and its Subsidiaries taken as a whole.

(k) **Litigation.** Except as disclosed in the SEC Reports and on Schedule 3.1(k), there are no legal or governmental proceedings pending to which the Company or any of its Subsidiaries is a party or of which any property or assets of the Company or any of its Subsidiaries is the subject that, if determined adversely to the Company, would, in the aggregate, reasonably be expected to have a Material Adverse Effect or would, in the aggregate, reasonably be expected to have a material adverse effect on the performance of the Transaction Documents or the consummation of the transactions contemplated by the Transaction Documents; and to the Company’s knowledge, no such proceedings are threatened or contemplated by governmental authorities or others.

(l) **No Labor Dispute; Compliance with Labor Laws.** No labor disturbance by or dispute with the employees of the Company or any of its Subsidiaries exists or, to the knowledge of the Company, is imminent that could reasonably be expected to have a Material Adverse Effect. Neither the Company nor any of its Subsidiaries is in violation of or has received written notice of any violation with respect to any federal or state law relating to discrimination in the hiring, promotion or pay of employees, nor any applicable federal or state wage and hour laws, nor any state law precluding the denial of credit due to the neighborhood in which a property is situated, the violation of any of which could reasonably be expected to have a Material Adverse Effect.

(m) No Default. Except as disclosed in the SEC Reports, neither the Company nor any of its Subsidiaries (i) is in violation of its certificate of incorporation, charter or bylaws (or similar organizational documents), (ii) is in default, and no event has occurred that, with notice or lapse of time or both, would constitute such a default, in the due performance or observance of any term, covenant, condition or other obligation contained in any indenture, mortgage, deed of trust, loan agreement, license or other agreement or instrument to which it is a party, by which it is bound or to which any of its properties or assets is subject, or (iii) is in violation of any statute or any order, rule or regulation of any court or governmental agency or body having jurisdiction over it or its property or assets or (iv) has failed to obtain any license, permit, certificate, franchise or other governmental authorization or permit necessary to the ownership of its property or to the conduct of its business, except in the case of clauses (ii) and (iii), to the extent any such conflict, breach, violation or default would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect.

(n) Regulatory Permits. The Company and its Subsidiaries possess all material certificates, authorizations, clearances, approvals, registrations, exemptions, licenses or permits required by state, federal or foreign regulatory agencies or bodies to conduct their respective businesses as currently conducted and as described in the SEC Reports ("*Permits*"), and all such Permits are valid, current and in full force and effect, except where the failure to so possess or be valid, current and in full force and effect would not, individually or in the aggregate, reasonably be expected to result in a Material Adverse Effect. Neither the Company nor any of its Subsidiaries is in violation of, or in default under, any of the Permits or has received any notice of proceedings relating to the revocation or modification of, or non-compliance with, any such certificate, authorization or permit. Neither the Company nor any of its Subsidiaries has received any notice of proceedings relating to the revocation or modification of any Permits which, singly or in the aggregate, if the subject of an unfavorable decision, ruling or finding, would reasonably be expected to result in a Material Adverse Effect. The Company has not received any written notice denying, revoking or modifying any "approved enterprise," "benefited enterprise" or "preferred enterprise" status with respect to any of the Company's facilities or operations.

(o) Title to Assets. The Company and each of its Subsidiaries have good and marketable title in fee simple to all real property and good and marketable title to all personal property owned by them, that are material to the business of the Company, in each case free and clear of all liens, encumbrances and defects, except for such liens, encumbrances and defects 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 its Subsidiaries. All assets held under lease by the Company and its Subsidiaries, that are material to the business of the Company, are held by them under valid, subsisting and enforceable leases, with such exceptions as do not materially interfere with the use made and proposed to be made of such assets by the Company and its Subsidiaries.

(p) Intellectual Property. The Company and each of the Subsidiaries owns, possesses, or can acquire or license on reasonable terms, all Intellectual Property necessary for the conduct of the Company's and the Subsidiaries' businesses as now conducted and as proposed to be conducted as described in the SEC Reports, except as such failure to own, possess, acquire or license such rights would not result in a Material Adverse Effect. Furthermore, (A) to the knowledge of the Company, there is no infringement, misappropriation or violation by third parties of any such Intellectual Property, except as such infringement, misappropriation or violation would not result in a Material Adverse Effect; (B) there is no pending or, to the knowledge of the Company, threatened, action, suit, proceeding or claim by others challenging the Company's or any of the Subsidiaries' rights in or to any such Intellectual Property, and the Company is unaware of any facts which would form a reasonable basis for any such claim; (C) the Intellectual Property owned by the Company and the Subsidiaries, and to the knowledge of the Company, the Intellectual Property licensed to the Company and the Subsidiaries, has not been adjudged invalid or unenforceable, in whole or in part, and there is no pending or, to the knowledge of the Company, threatened action, suit, proceeding or claim by others challenging the validity or scope of any such Intellectual Property, and the Company is not aware of any facts which would form a reasonable basis for any such claim; (D) except as set forth in the SEC Reports and on Schedule 3.1(k), there is no prior, pending or, to the knowledge of the Company, threatened action, suit, proceeding or claim

by others that the Company or any of the Subsidiaries infringes, misappropriates or otherwise violates any Intellectual Property or other proprietary rights of others, neither the Company or any of the Subsidiaries has received any written notice of such claim and the Company is not aware of any other fact which would form a reasonable basis for any such claim; and (E) to the Company's knowledge, no employee of the Company or any of the Subsidiaries is in or has ever been in violation of any term of any employment contract, patent disclosure agreement, invention assignment agreement, non-competition agreement, non-solicitation agreement, nondisclosure agreement or any restrictive covenant to or with a former employer where the basis of such violation relates to such employee's employment with the Company or any of the Subsidiaries or actions undertaken by the employee while employed with the Company or any of the Subsidiaries. "*Intellectual Property*" shall mean all patents, patent applications, trade and service marks, trade and service mark registrations, trade names, copyrights, licenses, inventions, trade secrets, Internet domain names, technology, know-how and other intellectual property in the United States and foreign jurisdictions.

(q) Insurance. Except as would not reasonably be expected to have a Material Adverse Effect, the Company and each of its Subsidiaries maintain insurance from nationally recognized, in the applicable country, insurers in such amounts and covering such risks as is commercially reasonable in accordance with customary practices for companies engaged in similar businesses and similar industries for the conduct of their respective businesses and the value of their respective properties and as is customary for companies engaged in similar businesses in similar industries. All insurance policies of the Company and its Subsidiaries are in full force and effect; the Company and each of its Subsidiaries are in compliance with the terms of such policies in all material respects; neither the Company nor any of its Subsidiaries has received notice from any insurer or agent of such insurer that capital improvements or other expenditures are required or necessary to be made in order to continue such insurance; there are no material claims by the Company or any of its Subsidiaries under any such policy or instrument as to which any insurance company is denying liability or defending under a reservation of rights clause; and neither the Company nor any such 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 at a cost that would not reasonably be expected to have a Material Adverse Effect.

(r) Transactions With Affiliates and Employees. Except as set forth on Schedule 3.1(r), 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, on the other hand, that is required to be described in the SEC Reports that is not so described.

(s) Internal Accounting Controls. The Company and the Subsidiaries maintain a system of internal accounting controls sufficient to provide reasonable assurances that (A) transactions are executed in accordance with management's general or specific authorization; (B) transactions are recorded as necessary to permit preparation of financial statements in conformity with GAAP and to maintain accountability for assets; (C) access to assets is permitted only in accordance with management's general or specific authorization; and (D) the recorded accountability for assets is compared with existing assets at reasonable intervals and appropriate action is taken with respect to any differences. Except as disclosed in the SEC Reports, the Company's internal control over financial reporting is effective and none of the Company, its Board of Directors and audit committee is aware of any "significant deficiencies" or "material weaknesses" (each as defined by the Public Company Accounting Oversight Board) in its internal control over financial reporting, or any fraud, whether or not material, that involves management or other employees of the Company or the Subsidiaries who have a significant role in the Company's internal controls; and since the end of the latest audited fiscal year, there has been no change in the Company's internal control over financial reporting (whether or not remediated) that has materially affected, or is reasonably likely to materially affect, the Company's internal control over financial reporting. The Company's Board of Directors has, subject to the exceptions, cure periods and the phase-in periods specified in the applicable stock exchange rules ("*Exchange Rules*"), validly appointed an audit committee to oversee internal accounting controls whose composition satisfies the applicable requirements of the Exchange Rules and the Company's Board of Directors and/or the audit committee has adopted a charter that satisfies the requirements of the Exchange Rules in respect of the audit committee.

(t) Sarbanes-Oxley Compliance. There is and has been no failure on the part of the Company or, to the knowledge of the Company, any of the Company's directors or officers, in their capacities as such, to comply with any provision of the Sarbanes-Oxley Act that are applicable to the Company or its directors or officers in their capacities as directors or officers of the Company.

(u) No Other Brokers. Neither the Company nor any of its Subsidiaries is a party to any contract, agreement or understanding with any person (other than with the Placement Agents) that would give rise to a valid claim against any of them or the Placement Agents for a brokerage commission, finder's fee or like payment in connection with the offering and sale of the Securities.

(v) Private Placement. Assuming the accuracy of the Purchasers' representations and warranties set forth in Section 3.2, no registration under the Securities Act is required for the offer and sale of the Securities by the Company to the Purchasers under the Transaction Documents. Assuming the making and the obtaining of the Required Approvals, the issuance and sale of the Securities hereunder does not contravene the rules and regulations of the Trading Market.

(w) Investment Company. The Company is not, and will not be, after giving effect to the offer and sale of the Securities, (i) required to register as an "investment company" (within the meaning of the Investment Company Act of 1940, as amended (the "*Investment Company Act*")) or (ii) a "business development company" (as defined in Section 2(a)(48) of the Investment Company Act).

(x) Registration Rights. Except as disclosed in the SEC Reports and other than each of the Purchasers, there are no contracts, agreements or understandings between the Company and any person granting such person the right to require the Company to file a registration statement under the Securities Act with respect to any securities of the Company owned or to be owned by such person. There are no contracts, agreements or understandings to require the Company to include any such securities in the Securities proposed to be offered pursuant to the Transaction Documents, except for such contracts, agreements or understandings that have been validly waived in writing prior to the date hereof.

(y) Exchange Act Registration and Listing of the Common Stock. The Company's Common Stock is registered pursuant to Section 12(b) of the Exchange Act and listed on the Principal Trading Market; the Company has taken no action designed to, or reasonably likely to have the effect of, terminating the registration of the Common Stock under the Exchange Act or delisting the Common Stock from the Principal Trading Market, nor has the Company received any notification that the Commission or FINRA is contemplating terminating such registration or listing.

(z) Application of Takeover Protections; Rights Agreements. 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 charter documents or the laws of its state of incorporation that is or could reasonably be expected to become applicable to any of 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, the Company's issuance of the Securities and the Purchasers' ownership of the Securities.

(aa) Disclosure. The Company confirms that it has not provided, and to the knowledge of the Company, none of its officers or directors nor any other Person acting on its or their behalf has provided, and it has not authorized the Placement Agents to provide, any Purchaser or its respective agents or counsel with any information that it believes constitutes material, non-public information regarding the Company or its Subsidiaries except (i) insofar as the existence, provisions and terms of the Transaction Documents and the proposed transactions hereunder may constitute such information, all of which will be disclosed by the Company in the Press Release as contemplated by Section 4.5 hereof or (ii) to such Purchaser, prior to such disclosure, that has executed a written agreement regarding the confidentiality and use of such information. The Company understands and confirms that the Purchasers will rely on the foregoing representations in effecting transactions in securities of the Company.

(bb) No Integrated Offering. Assuming the accuracy of the Purchasers' representations and warranties set forth in Section 3.2, none of the Company, its Subsidiaries nor, to the knowledge of the Company, any of its Affiliates or any Person acting on its behalf has, directly or indirectly, at any time within the past six (6) months, made any offers or sales of any Company security or solicited any offers to buy any security under circumstances that would (i) eliminate the availability of the exemption from registration under Regulation D under the Securities Act in connection with the offer and sale by the Company of the Securities as contemplated hereby or (ii) cause the offering of the Securities pursuant to the Transaction Documents to be integrated with prior offerings by the Company for purposes of any applicable law, regulation or stockholder approval provisions, including, without limitation, under the rules and regulations of any Trading Market on which any of the securities of the Company are listed or designated.

(cc) Tax Matters. The Company and each of its Subsidiaries have filed all federal, state, local and foreign tax returns required to be filed through the date hereof, subject to permitted extensions (except where the failure to file would not individually or in the aggregate, reasonably be expected to have a Material Adverse Effect), and have paid all taxes due (except where the failure to pay would not individually or in the aggregate, reasonably be expected to have a Material Adverse Effect), and no tax deficiency has been determined adversely to the Company or any of its Subsidiaries, nor does the Company have any knowledge of any tax deficiencies that have been, or would reasonably be expected to be asserted against the Company, that would, in the aggregate, reasonably be expected to have a Material Adverse Effect.

(dd) Compliance with Environmental Laws. Except as disclosed in the SEC Reports, neither the Company nor any of the Subsidiaries is in violation of any statute, any rule, regulation, decision or order of any governmental authority or any court, domestic or foreign, relating to the use, disposal or release of hazardous or toxic substances or relating to the protection or restoration of the environment or human exposure to hazardous or toxic substances (collectively, "*Environmental Laws*"), owns or operates any real property contaminated with any substance that is subject to any Environmental Laws, is liable for any off-site disposal or contamination pursuant to any Environmental Laws, or is subject to any claim relating to any Environmental Laws, which violation, contamination, liability or claim would individually or in the aggregate, have a Material Adverse Effect; and the Company is not aware of any pending investigation which might lead to such a claim. Neither the Company nor any of the Subsidiaries anticipates incurring any material capital expenditures relating to compliance with Environmental Laws.

(ee) No General Solicitation. The Company has not offered or sold any of the Securities by any form of general solicitation or general advertising.

(ff) Anti-Bribery and Anti-Money Laundering Laws. Each of the Company, the Subsidiaries, any of their respective officers, directors, affiliates and employees, and, to the Company's knowledge, any of their respective agents has not violated, its participation in the offering will not violate, and the Company and each of the Subsidiaries has instituted and maintains policies and procedures designed to ensure continued compliance with, each of the following laws: (i) anti-bribery laws, including but not limited to, any applicable law, rule or regulation of any locality, including but not limited to any law, rule or regulation promulgated to implement the OECD Convention on Combating Bribery of Foreign Public Officials in International Business Transactions, signed December 17, 1997, including the U.S. Foreign Corrupt Practices Act of 1977, as amended, the U.K. Bribery Act 2010, or any other law, rule or regulation of similar purposes

and scope or (ii) anti-money laundering laws, including but not limited to, applicable federal, state, international, foreign or other laws, regulations or government guidance regarding anti-money laundering, including, without limitation, Title 18 U.S. Code section 1956 and 1957, the Patriot Act, the Bank Secrecy Act and international anti-money laundering principles or procedures by an intergovernmental group or organization, such as the Financial Action Task Force on Money Laundering, of which the United States is a member and with which designation the United States representative to the group or organization continues to concur, all as amended, and any Executive order, directive or regulation pursuant to the authority of any of the foregoing, or any orders or licenses issued thereunder.

(gg) Off Balance Sheet Arrangements. There are no transactions, arrangements or other relationships between and/or among the Company, and/or, to the knowledge of the Company, any of its Affiliates and any unconsolidated entity, including, but not limited to, any structural finance, special purpose or limited purpose entity (each, an “*Off-Balance Sheet Transaction*”) that could reasonably be expected to materially affect the Company’s liquidity or the availability of or requirements for its capital resources, including those Off-Balance Sheet Transactions described in the Commission’s Statement about Management’s Discussion and Analysis of Financial Conditions and Results of Operations (Release Nos. 33-8056; 34-45321; FR-61), and are required to be described in the SEC Reports, which have not been described as required.

(hh) Acknowledgment Regarding Purchasers’ Purchase of Securities. 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 hereby and 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 transactions contemplated thereby and any advice given by any Purchaser 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.

(ii) Regulation M Compliance. The Company and its controlled affiliates have not taken, directly or indirectly, any action designed to or that has constituted or that could reasonably be expected to cause or result in the stabilization or manipulation of the price of any security of the Company in connection with the offering of the Securities.

(jj) PFIC. Subject to the qualifications and assumptions set forth in the SEC Reports, the Company is not, and upon the sale of the Shares and Warrants contemplated hereby does not expect to become, a “passive foreign investment company” (as defined in Section 1297 of the Internal Revenue Code of 1986, as amended, and the regulations promulgated thereunder).

(kk) OFAC. Neither the Company nor any of the Subsidiaries, nor any of their directors, officers or employees, nor, to the Company’s knowledge, any agent, affiliate or representative of the Company or the Subsidiaries, is an individual or entity that is, or is owned or controlled by an individual or entity that is: (i) the subject of any sanctions administered or enforced by the U.S. Department of Treasury’s Office of Foreign Assets Control, the United Nations Security Council, the European Union, Her Majesty’s Treasury, or other relevant sanctions authority (collectively, “*Sanctions*”), nor (ii) located, organized or resident in a country or territory that is the subject of Sanctions (including, without limitation, Burma/Myanmar, Cuba, Iran, Libya, North Korea and Syria). Neither the Company nor any of the Subsidiaries will, directly or indirectly, use the proceeds of the offering, or lend, contribute or otherwise make available such proceeds to any Subsidiary, joint venture partner or other individual or entity: (i) to fund or facilitate any activities or business of or with any individual or entity or in any country or territory that, at the time of such funding or facilitation, is the subject

of Sanctions; or (ii) in any other manner that will result in a violation of Sanctions by any individual or entity (including any individual or entity participating in the offering, whether as underwriter, advisor, investor or otherwise). For the past five years, neither the Company nor any of the Subsidiaries has knowingly engaged in, and is not now knowingly engaged in, any dealings or transactions with any individual or entity, or in any country or territory, that at the time of the dealing or transaction is or was the subject of Sanctions.

(II) Compliance with Healthcare Laws and Regulations. Except as disclosed in the SEC Reports, the Company, the Subsidiaries, the Managed Practice and, to the Company's knowledge, their respective directors, employees and agents (while acting in such capacity) are in material compliance with all health care laws applicable to the Company and the Subsidiaries, or any of their products or activities, including, but not limited to, the federal Anti-Kickback Statute (42 U.S.C. Section 1320a-7b(b)), the Civil Monetary Penalties Law (42 U.S.C. Section 1320a-7a), the civil False Claims Act (31 U.S.C. Section 3729 et seq.), the criminal False Claims Law (42 U.S.C. Section 1320a-7b(a)), the Stark law (42 U.S.C. Section 1395nn), the Physician Payments Sunshine Act (42 U.S.C. § 1320a-7h), the Health Insurance Portability and Accountability Act of 1996 (42 U.S.C. Section 1320d et seq.) as amended by the Health Information Technology for Economic and Clinical Health Act (42 U.S.C. Section 17921 et seq.) ("*HIPAA*"), all criminal laws relating to healthcare fraud and abuse, including but not limited to 18 U.S.C. sections 286 and 287, the healthcare fraud criminal provisions under HIPAA, the exclusion laws (42 U.S.C. Section 1320a-7), the Federal Food, Drug, and Cosmetic Act (21 U.S.C. Section 301 et seq.), the Controlled Substances Act (21 U.S.C. Section 801 et seq.), the Public Health Service Act (42 U.S.C. Section 201 et seq.), the Clinical Laboratory Improvement Amendments of 1988 (42 U.S.C. Section 263a), Medicare (Title XVIII of the Social Security Act), Medicaid (Title XIX of the Social Security Act), TRICARE (10 U.S.C. Sections 1071 et seq.), any state corporate practice or fee-splitting prohibitions, and any state or federal anti-markup or comparable laws or regulations, the regulations promulgated pursuant to such laws, and any other state, federal or foreign law, accreditation standards, regulation, memorandum, opinion letter or other issuance which imposes requirements on the manufacturing, development, testing, labeling, advertising, marketing or distribution of drugs, biologics and medical devices (including diagnostic products and laboratory developed tests), kickbacks, patient or program charges, recordkeeping, claims process, documentation requirements, medical necessity, referrals, the hiring of employees or acquisition of services or supplies from those who have been excluded from government health care programs, quality, safety, privacy, security, licensure, accreditation or any other aspect of providing health care, clinical laboratory or diagnostics products or services (collectively, "*Health Care Laws*"). None of the Company, the Subsidiaries, the Managed Practice or any of its respective officers, directors, employees or, to the Company's knowledge, agents, have engaged in activities which are, as applicable, cause for false claims liability, civil penalties, or mandatory or permissive exclusion from Medicare, Medicaid, TRICARE or any other state or federal healthcare program (collectively, the "*Programs*"). Except as disclosed in the SEC Reports, none of the Company, any of the Subsidiaries or the Managed Practice has received any notification, correspondence or any other written or, to the Company's knowledge, oral communication, including notification of any pending or threatened claim, suit, proceeding, hearing, enforcement, investigation, arbitration or other action ("*Action*") from any governmental authority, including, without limitation, the FDA, the EMA, Health Canada, the United States Federal Trade Commission, the United States Drug Enforcement Administration, CMS, HHS's Office of Inspector General, the United States Department of Justice and state Attorneys General or similar agencies of potential or actual non-compliance by, or liability of, the Company, the Subsidiaries or the Managed Practice under any Health Care Laws, except, with respect to any of the foregoing, such as would not, individually or in the aggregate, be material to the Company, its Subsidiaries or the Managed Practice. Except as disclosed in the SEC Reports, to the Company's knowledge, there are no facts or circumstances that would reasonably be expected to give rise to material liability of the Company, the Subsidiaries or the Managed Practice under any Health Care Laws. Except as set forth in the SEC Reports, none of the Company, any of its Subsidiaries or the Managed Practice is a party to, and has any ongoing reporting obligations pursuant to any corporate integrity agreement, deferred prosecution agreement, monitoring agreement, consent decree, settlement order, plan of correction or similar agreement imposed by any governmental or regulatory authority. Additionally, none of the Company,

its Subsidiaries, the Managed Practice or any of its respective employees, officers or directors, nor to the Company's knowledge, any of its agents, has been excluded, suspended or debarred from participation in any Program or human clinical research or, to the knowledge of the Company, is subject to a governmental inquiry, investigation, proceeding, or other similar Action that could reasonably be expected to result in debarment, suspension, or exclusion. The statements with respect to Health Care Laws and the Company's, the Subsidiaries' and the Managed Practice's compliance therewith included in the SEC Reports fairly summarize the matters therein described.

(mm) Shell Company. The Company is not an "ineligible issuer" (as defined in Rule 405 promulgated under the Securities Act).

(nn) No Additional Agreements. The Company does not have any agreement or understanding with any Purchaser with respect to the transactions contemplated by the Transaction Documents other than as specified in the Transaction Documents or any written agreement regarding the confidentiality and use of confidential information.

(oo) Clinical Trials. The studies, tests and preclinical and clinical trials conducted by or on behalf of, or sponsored by, the Company or the Subsidiaries, or in which the Company or the Subsidiaries have participated, that are described in the SEC Reports, or the results of which are referred to in the SEC Reports, were and, if still pending, are being conducted in all material respects in accordance with the protocols, procedures and controls established for each such study, test or preclinical or clinical trial and pursuant to, where applicable, accepted professional and scientific standards for products or product candidates comparable to those being developed by the Company or the Subsidiaries and all applicable statutes, rules and regulations of the regulatory agencies to which they are subject, including without limitation the Health Care Laws, including 21 C.F.R. Parts 50, 54, 56, 58, 312 and 812; the descriptions of the results of such studies, tests and trials contained in the SEC Reports do not contain any misstatement of a material fact or omit a material fact necessary to make such statements not misleading; the Company has no knowledge of any studies, tests or trials not described in the SEC Reports the results of which reasonably call into question in any material respect the results of the studies, tests and trials described in the SEC Reports; and neither the Company nor any of the Subsidiaries has received any notices or other correspondence from the FDA, the EMA, Health Canada or any other foreign, state or local governmental body exercising comparable authority or any Institutional Review Board or comparable authority requiring or threatening the termination, suspension or material modification of any studies, tests or preclinical or clinical trials conducted by or on behalf of, or sponsored by, the Company or in which the Company has participated, and, to the Company's knowledge, there are no reasonable grounds for the same. Except as disclosed in the SEC Reports, there has not been any violation of law or regulation by the Company or the Subsidiaries in their respective product development efforts, submissions or reports to any regulatory authority that could reasonably be expected to require investigation, corrective action or enforcement action.

(pp) Absence of Settlement Agreements or Undertakings. Except as disclosed in the SEC Reports, the Company is not a party to any corporate integrity agreements, monitoring agreements, consent decrees, settlement orders, or similar agreements with or imposed by any governmental authority.

(qq) Material Contracts. There are no contracts or other documents required to be described in the SEC Reports or filed as exhibits to the SEC Reports pursuant to Item 601 of Regulation S-K that are not described and filed as required. The statements made in the SEC Reports, insofar as they purport to constitute summaries of the terms of the contracts and other documents described and filed pursuant to Item 601 of Regulation S-K, constitute accurate summaries of the terms of such contracts and documents in all material respects. Except as disclosed in the SEC Reports, neither the Company nor any of its Subsidiaries has knowledge that any other party to any such contract or other document filed pursuant to Item 601 of Regulation S-K has any intention not to render full performance as contemplated by the terms thereof.

(rr) Disclosure Controls. The Company has established and maintains disclosure controls and procedures (as defined in Rules 13a-14 and 15d-14 under the Exchange Act) and such controls and procedures are effective in ensuring that material information relating to the Company, including the Subsidiaries, is made known to the principal executive officer and the principal financial officer. The Company has utilized such controls and procedures in preparing and evaluating the disclosures in the SEC Reports.

(ss) No “Bad Actor” Disqualification. The Company has exercised reasonable care, in accordance with SEC rules and guidance, to determine whether any Covered Person (as defined below) is subject to any of the “bad actor” disqualifications described in Rule 506(d)(1)(i) through (viii) under the Securities Act (“*Disqualification Events*”). To the Company’s knowledge, no Covered Person is subject to a Disqualification Event, except for a Disqualification Event covered by Rule 506(d)(2) or (d)(3) under the Securities Act. The Company has complied, to the extent applicable, with any disclosure obligations under Rule 506(e) under the Securities Act. “*Covered Persons*” are those persons specified in Rule 506(d)(1) under the Securities Act, including the Company; any predecessor or affiliate of the Company; any director, executive officer, other officer participating in the offering, general partner or managing member of the Company; any beneficial owner of 20% or more of the Company’s outstanding voting equity securities, calculated on the basis of voting power; any promoter (as defined in Rule 405 under the Securities Act) connected with the Company in any capacity at the time of the sale of the Securities; and any person that has been or will be paid (directly or indirectly) remuneration for solicitation of purchasers in connection with the sale of the Securities (a “*Solicitor*”), any general partner or managing member of any Solicitor, and any director, executive officer or other officer participating in the offering of any Solicitor or general partner or managing member of any Solicitor.

3.2 Representations and Warranties of the Purchasers. Each Purchaser hereby, for itself and for no other Purchaser, represents and warrants as of the date hereof and as of the Closing Date to the Company and the Placement Agents as follows:

(a) Organization; Authority. Such Purchaser is an entity duly organized, validly existing and in good standing under the laws of the jurisdiction of its organization with the requisite corporate, limited liability company or partnership power and authority to enter into and to consummate the transactions contemplated by the applicable Transaction Documents and otherwise to carry out its obligations hereunder and thereunder. The execution and delivery of this Agreement by such Purchaser and performance by such Purchaser of the transactions contemplated by this Agreement have been duly authorized by all necessary corporate or, if such Purchaser is not a corporation, such partnership, limited liability company or other applicable like action, 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 as such enforceability may be limited by applicable bankruptcy, insolvency, reorganization, moratorium, liquidation or similar laws relating to, or affecting generally the enforcement of, creditors’ rights and remedies or by other equitable principles of general application.

(b) No Conflicts. The execution, delivery and performance by such Purchaser of this Agreement and the consummation by such Purchaser of the transactions contemplated hereby and thereby will not (i) result in a violation of the organizational documents of such Purchaser, (ii) conflict with, or constitute a default (or an event which with notice or lapse of time or both would become a default) under, or give to others any rights of termination, amendment, acceleration or cancellation of, any agreement, indenture or instrument to which such Purchaser is a party, or (iii) result in a violation of any law, rule, regulation, order, judgment or decree (including federal and state securities laws) applicable to such Purchaser, except in the case of clauses (ii) and (iii) above, for such conflicts, defaults, rights or violations which would not, individually or in the aggregate, reasonably be expected to have a material adverse effect on the ability of such Purchaser to perform its obligations hereunder.

(c) Investment Intent. Such Purchaser understands that the Securities are “restricted securities” and have not been registered under the Securities Act or any applicable state securities law and is acquiring the Shares and Warrants and, upon exercise of the Warrants, will acquire the Warrant Shares issuable upon exercise thereof, as principal for its own account and not with a view to, or for distributing or reselling such Securities or any part thereof in violation of the Securities Act or any applicable state securities laws, *provided, however*, that by making the representations herein, such Purchaser does not agree to hold any of the Securities for any minimum period of time and reserves the right, subject to the provisions of this Agreement, at all times to sell or otherwise dispose of all or any part of such Securities pursuant to an effective registration statement under the Securities Act or under an exemption from such registration and in compliance with applicable federal and state securities laws. Such Purchaser is acquiring the Securities hereunder in the ordinary course of its business. Such Purchaser does not presently have any agreement, plan or understanding, directly or indirectly, with any Person to distribute or effect any distribution of any of the Securities (or any securities which are derivatives thereof) to or through any person or entity; such Purchaser is not a registered broker-dealer under Section 15 of the Exchange Act or an entity engaged in a business that would require it to be so registered as a broker-dealer.

(d) Purchaser Status. At the time such Purchaser was offered the Shares and Warrants, it was, and at the date hereof it is, and on each date on which it exercises the Warrants, it will be, an “accredited investor” as defined in Rule 501(a) under the Securities Act.

(e) General Solicitation. Such Purchaser is not purchasing the Securities as a result of any advertisement, article, notice or other communication regarding the Securities published in any newspaper, magazine or similar media or broadcast over television or radio or presented at any seminar or any other general advertisement.

(f) Experience of Such Purchaser. 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.

(g) Acknowledgment of Risks.

(i) Such Purchaser acknowledges and understands that its investment in the Securities involves a significant degree of risk, including, without limitation: (i) the Company remains a development stage business with limited operating history and requires substantial funds in addition to the proceeds from the sale of the Securities; (ii) an investment in the Company is speculative, and only Purchasers who can afford the loss of their entire investment should consider investing in the Company and the Securities; (iii) such Purchaser may not be able to liquidate its investment; (iv) transferability of the Securities is extremely limited; (v) in the event of a disposition of the Securities, such Purchaser could sustain the loss of its entire investment; and (vi) the Company has not paid any dividends on its Common Stock since inception and does not anticipate the payment of dividends in the foreseeable future. Such risks are more fully set forth in the public filings made by the Company with the Commission;

(ii) Such Purchaser is able to bear the economic risk of holding the Securities for an indefinite period, and has knowledge and experience in financial and business matters such that it is capable of evaluating the risks of the investment in the Securities; and

(iii) Such Purchaser has, in connection with such Purchaser’s decision to purchase Securities, not relied upon any representations or other information (whether oral or written) other than as set forth in the representations and warranties of the Company contained herein, and such Purchaser has, with respect to all matters relating to the Transaction Documents and the offer and sale of the Securities, relied solely upon the advice of such Purchaser’s own counsel and has not relied upon or consulted any counsel to the Placement Agents or counsel to the Company.

(iv) Such Purchaser acknowledges that the Company is entering into this Agreement with such Purchaser in reliance on such Purchaser's understanding, acknowledgment and agreement that the Company is privy to material non-public information regarding the Company (collectively, the "*Non-Public Information*"), which Non-Public Information may be material to a reasonable investor, such as such Purchaser, when making investment decisions, including the decision to enter into this Agreement. Such Purchaser's decision to enter into the this Agreement is being made with full recognition and acknowledgment that the Company is privy to the Non-Public Information, irrespective of whether such Non-Public Information has been provided to such Purchaser. Such Purchaser hereby waives any claim, or potential claim, it has or may have against the Company or the Placement Agents relating to the Company's possession of Non-Public Information.

(h) Access to Information. Such Purchaser acknowledges that it has had the opportunity to review 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 the Subsidiaries and their respective 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. Neither such inquiries nor any other investigation conducted by or on behalf of such Purchaser or its representatives or counsel shall modify, amend or affect such Purchaser's right to rely on the truth, accuracy and completeness of the SEC Reports and the Company's representations and warranties contained in the Transaction Documents. Such Purchaser has sought such accounting, legal and tax advice as it has considered necessary to make an informed decision with respect to its acquisition of the Securities. Such Purchaser acknowledges and agrees that neither the Placement Agents nor any of their Affiliates have provided such Purchaser with any information or advice with respect to the Securities nor is such information or advice necessary or desired. Neither the Placement Agents nor any of their Affiliates have made or makes any representation as to the Company or the quality of the Securities and the Placement Agents and their Affiliates may have acquired non-public information with respect to the Company which such Purchaser agrees need not be provided to it.

(i) Certain Trading Activities. Other than with respect to the transactions contemplated herein, since the time that such Purchaser was first contacted by the Company, any Placement Agent or any other Person regarding the transactions contemplated hereby, neither the Purchaser nor any Affiliate of such Purchaser which (x) had knowledge of the transactions contemplated hereby, (y) has or shares discretion relating to such Purchaser's investments or trading or information concerning such Purchaser's investments, including in respect of the Securities, and (z) is subject to such Purchaser's review or input concerning such Affiliate's investments or trading (each a "*Trading Affiliate*") has directly or indirectly, nor has any Person acting on behalf of or pursuant to any understanding with such Purchaser or Trading Affiliate, effected or agreed to effect any purchases or sales of the securities of the Company (including, without limitation, any Short Sales involving the Company's securities). Notwithstanding the foregoing, in the case of a Purchaser and/or Trading Affiliate that is, individually or collectively, a multi-managed investment bank or vehicle whereby separate portfolio managers manage separate portions of such Purchaser's or Trading Affiliate'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 or Trading Affiliate's assets, the representation set forth above shall apply only with respect to the portion of assets managed by the portfolio manager that have knowledge about the financing transaction contemplated by this Agreement. Other than to other Persons party to this Agreement, 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 avoidance of doubt, nothing contained herein shall constitute a representation or warranty, or preclude any actions, with respect to the identification of the availability of, or securing of, available shares to borrow in order to effect short sales or similar transactions in the future.

(j) Brokers and Finders. No Person will have, as a result of the transactions contemplated by this Agreement, any valid right, interest or claim against or upon the Company or any Purchaser for any commission, fee or other compensation pursuant to any agreement, arrangement or understanding entered into by or on behalf of the Purchaser.

(k) Independent Investment Decision. Such Purchaser has independently evaluated the merits of its decision to purchase Securities pursuant to the Transaction Documents, and such Purchaser confirms that it has not relied on the advice of any other Purchaser's business and/or legal counsel in making such decision. Such Purchaser understands that nothing in this Agreement or any other materials presented by or on behalf of the Company to the Purchaser in connection with the purchase of the Securities constitutes legal, tax or investment advice. Such Purchaser has consulted such legal, tax and investment advisors as it, in its sole discretion, has deemed necessary or appropriate in connection with its purchase of the Securities. Such Purchaser understands that the Placement Agents have acted solely as the agents of the Company in this placement of the Shares and Warrants and such Purchaser has not relied on the business or legal advice of the Placement Agents or any of their agents, counsel or Affiliates in making its investment decision hereunder, and confirms that none of such Persons has made any representations or warranties to such Purchaser in connection with the transactions contemplated by the Transaction Documents.

(l) Reliance on Exemptions. Such Purchaser understands that the Securities being offered and sold to it in reliance on specific exemptions from the registration requirements of United States federal and state securities laws and that the Company is relying in part upon the truth and accuracy of, and such Purchaser's compliance with, the representations, warranties, agreements, acknowledgements and understandings of such Purchaser set forth herein in order to determine the availability of such exemptions and the eligibility of such Purchaser to acquire the Securities.

(m) No Governmental Review. Such Purchaser understands that no United States federal or state agency or any other government or governmental agency has passed on or made any recommendation or endorsement of the Securities or the fairness or suitability of the investment in the Securities nor have such authorities passed upon or endorsed the merits of the offering of the Securities.

(n) Regulation M. Such Purchaser is aware that the anti-manipulation rules of Regulation M under the Exchange Act may apply to sales of Common Stock and other activities with respect to the Common Stock by the Purchasers.

(o) Beneficial Ownership. Other than Purchasers with holdings of Company securities in excess of the Threshold Amount prior to any purchases pursuant to this Agreement ("*Existing Investors*"), the purchase by such Purchaser of the Shares and Warrants issuable to it at the Closing will not (either with or without aggregating such Securities with the Warrant Shares for which such Purchaser's Warrants are exercisable) result in such Purchaser (individually or together with any other Person with whom such Purchaser has identified, or will have identified, itself as part of a "group" in a public filing made with the Commission involving the Company's securities) (when added to any other securities of the Company that it or they then own or have the right to acquire) acquiring, or obtaining the right to acquire, in excess of the Threshold Amount on a post transaction basis that assumes that such Closing shall have occurred. Other than Existing Investors, such Purchaser does not presently intend to, alone or together with others, make a public filing with the Commission to disclose that it has (or that it together with such other Persons have) acquired, or obtained the right to acquire, as a result of such Closing (when added to any other securities of the Company that it or they then own or have the right to acquire), in excess of the Threshold Amount on a post transaction basis that assumes that each Closing shall have occurred.

(p) Residency. Such Purchaser's residence (if an individual) or offices in which its investment decision with respect to the Securities was made (if an entity) are located at the address immediately below such Purchaser's name on its signature page hereto.

(q) Anti-Money Laundering Laws. Such Purchaser represents and warrants to, and covenants with, the Company that: (i) such Purchaser is in compliance with the regulations administered by the U.S. Department of the Treasury ("*Treasury*") Office of Foreign Assets Control; (ii) such Purchaser, its parents, subsidiaries, affiliated companies, officers, directors and partners, and to such Purchaser's knowledge, its stockholders, owners, employees, and agents, are not on the List of Specially Designated Nationals and Blocked Persons maintained by Treasury and have not been designated by Treasury as a financial institution of primary money laundering concern subject to special measures under Section 311 of the USA PATRIOT Act, Pub. L. 107-56; (iii) to such Purchaser's knowledge, the funds to be used to acquire the Securities are not derived from activities that contravene applicable anti-money laundering laws and regulations; (iv) such Purchaser is in compliance with all other applicable anti money laundering laws and regulations and has implemented anti money laundering procedures that comply with applicable anti-money laundering laws and regulations, including, as applicable, the requirements of the Bank Secrecy Act, as amended by the USA PATRIOT Act, Pub. L. 107 56; and (v) to the best of its knowledge (A) none of the funds to be provided by such Purchaser are being tendered on behalf of a person or entity who has not been identified to such Purchaser, and (B) upon the reasonable request of the Company, such Purchaser agrees to re-certify in writing the representations, warranties and covenants provided in this paragraph.

(r) No "Bad Actor" Disqualification Events. Neither (i) the Purchaser, (ii) any of its directors, executive officers, other officers that may serve as a director or officer of any company in which it invests, general partners or managing members, nor (iii) any beneficial owner of the Company's voting equity securities (in accordance with Rule 506(d) of the Securities Act) held by the Purchaser is subject to any Disqualification Event, except for Disqualification Events covered by Rule 506(d)(2)(ii) or (iii) or (d)(3) under the Securities Act and disclosed reasonably in advance of the Closing in writing in reasonable detail to the Company.

(s) Representations by Non-United States Persons. If Purchaser is not a United States person, the Purchaser hereby represents that the Purchaser has satisfied the laws of the Purchaser's jurisdiction in connection with any invitation to subscribe for the Securities or any use of the Transaction Documents, including (i) the legal requirements within the Purchaser's jurisdiction for the purchase of the Securities, (ii) any foreign exchange restrictions applicable to such purchase, (iii) any governmental or other consents that may need to be obtained and (iv) the income tax and other tax consequences, if any, that may be relevant to the purchase, holding, redemption, sale or transfer of the Securities. The Purchaser's subscription and payment for, and the Purchaser's continued beneficial ownership of, the Securities will not violate any applicable securities or other laws of the Purchaser's jurisdiction.

The Company and each of the Purchasers acknowledge and agree that (i) no party to this Agreement has made or makes any representations or warranties with respect to the transactions contemplated hereby other than those specifically set forth in this Article III and the Transaction Documents, (ii) the Placement Agents are acting as Placement Agents on a "best efforts" basis for the offering of the Shares and the Warrants and will be compensated by the Company for acting in such capacity, (iii) the Placement Agents have not made, and will not make, any representations and warranties with respect to the Company or the transactions contemplated hereby, and such Purchaser will not rely on any statements made by the Placement Agents, orally or in writing, to the contrary, (iv) neither the Placement Agents nor any of their Affiliates or any of their representatives (A) has any duties or obligations other than those specifically set forth herein or in the engagement letter(s) between the Company and one or more of the Placement Agents for the offering of the

Shares and the Warrants; (B) shall be liable for any improper payment made in accordance with the information provided by the Company; (C) makes any representation or warranty, or has any responsibilities as to the validity, accuracy, value or genuineness of any information, certificates or documentation delivered by or on behalf of the Company pursuant to this Agreement or the other Transaction Documents or in connection with any of the transactions contemplated hereby and thereby; or (D) shall be liable (1) for any action taken, suffered or omitted by any of them in good faith and reasonably believed to be authorized or within the discretion or rights or powers conferred upon it by this Agreement or any other Transaction Documents or (2) for anything which any of them may do or refrain from doing in connection with this Agreement or any other Transaction Document and (v) the Placement Agents, their Affiliates and their representatives shall be entitled to (A) rely on, and shall be protected in acting upon, any certificate, instrument, opinion, notice, letter or any other document or security delivered to any of them by or on behalf of the Company, including the representations made by the Company and the Purchasers herein, and (B) be indemnified by the Company for acting as the Placement Agents hereunder pursuant to the indemnification provisions set forth in the engagement letter(s) between the Company and one or more of the Placement Agents for the offering of the Shares and the Warrants. Each Purchaser acknowledges that the Placement Agents are acting solely as placement agents in connection with the execution, delivery and performance of the Transaction Documents and are not acting as underwriters or in any other capacity and are not and shall not be construed as fiduciaries or financial advisors for such Purchaser, the Company or any other person or entity in connection with the execution, delivery and performance of the Transaction Documents.

ARTICLE IV.

OTHER AGREEMENTS OF THE PARTIES

4.1 Transfer Restrictions.

(a) Compliance with Laws. Notwithstanding any other provision of this Article IV, each Purchaser covenants that the Securities may be disposed of only pursuant to an effective registration statement under, and in compliance with the requirements of, the Securities Act, or pursuant to an available exemption from, or in a transaction not subject to, the registration requirements of the Securities Act, and in compliance with any applicable state and federal securities laws. In connection with any transfer of the Securities other than (i) pursuant to an effective registration statement, (ii) to the Company, (iii) pursuant to Rule 144 (*provided* that the Purchaser provides the Company with reasonable assurances (in the form of seller and, if applicable, broker representation letters) that the securities may be sold pursuant to such rule) or (iv) in connection with a bona fide pledge, as contemplated in Section 4.1(b), the Company may require the transferor thereof to provide to the Company an opinion of counsel selected by the transferor and reasonably acceptable to the Company, the form and substance of which opinion shall be reasonably satisfactory to the Company, to the effect that such transfer does not require registration of such transferred Securities under the Securities Act or applicable state securities law. As a condition of transfer, any such transferee shall agree in writing to be bound by the terms of this Agreement and shall have the rights and obligations of a Purchaser under this Agreement with respect to such transferred Securities.

(b) Legends. Any certificates or book-entry notations shall bear any legend as required by the “blue sky” laws of any state and a restrictive legend in substantially the following form, until such time as they are not required under Section 4.1(c):

THE OFFER AND SALE OF THESE SECURITIES AND THE SECURITIES ISSUABLE UPON EXERCISE OF THESE SECURITIES HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE “SECURITIES ACT”), OR ANY APPLICABLE STATE SECURITIES LAWS. THE SECURITIES MAY NOT BE OFFERED FOR SALE, SOLD, TRANSFERRED, ASSIGNED OR OTHERWISE DISPOSED OF (1) IN THE ABSENCE OF (A) AN EFFECTIVE REGISTRATION STATEMENT FOR THE

SECURITIES UNDER THE SECURITIES ACT OR (B) AN AVAILABLE EXEMPTION FROM, OR IN A TRANSACTION NOT SUBJECT TO, THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT AND IN EACH CASE IN ACCORDANCE WITH APPLICABLE STATE SECURITIES LAWS OR BLUE SKY LAWS AS EVIDENCED BY A LEGAL OPINION OF COUNSEL REASONABLY SATISFACTORY TO THE COMPANY AND ITS TRANSFER AGENT OR (II) UNLESS SOLD PURSUANT TO RULE 144 UNDER THE SECURITIES ACT. NOTWITHSTANDING THE FOREGOING, THE SECURITIES MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT OR OTHER LOAN OR FINANCING ARRANGEMENT SECURED BY THE SECURITIES; PROVIDED THAT IN CONNECTION WITH ANY FORECLOSURE OR TRANSFER OF THE SECURITIES, THE TRANSFEROR SHALL COMPLY WITH THE PROVISIONS HEREIN, IN THE SECURITIES PURCHASE AGREEMENT, AND UPON FORECLOSURE OR TRANSFER OF THE SECURITIES, SUCH FORECLOSING PERSON OR TRANSFEREE SHALL COMPLY WITH ALL PROVISIONS CONTAINED HEREIN, IN THE SECURITIES PURCHASE AGREEMENT.

The Company acknowledges and agrees that a Purchaser may from time to time pledge, and/or grant a security interest in, some or all of the legended Securities in connection with applicable securities laws, pursuant to a bona fide margin agreement in compliance with a bona fide margin loan. Such a pledge would not be subject to approval or consent of the Company and no legal opinion of legal counsel to the pledgee, secured party or pledgor shall be required in connection with the pledge, but such legal opinion shall be required in connection with a subsequent transfer or foreclosure following default by the Purchaser transferee of the pledge. No notice shall be required of such pledge, but Purchaser shall promptly notify the Company of any such subsequent transfer or foreclosure. Each Purchaser acknowledges that the Company shall not be responsible for any pledges relating to, or the grant of any security interest in, any of the Securities or for any agreement, understanding or arrangement between any Purchaser and its pledgee or secured party. At the appropriate Purchaser's expense, the Company will execute and deliver such reasonable documentation as such Purchaser may reasonably request in connection with a pledge or transfer of the Securities, including the preparation and filing of any required prospectus supplement under Rule 424(b)(3) of the Securities Act or other applicable provision of the Securities Act to appropriately amend the list of selling stockholders thereunder. Each Purchaser acknowledges and agrees that, except as otherwise provided in Section 4.1(c), any Securities subject to a pledge or security interest as contemplated by this Section 4.1(b) shall continue to bear the legend set forth in this Section 4.1(b) and be subject to the restrictions on transfer set forth in Section 4.1(a).

(c) Removal of Legends. The legend set forth in Section 4.1(b) above shall be removed and the Company shall issue a book-entry notation (or certificate, as applicable) to such holder or issue to such holder by electronic delivery at the applicable balance account at the Depository Trust Company ("DTC"), if (i) such Securities are registered for resale under the Securities Act (*provided* that, if the Purchaser is selling pursuant to the effective registration statement registering the Securities for resale, the Purchaser hereby agrees to only sell such Securities during such time that such registration statement is effective and not withdrawn or suspended, and only as permitted by such registration statement), (ii) such Securities are sold or transferred pursuant to Rule 144 (if the transferor is not an Affiliate of the Company and assuming cashless exercise of the Warrants), or (iii) such Securities are eligible for sale under Rule 144, without the requirement for the Company to be in compliance with the current public information required under Rule 144 as to such Securities and without volume or manner-of-sale restrictions (assuming cashless exercise of the Warrants). Following the earlier of (i) the Effective Date and (ii) Rule 144 becoming available for the resale of Securities, without the requirement for the Company to be in compliance with the current public information required under Rule 144 as to such Securities and without volume or manner-of-sale restrictions, the Company shall cause

Company Counsel to issue to the Transfer Agent a legal opinion. Any fees (with respect to the Transfer Agent, Company Counsel or otherwise) associated with the issuance of such opinion or the removal of such legend shall be borne by the Company. Following the Effective Date, or at such earlier time as a legend is no longer required for certain Securities, the Company will promptly following the delivery by a Purchaser to the Company (with written notice to the Company) of (i) a book-entry notation representing Shares or Warrant Shares (endorsed or with stock powers attached, signatures guaranteed, and otherwise in the form necessary to affect the reissuance and/or transfer) and an opinion of counsel to the extent required by Section 4.1(a), or (ii) an Exercise Notice (as defined in the Warrants) in the manner stated in the Warrants to effect the exercise of such Warrant in accordance with its terms (such date, the “*Legend Removal Date*”), deliver or cause to be delivered to such Purchaser a book-entry notation free from all restrictive and other legends. The Company may not make any notation on its records or give instructions to the Transfer Agent that enlarge the restrictions on transfer set forth in this Section 4.1(c). Book-entry notations subject to legend removal hereunder may be transmitted by the Transfer Agent to the Purchasers by crediting the account of the Purchaser’s prime broker with DTC as directed by such Purchaser.

(d) Irrevocable Transfer Agent Instructions. The Company shall issue irrevocable instructions to its transfer agent, and any subsequent transfer agent to issue to the Purchasers (or in such nominee’s name(s) as designated by a Purchaser) book-entry notations representing the Shares set forth under “Number of Shares to be Acquired” on the signature pages hereto (the “*Irrevocable Transfer Agent Instructions*”). The Company represents and warrants that no instruction other than the Irrevocable Transfer Agent Instructions referred to in this Section 4.1(d) (or instructions that are consistent therewith) will be given by the Company to the Transfer Agent in connection with this Agreement (other than those instructions contemplated in Section 2.2(a)(iv)) and that the Securities shall otherwise be freely transferable on the books and records of the Company as and to the extent provided in this Agreement and the other Transaction Documents and applicable law. The Company acknowledges that a breach by it of its obligations under this Section 4.1(d) will cause irreparable harm to a Purchaser. Accordingly, the Company acknowledges that the remedy at law for a breach of its obligations under this Section 4.1(d) will be inadequate and agrees, in the event of a breach by the Company of the provisions of this Section 4.1(d), that a Purchaser shall be entitled, in addition to all other available remedies, to an order and/or injunction restraining any breach and requiring immediate issuance and transfer, without the necessity of showing economic loss and without any bond or other security being required.

(e) Remedies. In addition to such Purchaser’s other available remedies, the Company shall pay to a Purchaser, in cash, (i) as partial liquidated damages and not as a penalty, for each \$1,000 of Shares or Warrant Shares (based on the VWAP of the Shares on the date such Securities are submitted to the Transfer Agent) delivered for removal of the restrictive legend and subject to Section 4.1(c), \$10 per Trading Day (increasing to \$20 per Trading Day with respect to any Trading Day that is five (5) Trading Days after such damages have begun to accrue) for each Trading Day after the Legend Removal Date until such certificate or other instrument is delivered without a legend and (ii) if the Company fails to (a) issue and deliver (or cause to be delivered) to a Purchaser by the Legend Removal Date a certificate or other instrument representing the Securities so delivered to the Company by such Purchaser that is free from all restrictive and other legends and (b) if after the Legend Removal Date such Purchaser purchases (in an open market transaction or otherwise) Common Stock to deliver in satisfaction of a sale by such Purchaser of all or any portion of the number of Shares, or a sale of a number of Shares equal to all or any portion of the number of Shares, that such Purchaser anticipated receiving from the Company without any restrictive legend, then an amount equal to the excess of such Purchaser’s total purchase price (including brokerage commissions and other out-of-pocket expenses, if any) for the Common Stock so purchased (including brokerage commissions and other out-of-pocket expenses, if any) (the “*Buy-In Price*”) over the product of (A) such number of Shares or Warrant Shares that the Company was required to deliver to such Purchaser by the Legend Removal Date multiplied by (B) the lowest closing sale price of the Shares on any Trading Day during the period commencing on the date of the delivery by such Purchaser to the Company of the applicable Shares or Warrant Shares (as the case may be) and ending on the date of such delivery and payment under this clause (ii).

(f) **Acknowledgement.** Each Purchaser hereunder acknowledges its primary responsibilities under the Securities Act and accordingly will not sell or otherwise transfer the Securities or any interest therein without complying with the requirements of the Securities Act. While the Registration Statement remains effective, each Purchaser hereunder may sell the Shares and the Warrant Shares in accordance with the plan of distribution contained in the Registration Statement and if it does so it will comply therewith and with the related prospectus delivery requirements unless an exemption therefrom is available. Each Purchaser, severally and not jointly with the other Purchasers, agrees that if it is notified by the Company in writing at any time that the Registration Statement registering the resale of the Shares and the Warrant Shares is not effective or that the prospectus included in such Registration Statement no longer complies with the requirements of Section 10 of the Securities Act, the Purchaser will refrain from selling such Shares and the Warrant Shares until such time as the Purchaser is notified by the Company that such Registration Statement is effective or such prospectus is compliant with Section 10 of the Securities Act, unless such Purchaser is able to, and does, sell such Shares and the Warrant Shares pursuant to an available exemption from the registration requirements of Section 5 of the Securities Act. Both the Company and its Transfer Agent, and their respective directors, officers, employees and agents, may rely on this Section 4.1(e) and each Purchaser hereunder will indemnify and hold harmless each of such persons from any breaches or violations of this Section 4.1(e).

4.2 **Reservation of Common Stock.** The Company shall take all action necessary to at all times have authorized, and reserved for the purpose of issuance from and after the Closing Date, the number of shares of Common Stock issuable upon exercise of the Warrants issued at the Closing (without taking into account any limitations on exercise of the Warrants set forth in the Warrants).

4.3 **Furnishing of Information.** In order to enable the Purchasers to sell the Securities under Rule 144, for a period of twelve (12) months from the Closing, the Company shall use its commercially reasonable efforts 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. During such twelve (12) month period, if the Company is not required to file reports pursuant to the Exchange Act, it will prepare and furnish to the Purchasers and make publicly available in accordance with Rule 144(c) such information as is required for the Purchasers to sell the Securities under Rule 144.

4.4 **Integration.** The Company shall not, and shall use its commercially reasonable efforts to ensure that no Affiliate of the Company shall, 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 will 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 Securities to the Purchasers, or that will 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 stockholder approval prior to the closing of such other transaction unless stockholder approval is obtained before the closing of such subsequent transaction.

4.5 **Securities Laws Disclosure; Publicity.** By 9:00 A.M., New York City time, on the Trading Day immediately following the date hereof, the Company shall issue a press release, which shall have been previously reviewed by counsel for the Placement Agents (the "*Press Release*"), disclosing the material terms of the transactions contemplated hereby. Within four Business Days from the date hereof, the Company will file a Current Report on Form 8-K with the Commission, which shall have been previously reviewed by counsel for the Placement Agents, describing the terms of the Transaction Documents (and including as exhibits to such Current Report on Form 8-K the material Transaction Documents (including, without limitation, this Agreement and the form of Warrant)). From and after the issuance of the Press Release, no Purchaser shall be in possession of any material, non-public information regarding the Company or its

Subsidiaries received from the Company, any Subsidiary or any of their respective officers, directors, employees or agents, that is not disclosed in the Press Release unless a Purchaser shall have executed a written agreement regarding the confidentiality and use of such information. Each Purchaser, severally and not jointly with the other Purchasers, covenants that until such time as the transactions contemplated by this Agreement are required to be publicly disclosed by the Company as described in this Section 4.5, such Purchaser will maintain the confidentiality of all disclosures made to it in connection with this transaction (including the existence and terms of this transaction). Subject to the foregoing, neither the Company nor any Purchaser shall issue any press releases or any other public statements with respect to the transactions contemplated hereby except as may be reviewed and approved by the Company and counsel for the Placement Agents; provided, however, that the Company shall be entitled, without the prior approval of any Purchaser, to make any press release or other public disclosure as is required by applicable law and regulations.

4.6 Stockholder Rights Plan. 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 “*Acquiring Person*” 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, in either case solely by virtue of receiving Securities under the Transaction Documents or under any other written agreement between the Company and the Purchasers; *provided, however*, that no such Purchaser owns any equity in the Company prior to its purchase of the Securities hereunder.

4.7 Non-Public Information.

(a) In the event that any Purchaser receives material, non-public information regarding the Company or any Subsidiaries while evaluating the transactions contemplated by the Transaction Documents, including this Agreement, the Company covenants and agrees that (i) such Purchaser shall be cleansed of such material, non-public information by 8:00 am ET on the Trading Day following the Closing Date and (ii) the Company shall publicly disclose such material, non-public information, including the information set forth on Exhibit E hereto, within four Trading Days of the Closing Date on a Current Report on Form 8-K.

(b) Except with respect to the material terms and conditions of the transactions contemplated by the Transaction Documents, including this Agreement, or as expressly required by any applicable securities law, 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 regarding the Company that the Company believes constitutes material non-public information regarding the Company or its Subsidiaries without the express written consent of such Purchaser, unless prior thereto such Purchaser shall have executed a written agreement regarding the confidentiality and use of such information. 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 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 its officers, directors, agents, employees or Affiliates, or a duty to the Company or any of its officers, directors, agents, employees or Affiliates 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 or any Subsidiaries, the Company shall simultaneously 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.

4.8 Principal Trading Market Listing. In the time and manner required by the Principal Trading Market, the Company shall prepare and file with such Principal Trading Market an additional shares listing application covering all of the Shares and the Warrant Shares and shall use its commercially reasonable efforts to take all steps necessary to cause all of the Shares and the Warrant Shares to be approved for listing on the Principal Trading Market as promptly as possible thereafter.

4.9 Form D; Blue Sky. The Company agrees to timely file a Form D with respect to the Securities as required under Regulation D. The Company, on or before the Closing Date, shall take such action as the Company shall reasonably determine is necessary in order to obtain an exemption for or to qualify the Securities for sale to the Purchasers under applicable securities or “Blue Sky” laws of the states of the United States (or to obtain an exemption from such qualification).

4.10 Delivery of Shares and Warrants After Closing. Subject to the satisfaction of each Purchaser’s obligations under the Transaction Documents, the Company shall deliver, or cause to be delivered, a book-entry statement evidencing the Shares within one Trading Day after the Closing and physical Warrants purchased by each Purchaser to such Purchaser within three Trading Days of the Closing Date.

4.11 Short Sales and Confidentiality After The Date Hereof. Such Purchaser shall not, and shall cause its Trading Affiliates not to, engage, directly or indirectly, in any transactions in the Company’s securities (including, without limitation, any Short Sales involving the Company’s securities) during the period from the date hereof until the earlier of such time as (i) the transactions contemplated by this Agreement are first publicly announced as required by and described in Section 4.5 and (ii) this Agreement is terminated in full pursuant to Section 6.18. 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 as described in Section 4.5, such Purchaser will maintain the confidentiality of the existence and terms of this transaction and the information included in the Transaction Documents. Notwithstanding the foregoing, no Purchaser makes any representation, warranty or covenant hereby that it will not engage in Short Sales in the securities of the Company after the time that the transactions contemplated by this Agreement are first publicly announced as described in Section 4.5; *provided, however*, each Purchaser agrees, severally and not jointly with any Purchasers, that they will not enter into any Net Short Sales (as hereinafter defined) from the period commencing on the Closing Date and ending on the earliest of (x) the Effective Date of the initial Registration Statement, (y) the twelve (12) month anniversary of the Closing Date and (z) the date that such Purchaser no longer holds any Securities. For purposes of this Section 4.11, a “*Net Short Sale*” by any Purchaser shall mean a sale of Common Stock by such Purchaser that is marked as a short sale and that is made at a time when there is no equivalent offsetting long position in Common Stock held by such Purchaser. For purposes of determining whether there is an equivalent offsetting position in Common Stock held by the Purchaser, Warrant Shares that have not yet been issued pursuant to the exercise of Warrants shall be deemed to be held long by the Purchaser, and the amount of shares of Common Stock held in a long position shall be all Shares and unexercised Warrant Shares (ignoring any exercise limitations included therein) issuable to such Purchaser on such date, plus any shares of Common Stock or Common Stock Equivalents otherwise then held by such Purchaser. Notwithstanding the foregoing, in the event that a Purchaser 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 representation set forth above shall apply only with respect to the portion of assets managed by the portfolio manager that have knowledge about the financing transaction contemplated by this Agreement. Moreover, notwithstanding the foregoing, in the event that a Purchaser has sold Securities pursuant to Rule 144 prior to the Effective Date of the initial Registration Statement and the Company has failed to issue Securities without legends prior to the settlement date for such sale (assuming that such Securities meet the requirements set forth in Section 4.1(c) for the removal of legends), the provisions of this Section 4.11 shall not prohibit the Purchaser from entering into Net Short Sales for the purpose of delivering shares of Common Stock in settlement of such sale. Each Purchaser understands and acknowledges, severally and not jointly with any other Purchaser, that the Commission currently takes the position that covering a short position established prior to effectiveness of a resale registration statement with shares included in such registration statement would be a violation of Section 5 of the Securities Act, as set forth in Item 65, Section 5 under Section A, of the Manual of Publicly Available Telephone Interpretations, dated July 1997, compiled by the Office of Chief Counsel, Division of Corporation Finance.

4.12 Subsequent Equity Sales.

(a) Until the date that is thirty (30) days after the date the Registration Statement is declared effective by the Commission, neither the Company nor any Subsidiary shall (x) issue, enter into any agreement to issue or announce the issuance or proposed issuance of any Common Stock or Common Stock Equivalents or (y) file any registration statement or any amendment or supplement thereto, in each case other than as contemplated pursuant to the Transaction Documents.

(b) From the date hereof until the one-year anniversary of the date hereof, the Company shall be prohibited from effecting or entering into an agreement to effect any issuance by the Company or any of its Subsidiaries of Common Stock or Common Stock Equivalents (or a combination of units thereof) involving a Variable Rate Transaction. “*Variable Rate Transaction*” means a transaction in which the Company (i) issues or sells any debt or equity securities that are convertible into, exchangeable or exercisable for, or include the right to receive additional Common Stock either (A) at a conversion price, exercise price or exchange rate or other price that is based upon, and/or varies with, the trading prices of or quotations for the Common Stock at any time after the initial issuance of such debt or equity securities, or (B) with a conversion, exercise or exchange price that is subject to being reset at some future date after the initial issuance of such debt or equity security or upon the occurrence of specified or contingent events directly or indirectly related to the business of the Company or the market for the Common Stock or (ii) enters into, or effects a transaction under, any agreement, including, but not limited to, an equity line of credit, whereby the Company may issue securities at a future determined price. For the avoidance of doubt, entering into or making sales under an at-the-market offering facility shall not be considered a Variable Rate Transaction. Any Purchaser shall be entitled to obtain injunctive relief against the Company to preclude any such issuance, which remedy shall be in addition to any right to collect damages.

4.13 Registration Rights of Purchasers.

(a) Mandatory Registration. The Company shall prepare, and, as soon as practicable but in no event later than thirty (30) days after the Closing Date (the “*Filing Deadline*”), file with the Commission a Registration Statement under the Securities Act on appropriate form covering the resale of the full amount of the Shares and the Warrant Shares (the “*Registrable Securities*”). The Company shall use its commercially reasonable efforts to have the Registration Statement declared effective by the Commission as soon as practicable, but in no event later than the date (the “*Effectiveness Deadline*”), which shall be either: (i) in the event that the Commission does not review the Registration Statement, ninety (90) days after the Closing Date, or (ii) in the event that the Commission reviews the Registration Statement, one hundred and twenty (120) days after the Closing Date (but in any event, no later than four Business Days following the Commission indicating that it has no further comments on the Registration Statement). Subject to any comments from the Staff, such Registration Statement shall include the plan of distribution attached hereto as Exhibit B; provided, however, that no Purchaser shall be named as an “underwriter” in the Registration Statement without the Purchaser’s prior written consent. Such Registration Statement shall not include any shares of Common Stock or other securities for the account of any other holder without the prior written consent of the Purchasers beneficially owning (as determined pursuant to Rule 13d-3 under the Exchange Act) a majority of the Shares.

(b) Rule 415; Cutback. If at any time the Staff takes the position that the offering of some or all of the Registrable Securities in a Registration Statement is not eligible to be made on a delayed or continuous basis under the provisions of Rule 415 under the Securities Act or requires any Purchaser to be named as an “underwriter,” the Company shall use its reasonable best efforts to persuade the Commission that the offering contemplated by the Registration Statement is a valid secondary offering and not an offering “by

or on behalf of the issuer” as defined in Rule 415 and that none of the Purchasers is an “underwriter.” In the event that, despite the Company’s reasonable best efforts and compliance with the terms of this Section 4.13(b), the Staff refuses to alter its position, the Company shall (i) remove from the Registration Statement such portion of the Registrable Securities (the “*Cut Back Shares*”) and/or (ii) agree to such restrictions and limitations on the registration and resale of the Registrable Securities as the Staff may require to assure the Company’s compliance with the requirements of Rule 415 (collectively, the “*SEC Restrictions*”); provided, however, that the Company shall not agree to name any Purchaser as an “underwriter” in such Registration Statement without the prior written consent of such Purchaser. Any cutback imposed on the Purchasers pursuant to this Section 4.13(b) shall be allocated among the Purchasers on a pro rata basis, unless the SEC Restrictions otherwise require or provide or the Purchasers otherwise agree. No liquidated damages shall accrue as to any Cut Back Shares until such date as the Company is able to effect the registration of such Cut Back Shares in accordance with any SEC Restrictions (such date, the “*Restriction Termination Date*” of such Cut Back Shares). From and after the Restriction Termination Date applicable to any Cut Back Shares, all of the provisions of this Section 4.13 (including the liquidated damages provisions) shall again be applicable to such Cut Back Shares; provided, however, that (x) the Filing Deadline for the Registration Statement including such Cut Back Shares shall be ten Business Days after such Restriction Termination Date, and (y) the Effectiveness Deadline with respect to such Cut Back Shares shall be the ninetieth (90th) day immediately after the Restriction Termination Date or the one hundred and twentieth (120th) day if the Staff reviews such Registration Statement (but in any event no later than three (3) Business Days from the Staff indicating it has no further comments on such Registration Statement).

(c) Effect of Failure to File and Obtain and Maintain Effectiveness of Registration Statement. Subject to Section 4.13(b), if either: (a) a Registration Statement covering all of the Registrable Securities required to be covered thereby and required to be filed by the Company pursuant to this Agreement is: (i) not filed with the Commission on or before the Filing Deadline (a “*Filing Failure*”), or (ii) not declared effective by the Commission on or before the Effectiveness Deadline (an “*Effectiveness Failure*”), or (b) on any day during the Reporting Period and after the Effective Date, sales of all of the Registrable Securities required to be included on such Registration Statement cannot be made (other than (i) during an Allowable Grace Period (as defined below) or (ii) if the Registration Statement is on Form S-1, for a period of fifteen (15) days following the date the Company files a post-effective amendment to incorporate the Company’s Annual Report on Form 10-K pursuant to such Registration Statement (including, without limitation, because of a failure to keep such Registration Statement effective, to disclose such information as is necessary for sales to be made pursuant to such Registration Statement or to register a sufficient number of shares of Common Stock) (a “*Maintenance Failure*”), then, in addition to any other rights the holders may have under the Transaction Documents or under applicable law, the Company shall pay to each holder of Registrable Securities relating to such Registration Statement an amount in cash equal to one percent (1.0%) of such holder’s Pro Rata Interest in the Aggregate Purchase Price on each of the following dates: (x) the day of a Filing Failure and on every thirtieth (30th) day (prorated for periods totaling less than thirty (30) days) thereafter until such Filing Failure is cured; (y) the day of an Effectiveness Failure and on every thirtieth (30th) day (prorated for periods totaling less than thirty (30) days) thereafter until such Effectiveness Failure is cured; and (z) the initial day of a Maintenance Failure and on every thirtieth (30th) day (prorated for periods totaling less than thirty (30) days) thereafter until such Maintenance Failure is cured. The payments to which a holder shall be entitled pursuant to this Section 4.13(c) are referred to herein as “*Registration Delay Payments*”; provided, that no Registration Delay Payments shall be required following the termination of the Reporting Period; provided further, that in no event shall the aggregate Registration Delay Payments accruing under this Section 4.13(c) exceed six percent (6%) of a holder’s Pro Rata Interest in the Aggregate Purchase Price (i.e., corresponding to a total delay of six months). The first such Registration Delay Payment shall be paid within three (3) Business Days after the event or failure giving rise to such Registration Delay Payment occurred and all other Registration Delay Payments shall be paid on the earlier of (I) the last day of the calendar month during which such Registration Delay Payments are incurred and (II) the third (3rd) Business Day after the event or failure giving rise to the Registration Delay Payments is cured.

(d) Related Obligations. At such time as the Company is obligated to file a Registration Statement with the Commission pursuant to Section 4.13(a) hereof, the Company will use commercially reasonable efforts to effect the registration of the Registrable Securities in accordance with the intended method of disposition thereof and, pursuant thereto, the Company shall have the following obligations:

(i) The Company shall submit to the Commission, within two (2) Business Days after the Company learns that no review of a particular Registration Statement will be made by the Staff or that the Staff has no further comments on a particular Registration Statement, as the case may be, a request for acceleration of effectiveness of such Registration Statement to a time and date not later than two (2) Business Days after the submission of such request. The Company shall keep each Registration Statement effective at all times with respect to each Purchaser's Registrable Securities until the expiration of the Reporting Period. The Company shall ensure that each Registration Statement (including any amendments or supplements thereto and prospectuses contained therein) shall 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 (in the case of prospectuses, in the light of the circumstances in which they were made) not misleading.

(ii) The Company shall prepare and file with the Commission such amendments (including post-effective amendments) and supplements to a Registration Statement and the prospectus used in connection with such Registration Statement, which prospectus is to be filed pursuant to Rule 424 promulgated under the Securities Act, as may be necessary to keep such Registration Statement effective at all times during the Reporting Period, and, during such period, comply with the provisions of the Securities Act with respect to the disposition of all Registrable Securities of the Company covered by such Registration Statement until such time as all of such Registrable Securities shall have been disposed of in accordance with the intended methods of disposition by the seller or sellers thereof as set forth in such Registration Statement.

(iii) Upon request of a Purchaser, the Company shall furnish to such Purchaser without charge, (i) promptly after the Registration Statement including such Purchaser's Registrable Securities is prepared and filed with the Commission, at least one copy of such Registration Statement and any amendment(s) thereto, including financial statements and schedules, all documents incorporated therein by reference, and if requested by the Purchaser, all exhibits and each preliminary prospectus, (ii) upon the effectiveness of any Registration Statement, ten (10) copies of the prospectus included in such Registration Statement and all amendments and supplements thereto (or such other number of copies as the Purchaser may reasonably request) and (iii) such other documents, including copies of any preliminary or final prospectus, as the Purchaser may reasonably request from time to time in order to facilitate the disposition of the Registrable Securities.

(iv) The Company shall notify the Purchasers in writing of the happening of any event, as promptly as practicable after becoming aware of such event, as a result of which the prospectus included in a Registration Statement, as then in effect, includes an untrue statement of a material fact or omission to state a material fact required to be stated therein or necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading (provided that in no event shall such notice contain any material, nonpublic information), and promptly prepare a supplement or amendment to such Registration Statement to correct such untrue statement or omission, and upon request deliver ten (10) copies of such supplement or amendment to the Purchasers (or such other number of copies as the Purchasers may reasonably request). Unless such information is publicly available, the Company shall also promptly notify the Purchasers in writing (a) when a prospectus or any prospectus supplement or post-effective amendment has been filed, and when a Registration Statement or any post-effective amendment has become effective (notification of such effectiveness shall be delivered to the Purchasers by facsimile or email on the same day of such effectiveness), (b) of any request by the Commission for amendments or supplements to a Registration Statement or related prospectus or related information, and (c) of the Company's reasonable determination that a post-effective amendment to a Registration Statement would be appropriate.

(v) The Company shall use commercially reasonable efforts to prevent the issuance of any stop order or other suspension of effectiveness of a Registration Statement, or the suspension of the qualification of any of the Registrable Securities for sale in any jurisdiction and, if such an order or suspension is issued, to obtain the withdrawal of such order or suspension at the earliest possible moment and to notify the Purchaser who holds Registrable Securities being sold of the issuance of such order and the resolution thereof or its receipt of notice of the initiation or threat of any proceeding for such purpose.

(vi) If a Purchaser is required under applicable securities law to be described in the Registration Statement as an underwriter, at the reasonable request of the Purchaser, the Company shall furnish to the Purchaser, on the date of the effectiveness of the Registration Statement and thereafter from time to time on such dates as the Purchaser may reasonably request, (a) a letter, dated such date, from the Company's independent certified public accountants in form and substance as is customarily given by independent certified public accountants to underwriters in an underwritten public offering, addressed to the Purchaser, and (b) an opinion, dated as of such date, of counsel representing the Company for purposes of such Registration Statement, in form, scope and substance as is customarily given in an underwritten public offering, addressed to the Purchaser.

(vii) If a Purchaser is required under applicable securities law to be described in the Registration Statement as an underwriter, upon the written request of the Purchaser in connection with the Purchaser's due diligence requirements, if any, the Company shall make available for inspection by (a) the Purchaser and its legal counsel and (b) one (1) firm of accountants or other agents retained by the Purchaser (collectively, the "Inspectors"), all pertinent financial and other records, and pertinent corporate documents and properties of the Company (collectively, the "Records"), as shall be reasonably deemed necessary by each Inspector solely for the purpose of establishing a due diligence defense under underwriter liability under the Securities Act, and cause the Company's officers, directors and employees to supply all information which any Inspector may reasonably request; provided, however, that each Inspector shall agree to hold in strict confidence and shall not make any disclosure (except to the Purchaser) or use of any Record or other information which the Company determines in good faith to be confidential, and of which determination the Inspectors are so notified, unless (X) the disclosure of such Records is necessary to avoid or correct a misstatement or omission in any Registration Statement or is otherwise required under the Securities Act, (Y) the release of such Records is ordered pursuant to a final, non-appealable subpoena or order from a court or government body of competent jurisdiction, or (Z) the information in such Records has been made generally available to the public other than by disclosure in violation of this Agreement or any other agreement. The Purchaser agrees that it shall, upon learning that disclosure of such Records is sought in or by a court or governmental body of competent jurisdiction or through other means, give prompt notice to the Company and allow the Company, at its expense, to undertake appropriate action to prevent disclosure of, or to obtain a protective order preventing disclosure of, the Records deemed confidential. Nothing herein (or in any other confidentiality agreement between the Company and the Purchaser) shall be deemed to limit the Purchaser's ability to sell Registrable Securities in a manner which is otherwise consistent with applicable laws.

(viii) The Company shall hold in confidence and not make any disclosure of information concerning the Purchasers provided to the Company unless (a) disclosure of such information is necessary to comply with federal or state securities laws, (b) the disclosure of such information is necessary to avoid or correct a misstatement or omission in any Registration Statement, (c) the release of such information is ordered pursuant to a subpoena or other final, non-appealable order from a court or governmental body of competent jurisdiction or (d) such information has been made generally available to the public other than by disclosure in violation of this Agreement or any other agreement. The Company agrees that it shall, upon learning that disclosure of such information concerning the Purchasers is sought in or by a court or governmental body of competent jurisdiction or through other means, give prompt written notice to the Purchasers and allow the Purchasers, at each Purchaser's expense, to undertake appropriate action to prevent disclosure of, or to obtain a protective order preventing disclosure of, such information.

(ix) The Company shall cooperate with the Purchasers and, to the extent applicable, facilitate the timely preparation and delivery of certificates (not bearing any restrictive legend) representing the Registrable Securities to be offered pursuant to a Registration Statement and enable such certificates to be in such denominations or amounts, as the case may be, as the Purchasers may reasonably request and registered in such names as the Purchasers may request.

(x) If requested by a Purchaser, the Company shall, as soon as practicable, (a) incorporate in a prospectus supplement or post-effective amendment such information as the Purchaser reasonably requests to be included therein relating to the sale and distribution of Registrable Securities, including, without limitation, information with respect to the number of Registrable Securities being offered or sold, the purchase price being paid therefor and any other terms of the offering of the Registrable Securities to be sold in such offering; (b) make all required filings of such prospectus supplement or post-effective amendment after being notified of the matters to be incorporated in such prospectus supplement or post-effective amendment; and (c) supplement or make amendments to any Registration Statement if reasonably requested by the Purchaser.

(xi) The Company shall use commercially reasonable efforts to cause the Registrable Securities covered by a Registration Statement to be registered with or approved by such other governmental agencies or authorities as may be necessary to consummate the disposition of such Registrable Securities.

(xii) The Company shall otherwise use commercially reasonable efforts to comply with all applicable rules and regulations of the Commission in connection with any registration hereunder.

(xiii) Within two (2) Business Days after a Registration Statement that covers Registrable Securities is declared effective by the Commission, the Company shall deliver to the transfer agent for such Registrable Securities (with copies to the Purchasers) confirmation that such Registration Statement has been declared effective by the Commission.

(xiv) Notwithstanding anything to the contrary herein, at any time after the Effective Date, the Company may delay the disclosure of material, non-public information concerning the Company the disclosure of which at the time is not, in the good faith opinion of the Board of Directors and its counsel, in the best interest of the Company and, in the opinion of counsel to the Company, otherwise required (a "*Grace Period*"); provided, that the Company shall promptly (a) notify the Purchasers in writing of the existence of material, non-public information giving rise to a Grace Period (provided that in each notice the Company will not disclose the content of such material, non-public information to the Purchasers) and the date on which the Grace Period will begin, and (b) notify the Purchasers in writing of the date on which the Grace Period ends; and, provided further, that the Grace Periods shall not exceed an aggregate of thirty (30) Trading Days during any three hundred and sixty-five (365) day period and the first day of any Grace Period must be at least 15 days after the last day of any prior Grace Period (each, an "*Allowable Grace Period*"). For purposes of determining the length of a Grace Period above, the Grace Period shall begin on and include the date the Purchasers receive the notice referred to in clause (i) and shall end on and include the later of the date the Purchasers receive the notice referred to in clause (ii) and the date referred to in such notice. The provisions of Section 4.13(d)(v) hereof shall not be applicable during the period of any Allowable Grace Period. Upon expiration of the Grace Period, the Company shall again be bound by the first sentence of Section 4.13(d)(iv) with respect to the information giving rise thereto unless such material, non-public information is no longer applicable. Notwithstanding anything to the contrary, the Company shall cause its transfer agent to deliver unlegended shares of Common Stock to a transferee of any Purchaser in accordance with the terms of this Agreement in connection with any sale of Registrable Securities with respect to which a Purchaser has entered into a contract for sale, and delivered a copy of the prospectus included as part of the applicable Registration Statement (unless an exemption from such prospectus delivery requirement exists), prior to the Purchaser's receipt of the notice of a Grace Period and for which the Purchaser has not yet settled.

(xv) Neither the Company nor any Subsidiary or affiliate thereof shall identify any Purchaser as an underwriter in any public disclosure or filing with the Commission or any applicable Trading Market without the prior written consent of such Purchaser, and any Purchaser being deemed an underwriter by the Commission shall not relieve the Company of any obligations it has under this Agreement.

(e) Indemnification by the Company. The Company shall indemnify and hold harmless each Purchaser, the officers, directors, members, partners, agents, investment advisors and 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 each of them, each Person who controls any such Purchaser (within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act) and the officers, directors, members, stockholders, partners, agents and 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 each such controlling Person, to the fullest extent permitted by applicable law, from and against any and all losses, claims, damages, liabilities, costs (including, without limitation, reasonable attorneys' fees) and expenses (collectively, "Losses"), as incurred, arising out of or relating to (1) any untrue or alleged untrue statement of a material fact contained in a Registration Statement, any Prospectus or any form of prospectus or in any amendment or supplement thereto or in any preliminary prospectus, or arising out of or relating to any omission or alleged omission of a material fact required to be stated therein or necessary to make the statements therein (in the case of any Prospectus or supplement thereto, in light of the circumstances under which they were made) not misleading or (2) any violation or alleged violation by the Company of the Securities Act, the Exchange Act or any state securities law, or any rule or regulation thereunder, in connection with the performance of its obligations under this Agreement, except to the extent, but only to the extent, that (i) such untrue statements or omissions are based solely upon information regarding such Purchaser furnished in writing to the Company by such Purchaser expressly for use therein, or to the extent that such information relates to such Purchaser or such Purchaser's proposed method of distribution of Registrable Securities and was reviewed and expressly approved in writing by such Purchaser expressly for use in a Registration Statement, such Prospectus or in any amendment or supplement thereto (it being understood that the Purchaser has approved Exhibit B hereto for this purpose) or (ii) the use by such Purchaser of an outdated, defective or otherwise unavailable Prospectus after the Company has notified such Purchaser in writing that the Prospectus is outdated, defective or otherwise unavailable for use by such Purchaser. The Company shall notify the Purchasers promptly of the institution, threat or assertion of any Proceeding arising from or in connection with the transactions contemplated by this Agreement of which the Company is aware. Such indemnity shall remain in full force and effect regardless of any investigation made by or on behalf of such indemnified person and shall survive the transfer of any Registrable Securities by any of the Purchaser.

(f) Indemnification by Purchaser. Each Purchaser shall, severally and not jointly, indemnify and hold harmless the Company, its directors, officers, agents and employees, each Person who controls the Company (within the meaning of Section 15 of the Securities Act and Section 20 of the Exchange Act), and the directors, officers, agents or employees of such controlling Persons, to the fullest extent permitted by applicable law, from and against all Losses, as incurred, to the extent arising out of or based solely upon: any untrue or alleged untrue statement of a material fact contained in any Registration Statement, any Prospectus, or in any amendment or supplement thereto or in any preliminary prospectus, or arising out of or relating to any omission or alleged omission of a material fact required to be stated therein or necessary to make the statements therein (in the case of any Prospectus or supplement thereto, in light of the circumstances under which they were made) not misleading (i) to the extent, but only to the extent, that such untrue statement or omission is contained in any information so furnished in writing by such Purchaser to the Company expressly for inclusion in such Registration Statement or such Prospectus or (ii) to the extent, but only to the extent, that such information relates to such Purchaser's information provided to the Company for inclusion in the Registration Statement and was reviewed and expressly approved in writing by such Purchaser expressly for use in a Registration Statement (it being understood that the Purchaser has approved Exhibit B hereto for this purpose), such Prospectus or in any amendment or supplement thereto. In no event shall the liability of a

selling Purchaser be greater in amount than the dollar amount of the proceeds (net of all expenses paid by such Purchaser in connection with any claim relating to this Section 4.13(f)) and the amount of any damages such Purchaser has otherwise been required to pay by reason of such untrue statement or omission) received by such Purchaser upon the sale of the Registrable Securities included in the Registration Statement giving rise to such indemnification obligation.

(g) Conduct of Indemnification Proceedings. If any Proceeding shall be brought or asserted against any Person entitled to indemnity hereunder (an “*Indemnified Party*”), such Indemnified Party shall promptly notify the Person from whom indemnity is sought (the “*Indemnifying Party*”) in writing, and the Indemnifying Party shall have the right to assume the defense thereof, including the employment of counsel reasonably satisfactory to the Indemnified Party and the payment of all fees and expenses incurred in connection with defense thereof, provided that the failure of any Indemnified Party to give such notice shall not relieve the Indemnifying Party of its obligations or liabilities pursuant to this Agreement, except (and only) to the extent that it shall be finally determined by a court of competent jurisdiction (which determination is not subject to appeal or further review) that such failure shall have materially and adversely prejudiced the Indemnifying Party.

(i) An Indemnified Party shall have the right to employ separate counsel in any such Proceeding and to participate in the defense thereof, but the fees and expenses of such counsel shall be at the expense of such Indemnified Party or Parties unless: (1) the Indemnifying Party has agreed in writing to pay such fees and expenses, (2) the Indemnifying Party shall have failed promptly to assume the defense of such Proceeding and to employ counsel reasonably satisfactory to such Indemnified Party in any such Proceeding, or (3) the named parties to any such Proceeding (including any impleaded parties) include both such Indemnified Party and the Indemnifying Party, and counsel to the Indemnified Party shall reasonably believe that a material conflict of interest is likely to exist if the same counsel were to represent such Indemnified Party and the Indemnifying Party (in which case, if such Indemnified Party notifies the Indemnifying Party in writing that it elects to employ separate counsel at the expense of the Indemnifying Party, the Indemnifying Party shall not have the right to assume the defense thereof and the reasonable fees and expenses of no more than one separate counsel shall be at the expense of the Indemnifying Party). The Indemnifying Party shall not be liable for any settlement of any such Proceeding effected without its written consent, which consent shall not be unreasonably withheld or delayed. No Indemnifying Party shall, without the prior written consent of the Indemnified Party, effect any settlement of any pending Proceeding in respect of which any Indemnified Party is a party, unless such settlement includes an unconditional release of such Indemnified Party from all liability on claims that are the subject matter of such Proceeding.

(ii) Subject to the terms of this Agreement, all reasonable fees and expenses of the Indemnified Party (including reasonable fees and expenses to the extent incurred in connection with investigating or preparing to defend such Proceeding in a manner not inconsistent with this Section) shall be paid to the Indemnified Party, as incurred, within ten Trading Days of written notice thereof to the Indemnifying Party, provided that the Indemnified Party shall promptly reimburse the Indemnifying Party for that portion of such fees and expenses applicable to such actions for which such Indemnified Party is finally determined by a court of competent jurisdiction (which determination is not subject to appeal or further review) not to be entitled to indemnification hereunder.

(h) Contribution. If the indemnification under Sections 4.13(e) or 4.13(f) is unavailable to an Indemnified Party or insufficient to hold an Indemnified Party harmless for any Losses, then each Indemnifying Party shall contribute to the amount paid or payable by such Indemnified Party, in such proportion as is appropriate to reflect the relative fault of the Indemnifying Party and Indemnified Party in connection with the actions, statements or omissions that resulted in such Losses as well as any other relevant equitable considerations. The relative fault of such Indemnifying Party and Indemnified Party shall be determined by reference to, among other things, whether any action in question, including any untrue or alleged untrue statement of a material fact or omission or alleged omission of a material fact, has been taken or made

by, or relates to information supplied by, such Indemnifying Party or Indemnified Party, and the parties' relative intent, knowledge, access to information and opportunity to correct or prevent such action, statement or omission. The amount paid or payable by a party as a result of any Losses shall be deemed to include, subject to the limitations set forth in this Agreement, any reasonable attorneys' or other fees or expenses incurred by such party in connection with any Proceeding to the extent such party would have been indemnified for such fees or expenses if the indemnification provided for in this Section was available to such party in accordance with its terms. The parties hereto agree that it would not be just and equitable if contribution pursuant to this Section 4.13(h) were determined by pro rata allocation or by any other method of allocation that does not take into account the equitable considerations referred to in the immediately preceding paragraph. In no event shall the contribution obligation of a Purchaser of Registrable Securities be greater in amount than the dollar amount of the proceeds received by it upon the sale of the Registrable Securities giving rise to such contribution obligation. The indemnity and contribution agreements contained in this Section are in addition to any liability that the Indemnifying Parties may have to the Indemnified Parties.

ARTICLE V. CONDITIONS PRECEDENT TO CLOSING

5.1 Conditions Precedent to the Obligations of the Purchasers to Purchase Securities. The obligation of each Purchaser to acquire Shares and Warrants at the Closing is subject to the fulfillment to such Purchaser's satisfaction, on or prior to the Closing Date, of each of the following conditions, any of which may be waived by such Purchaser (as to itself only):

(a) Representations and Warranties. The representations and warranties of the Company contained herein shall be true and correct in all material respects (except for those representations and warranties which are qualified as to materiality or Material Adverse Effect, in which case such representations and warranties shall be true and correct in all respects) as of the date when made and as of the Closing Date, as though made on and as of such date, except for such representations and warranties that speak as of a specific date.

(b) Performance. The Company shall have performed, satisfied and complied in all material respects with all covenants, agreements and conditions required by the Transaction Documents to be performed, satisfied or complied with by it at or prior to the Closing.

(c) No Injunction. No statute, rule, regulation, executive order, decree, ruling or injunction shall have been enacted, entered, promulgated or endorsed by any court or governmental authority of competent jurisdiction that prohibits the consummation of any of the transactions contemplated by the Transaction Documents.

(d) Consents. The Company shall have obtained in a timely fashion any and all consents, permits, approvals, registrations and waivers necessary for consummation of the purchase and sale of the Securities (including all Required Approvals), all of which shall be and remain so long as necessary in full force and effect.

(e) Adverse Changes. Since the date hereof, no event or series of events shall have occurred that has had or would reasonably be expected to have a Material Adverse Effect.

(f) Listing. The Nasdaq Global Market shall have approved the listing of additional shares application for the Shares and the Warrant Shares.

(g) No Suspensions of Trading in Common Stock. The Common Stock shall not have been suspended, as of the Closing Date, by the Commission or the Principal Trading Market from trading on the Principal Trading Market nor shall suspension by the Commission or the Principal Trading Market have been threatened, as of the Closing Date, either (A) in writing by the Commission or the Principal Trading Market or (B) by falling below the minimum listing maintenance requirements of the Principal Trading Market.

(h) Company Deliverables. The Company shall have delivered the Company Deliverables in accordance with Section 2.2(a).

(i) Termination. This Agreement shall not have been terminated as to such Purchaser in accordance with Section 6.18 herein.

5.2 Conditions Precedent to the Obligations of the Company to sell Securities. The Company's obligation to sell and issue the Shares and Warrants at the Closing to the Purchasers is subject to the fulfillment to the satisfaction of the Company on or prior to the Closing Date of the following conditions, any of which may be waived by the Company:

(a) Representations and Warranties. The representations and warranties made by the Purchasers contained herein shall be true and correct in all material respects (except for those representations and warranties which are qualified as to materiality, in which case such representations and warranties shall be true and correct in all respects) as of the date when made, and as of the Closing Date as though made on and as of such date, except for representations and warranties that speak as of a specific date.

(b) Performance. Such Purchaser shall have performed, satisfied and complied in all material respects with all covenants, agreements and conditions required by the Transaction Documents to be performed, satisfied or complied with by such Purchaser at or prior to the Closing Date.

(c) No Injunction. No statute, rule, regulation, executive order, decree, ruling or injunction shall have been enacted, entered, promulgated or endorsed by any court or governmental authority of competent jurisdiction that prohibits the consummation of any of the transactions contemplated by the Transaction Documents.

(d) Consents. The Company shall have obtained in a timely fashion any and all consents, permits, approvals, registrations and waivers necessary for consummation of the purchase and sale of the Securities (including all Required Approvals), all of which shall be and remain so long as necessary in full force and effect.

(e) Purchasers Deliverables. Such Purchaser shall have delivered its Purchaser Deliverables in accordance with Section 2.2(b).

(f) Listing. The Nasdaq Global Market shall have approved the listing of additional shares application for the Shares and the Warrant Shares.

(g) Termination. This Agreement shall not have been terminated as to such Purchaser in accordance with Section 6.18 herein.

ARTICLE VI. MISCELLANEOUS

6.1 Fees and Expenses. The Company and the Purchasers shall each pay the fees and expenses of their respective advisers, counsel, accountants and other experts, if any, and all other expenses incurred by such party in connection with the negotiation, preparation, execution, delivery and performance of this Agreement. The Company shall pay all Transfer Agent fees, stamp taxes and other taxes and duties levied in connection with the sale and issuance of the Securities to the Purchasers; *provided*, that pursuant to Section 6 of the Warrants, the Company shall not be required to pay any tax that may be payable in respect of any transfer involved in the registration of Warrant Shares or the Warrants in a name other than that of the Purchaser or an Affiliate thereof.

6.2 Entire Agreement. The Transaction Documents, together with the exhibits and schedules thereto, contain the entire understanding of the parties with respect to the subject matter hereof and supersede all prior agreements, understandings, discussions and representations, oral or written, with respect to such matters, which the parties acknowledge have been merged into such documents, exhibits and schedules. At or after the Closing, and without further consideration, the Company and the Purchasers will execute and deliver to the other such further documents as may be reasonably requested in order to give practical effect to the intention of the parties under the Transaction Documents.

6.3 Notices. 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 date of transmission, if such notice or communication is delivered via facsimile (*provided* the sender receives a machine-generated confirmation of successful transmission) at the facsimile number specified in this Section 6.3 prior to 5:00 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 specified in this Section 6.3 on a day that is not a Trading Day or later than 5:00 P.M., New York City time, on any Trading Day, (c) the Trading Day following the date of mailing, if sent by U.S. nationally recognized overnight courier service with next day delivery specified, and (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 follows:

If to the Company: Progenity, Inc.
4330 La Jolla Village Drive
San Diego, California 92122
Telephone No.: (855) 293-2639
Email: Clarke.Neumann@progenity.com; with a copy to
legaldeptcontractnotices@progenity.com
Attention: General Counsel

With a copy to (which shall not constitute notice):

Gibson, Dunn & Crutcher LLP
555 Mission Street, Suite 3000
San Francisco, California
Telephone No.: (415) 393-8200
Email: RMurr@gibsondunn.com and BBerns@gibsondunn.com
Attention: Ryan Murr and Branden Berns

If to a Purchaser: To the address set forth under such Purchaser's name on the signature page hereof;

or such other address as may be designated in writing hereafter, in the same manner, by such Person.

6.4 Amendments; Waivers; No Additional Consideration. 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 the Purchasers of at least a majority in interest of the Securities then held by Purchasers, or, in the case of a waiver, by the party against whom enforcement of any such waiver is sought. 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 either party to exercise any right hereunder in any manner impair the exercise of any such right. No consideration shall be offered or paid to any Purchaser to amend or consent to a waiver or modification of any provision of any Transaction Document unless the same consideration is also offered to all Purchasers who then hold Securities.

6.5 Construction. 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. The language used in this Agreement will be deemed to be the language chosen by the parties to express their mutual intent, and no rules of strict construction will be applied against any party. This Agreement shall be construed as if drafted jointly by the parties, and no presumption or burden of proof shall arise favoring or disfavoring any party by virtue of the authorship of any provisions of this Agreement or any of the Transaction Documents.

6.6 Successors and Assigns. The provisions of this Agreement shall inure to the benefit of and be binding upon the parties and their successors and permitted assigns. Except in the case of a Fundamental Transaction as contemplated in the Warrants, this Agreement, or any rights or obligations hereunder, may not be assigned by the Company without the prior written consent of each Purchaser. Any Purchaser may assign its rights hereunder in whole or in part to any Person to whom such Purchaser assigns or transfers any Securities in compliance with the Transaction Documents and applicable law, *provided* such transferee shall agree in writing to be bound, with respect to the transferred Securities, by the terms and conditions of this the Transaction Documents that apply to the “Purchasers.”

6.7 No Third-Party Beneficiaries. 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 the Placement Agents are intended third party beneficiaries of Article III and Section 4.5 hereof.

6.8 Governing Law. All questions concerning the construction, validity, enforcement and interpretation of this Agreement 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 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, employees or agents) shall be commenced exclusively in the New York Courts. Each party hereto hereby irrevocably submits to the exclusive jurisdiction of the New York Courts 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 Proceeding, any claim that it is not personally subject to the jurisdiction of any such New York Court, or that such Proceeding has been commenced in an improper or inconvenient forum. Each party hereto hereby irrevocably waives personal service of process and consents to process being served in any such 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 manner permitted by law. **EACH PARTY HERETO 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 AGREEMENT OR THE TRANSACTIONS CONTEMPLATED HEREBY.**

6.9 Survival. Subject to applicable statute of limitations, the representations, warranties, agreements and covenants contained herein shall survive the Closing and the delivery of the Securities.

6.10 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 the other party, it being understood that both 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, 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 signature page were an original thereof.

6.11 Severability. If any provision of this Agreement is held to be invalid or unenforceable in any respect, the validity and enforceability of the remaining terms and provisions of this Agreement shall not in any way be affected or impaired thereby and the parties will attempt to agree upon a valid and enforceable provision that is a reasonable substitute therefor, and upon so agreeing, shall incorporate such substitute provision in this Agreement.

6.12 Rescission and Withdrawal Right. Notwithstanding anything to the contrary contained in (and without limiting any similar provisions of) the 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, unless such rescission or withdrawal would materially prejudice the Company.

6.13 Replacement of Securities. 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, or in lieu of and substitution therefor, a new certificate or instrument, but only upon receipt of evidence reasonably satisfactory to the Company and the Transfer Agent of such loss, theft or destruction and the execution by the holder thereof of a customary lost certificate affidavit of that fact and an agreement to indemnify and hold harmless the Company and the Transfer Agent for any losses in connection therewith or, if required by the Transfer Agent, a bond in such form and amount as is required by the Transfer Agent. The applicants for a new certificate or instrument under such circumstances shall also pay any reasonable third-party costs associated with the issuance of such replacement Securities. If a replacement certificate or instrument evidencing any Securities is requested due to a mutilation thereof, the Company may require delivery of such mutilated certificate or instrument as a condition precedent to any issuance of a replacement.

6.14 Remedies. 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. Except as expressly set forth in 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 described in the foregoing sentence and hereby agree to waive in any action for specific performance of any such obligation (other than in connection with any action for a temporary restraining order) the defense that a remedy at law would be adequate.

6.15 Payment Set Aside. 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.

6.16 Adjustments in Share Numbers and Prices. In the event of any stock split, subdivision, dividend or distribution to all stockholders of the Company payable in shares of Common Stock (or other securities or rights convertible into, or entitling the holder thereof to receive directly or indirectly shares of Common Stock), combination or other similar recapitalization or event occurring after the date hereof and prior to the Closing, each reference in any Transaction Document to a number of shares or a price per share shall be deemed to be amended to appropriately account for such event.

6.17 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 of the obligations of any other Purchaser under any Transaction Document. The decision of each Purchaser to purchase Securities pursuant to the Transaction Documents has been made by such Purchaser independently of any other Purchaser and independently of any information, materials, statements or opinions as to the business, affairs, operations, assets, properties, liabilities, results of operations, condition (financial or otherwise) or prospects of the Company or any Subsidiary which may have been made or given by any other Purchaser or by any agent or employee of any other Purchaser, and no Purchaser and any of its agents or employees shall have any liability to any other Purchaser (or any other Person) relating to or arising from any such information, materials, statement or opinions. Nothing contained herein or in any Transaction Document, and no action taken by any Purchaser pursuant 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 acknowledges that no other Purchaser has acted as agent for such Purchaser in connection with making its investment hereunder and that no Purchaser will be acting as agent of such Purchaser in connection with monitoring its investment in the Securities or enforcing its rights under 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. Each Purchaser also acknowledges that Gibson, Dunn & Crutcher LLP has rendered legal advice to the Company and not such Purchaser. 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 Purchaser.

6.18 Termination. This Agreement may be terminated and the sale and purchase of the Shares and the Warrants abandoned at any time prior to the Closing by either the Company or any Purchaser (with respect to itself only) upon written notice to the other, if the Closing has not been consummated on or prior to 5:00 P.M., New York City time, on the Outside Date; *provided, however*, that the right to terminate this Agreement under this Section 6.18 shall not be available to any Person whose failure to comply with its obligations under this Agreement has been the cause of or resulted in the failure of the Closing to occur on or before such time. Nothing in this Section 6.18 shall be deemed to release any party from any liability for any breach by such party of the terms and provisions of this Agreement or the other Transaction Documents or to impair the right of any party to compel specific performance by any other party of its obligations under this Agreement or the other Transaction Documents. In the event of a termination pursuant to this Section 6.18, the Company shall promptly notify all non-terminating Purchasers. Upon a termination in accordance with this Section 6.18, the Company and the terminating Purchaser(s) shall not have any further obligation or liability (including arising from such termination) to the other, and no Purchaser will have any liability to any other Purchaser under the Transaction Documents as a result therefrom.

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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.

PROGENITY, INC.

By: /s/ Harry Stylli

Name: Harry Stylli

Title: Chairman and Chief Executive Officer

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NAME OF PURCHASER: _____

By: _____

Name: _____

Title: _____

Tax ID No. _____

Purchase of Shares and Warrants

Subscription Amount: \$ _____

Unit Purchase Price: \$ _____

Number of Shares to Be Acquired: _____

To Be Acquired as Shares of Common Stock: _____

To Be Acquired as Pre-Funded Warrants: _____

Underlying Shares Subject to Warrant: _____ (100% of the Number of Shares to Be Acquired)

Address for Notice:

Telephone No.: _____

Facsimile No.: _____

E-mail Address: _____

Attention: _____

Delivery Instructions:
(if different than above)

c/o _____

Street: _____

City/State/Zip: _____

Attention: _____

Telephone No.: _____

EXHIBITS:

- A-1: Form of Pre-Funded Warrant
- A-2: Form of Warrant
- B: Plan of Distribution
- C: Form of Lock-Up Agreement
- D: List of Directors and Executive Officers Executing Lock-Up Agreements

EXHIBIT A-1

FORM OF PRE-FUNDED WARRANT

(Circulated separately)

EXHIBIT A-2
FORM OF WARRANT
(Circulated separately)

EXHIBIT B

PLAN OF DISTRIBUTION

The selling stockholders, which shall include donees, pledgees, transferees or other successors-in-interest selling shares of common stock or interests in shares of common stock received after the date of this prospectus from a selling stockholder as a gift, pledge, partnership distribution or other transfer, may, from time to time, sell, transfer or otherwise dispose of any or all of their shares of common stock or interests in shares of common stock on any stock exchange, market or trading facility on which the shares are traded or in private transactions. These dispositions may be at fixed prices, at prevailing market prices at the time of sale, at prices related to the prevailing market price, at varying prices determined at the time of sale, or at negotiated prices.

The selling stockholders may use any one or more of the following methods when disposing of shares or interests therein:

- ordinary brokerage transactions and transactions in which the broker-dealer solicits purchasers;
- block trades in which the broker-dealer will attempt to sell the shares as agent, but may position and resell a portion of the block as principal to facilitate the transaction;
- purchases by a broker-dealer as principal and resale by the broker-dealer for its own account;
- an exchange distribution in accordance with the rules of the applicable exchange;
- privately negotiated transactions;
- short sales effected after the date the registration statement of which this prospectus is a part is declared effective by the SEC;
- through the writing or settlement of options or other hedging transactions, whether through an options exchange or otherwise;
- through agreements between broker-dealers and the selling stockholders to sell a specified number of such shares at a stipulated price per share;
- a combination of any such methods of sale; and
- any other method permitted by applicable law.

The selling stockholders may, from time to time, pledge or grant a security interest in some or all of the shares of common stock owned by them and, if they default in the performance of their secured obligations, the pledgees or secured parties may offer and sell the shares of common stock, from time to time, under this prospectus, or under an amendment to this prospectus under Rule 424(b) or other applicable provision of the Securities Act amending the list of selling stockholders to include the pledgee, transferee or other successors in interest as selling stockholders under this prospectus. The selling stockholders also may transfer the shares of common stock in other circumstances, in which case the pledgees, transferees or other successors in interest will be the selling beneficial owners for purposes of this prospectus.

In connection with the sale of our common stock or interests therein, the selling stockholders may enter into hedging transactions with broker-dealers or other financial institutions, which may in turn engage in short sales of the common stock in the course of hedging the positions they assume. The selling stockholders may also sell shares of our common stock short and deliver these securities to close out their short positions, or loan or pledge the common stock to broker-dealers that in turn may sell these securities. The selling stockholders may also enter into options or other transactions with broker-dealers or other financial institutions or the creation of one or more derivative securities which require the delivery to each such broker-dealer or other financial institution of shares offered by this prospectus, which shares such broker-dealer or other financial institution may resell pursuant to this prospectus (as supplemented or amended to reflect such transaction).

The aggregate proceeds to the selling stockholders from the sale of the common stock offered by them will be the purchase price of the common stock less discounts or commissions, if any. Each of the selling stockholders reserves the right to accept and, together with its agents from time to time, to reject, in whole or in part, any proposed purchase of common stock to be made directly or through agents. We will not receive any of the proceeds from this offering.

The selling stockholders also may resell all or a portion of the shares in open market transactions in reliance upon Rule 144 under the Securities Act of 1933, provided that they meet the criteria and conform to the requirements of that rule.

The selling stockholders and any underwriters, broker-dealers or agents that participate in the sale of the common stock or interests therein may be “underwriters” within the meaning of Section 2(11) of the Securities Act. Any discounts, commissions, concessions or profit they earn on any resale of the shares may be underwriting discounts and commissions under the Securities Act. Selling stockholders who are “underwriters” within the meaning of Section 2(11) of the Securities Act will be subject to the prospectus delivery requirements of the Securities Act.

To the extent required, the shares of our common stock to be sold, the names of the selling stockholders, the respective purchase prices and public offering prices, the names of any agents, dealer or underwriter, and any applicable commissions or discounts with respect to a particular offer will be set forth in an accompanying prospectus supplement or, if appropriate, a post-effective amendment to the registration statement that includes this prospectus.

In order to comply with the securities laws of some states, if applicable, the common stock may be sold in these jurisdictions only through registered or licensed brokers or dealers. In addition, in some states the common stock may not be sold unless it has been registered or qualified for sale or an exemption from registration or qualification requirements is available and is complied with.

We have advised the selling stockholders that the anti-manipulation rules of Regulation M under the Exchange Act may apply to sales of shares in the market and to the activities of the selling stockholders and their affiliates. In addition, to the extent applicable we will make copies of this prospectus (as it may be supplemented or amended from time to time) available to the selling stockholders for the purpose of satisfying the prospectus delivery requirements of the Securities Act. The selling stockholders may indemnify any broker-dealer that participates in transactions involving the sale of the shares against certain liabilities, including liabilities arising under the Securities Act.

We have agreed to indemnify the selling stockholders against liabilities, including liabilities under the Securities Act and state securities laws, relating to the registration of the shares offered by this prospectus.

We have agreed with the selling stockholders to keep the registration statement of which this prospectus constitutes a part effective until the earlier of (1) such time as all of the shares covered by this prospectus have been disposed of pursuant to and in accordance with the registration statement or (2) the date on which all of the shares may be sold without restriction pursuant to Rule 144 of the Securities Act.

* * *

EXHIBIT C

FORM OF LOCK-UP AGREEMENT

[Attached.]

Lock-Up Agreement

June 9, 2021

Piper Sandler & Co.

c/o Piper Sandler & Co.
800 Nicollet Mall, Suite 800
Minneapolis, MN 55402

Dear Sirs and Madams:

The undersigned understands that Piper Sandler & Co. proposes to act as the placement agent (the "**Placement Agent**") for Progenity, Inc. and any successor (by merger or otherwise) thereto (the "**Company**"), in connection with a proposed private placement (the "**Offering**") of shares (the "**Shares**") of common stock, par value \$0.001 (the "**Common Stock**") and warrants to purchase shares of Common Stock (the "**Warrants**", and together with the Shares, the "**Securities**") of the Company.

As an inducement to the Placement Agent to continue its efforts in connection with the Offering, the undersigned hereby agrees that without, in each case, the prior written consent of Piper Sandler & Co. during the period specified in the second succeeding paragraph (the "**Lock-Up Period**"), the undersigned will not: (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 Common Stock or any securities convertible into, exercisable or exchangeable for or that represent the right to receive Common Stock (including without limitation, Common Stock which may be deemed to be beneficially owned by the undersigned in accordance with the rules and regulations of the Securities and Exchange Commission 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 agreement that transfers, 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 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 Common Stock or any security convertible into or exercisable or exchangeable for Common Stock; or (4) publicly disclose the intention to do any of the foregoing.

The undersigned agrees that the foregoing restrictions preclude the undersigned from engaging in any hedging or other transaction which is designed to or which reasonably could be expected to lead to or result in a sale or disposition of the Undersigned's Securities even if such of the Undersigned's Securities would be disposed of by someone other than the undersigned. Such prohibited hedging or other transactions would include without limitation any short sale or any purchase, sale or grant of any right (including without limitation any put or call option) with respect to any of the Undersigned's Securities or with respect to any security that includes, relates to, or derives any significant part of its value from the Undersigned's Securities.

The Lock-Up Period will commence on the date of the Securities Purchase Agreement entered into among the Company and the purchasers named therein and continue and include the date 90 days after the date thereof.

Notwithstanding the foregoing, the undersigned may transfer the Undersigned's Securities (i) as a *bona fide* gift or gifts, (ii) to any immediate family member or other dependent of the undersigned, (iii) to any trust for the direct or indirect benefit of the undersigned or the immediate family of the undersigned, (iv) if the undersigned is a corporation, partnership, limited liability company, trust or other business entity (1) transfers to another corporation, partnership, limited liability company, trust or other business entity that is a direct or indirect affiliate (as defined in Rule 405 promulgated under the Securities Act of 1933, as amended) of the undersigned or (2) distributions of shares of Common Stock or any security convertible into or exercisable for Common Stock to limited partners, limited liability company members or equityholders of the undersigned, (v) if the undersigned is a trust, transfers to the beneficiary of such trust, (vi) transfers by testate succession or intestate succession, (vii) by operation of law, including pursuant to an order of a court (including a domestic order or a negotiated divorce settlement) or regulatory agency, or to comply with any regulations related to the undersigned's ownership of the Undersigned's Securities, (viii) to a nominee or custodian of a person or entity to whom a disposition or transfer would be permissible under clauses (i) through (vii) above, or (ix) pursuant to a bona fide third party tender offer, merger, consolidation or other similar transaction made to all holders of Common Stock involving a Change of Control of the Company (including voting in favor of any such transaction or taking any other action in connection with such transaction); *provided*, that in the event that the tender offer, merger, consolidation or other such transaction is not completed, the Undersigned's Securities shall remain subject to the restrictions contained in this Agreement; and *provided further*, that "Change of Control" shall mean the transfer, in one transaction or in a series of related transactions, to a person or group of affiliated persons of the Company's voting securities if, after such transfer, such person or group of affiliated persons would hold more than 50% of the outstanding voting securities of the Company (or the surviving entity); *provided*, that in the case of clauses (i) through (viii), (A) such transfer shall not involve a disposition for value, (B) the transferee agrees in writing with the Placement Agent to be bound by the terms of this Agreement, and (C) no filing by any party under Section 16(a) of the Securities Exchange Act of 1934, as amended (the "**Exchange Act**"), shall be required or shall be made voluntarily in connection with such transfer during the Lock-Up Period. For purposes of this Agreement, "immediate family" shall mean any relationship by blood, marriage, domestic partnership or adoption, not more remote than first cousin.

In addition, the foregoing restrictions shall not apply to (i) the exercise of stock options granted pursuant to the Company's equity incentive plans; *provided*, that such restrictions shall apply to any of the Undersigned's Securities issued upon such exercise, (ii) the establishment of any contract, instruction or plan (a "**Plan**") that satisfies all of the requirements of Rule 10b5-1(c)(1)(i)(B) under the Exchange Act; *provided* that no sales of the Undersigned's Securities shall be made pursuant to such a Plan prior to the expiration of the Lock-Up Period, and such a Plan may only be established if no public announcement of the establishment or existence thereof and no filing with the Securities and Exchange Commission or other regulatory authority in respect thereof or transactions thereunder or contemplated thereby, by the undersigned, the Company or any other person, shall be required, and no such announcement or filing is made voluntarily, by the undersigned, the Company or any other person, prior to the expiration of the Lock-Up Period, or (iii) the transfer to the Company of shares of Common Stock to be received upon the settlement of outstanding restricted stock units granted pursuant to the Company's equity incentive plans, for the purpose, once sold by the Company, of satisfying withholding taxes to be paid in connection with such settlement events.

In furtherance of the foregoing, the Company and its transfer agent and registrar are hereby authorized to decline to make any transfer of shares of Common Stock if such transfer would constitute a violation or breach of this Agreement.

The undersigned hereby represents and warrants that the undersigned has full power and authority to enter into this Agreement and that upon request, the undersigned will execute any additional documents necessary to ensure the validity or enforcement of this Agreement. All authority herein conferred or agreed to be conferred and any obligations of the undersigned shall be binding upon the successors, assigns, heirs or personal representatives of the undersigned.

The undersigned understands that purchasers of the Securities in the Offering shall be intended third-party beneficiaries of the undersigned's obligations under this Agreement.

This Agreement shall be governed by, and construed in accordance with, the laws of the State of New York.

Very truly yours,

Printed Name of Holder

By: _____
Signature

Printed Name of Person Signing
(and indicate capacity of person signing if
signing as custodian, trustee, or on behalf of
an entity)

EXHIBIT D

LIST OF DIRECTORS AND EXECUTIVE OFFICERS
EXECUTING LOCK-UP AGREEMENTS

Jeffrey D. Alter
John T. Bigalke
Matthew Cooper, Ph.D.
Eric d'Esparbes
Jeffrey A. Ferrell
Brian L. Kotzin, M.D.
Clarke Neumann, J.D.
Samuel R. Nussbaum, M.D.
Lynne Powell
Troy Seelye
Sami Shihabi
Damon Silvestry
Harry Stylli
Hutan Hashemi

NON-PUBLIC INFORMATION

Beginning in the fourth quarter of 2020, we began to reallocate resources within our organization to align more closely with our business priorities. This included reducing the resources allocated to certain programs and refocusing our resources on other key areas of our business. In addition, in June 2021, we announced a strategic transformation which involves certain cost realignment measures. We may experience difficulties in managing these changes to our organization and if unsuccessful, our financial condition and operating results may be adversely affected.

As of March 31, 2021, we had 637 full-time employees worldwide. In November 2020, we approved a reduction in force that resulted in the termination of approximately 9.5% of our workforce. The reduction in force was a component of our broader efforts to materially reduce our research and development expenses by focusing on key milestones and to limit progression of other costs to track our top line performance.

In addition, on June 1, 2021, we announced a strategic transformation, or the Strategic Transformation, which involves certain cost realignment measures including the discontinuation of the provision of commercial genetic laboratory-developed test services through our Ann Arbor, Michigan CLIA-certified laboratory and the termination of approximately 374 employees across the Company and our affiliated entity, Mattison Pathology, LLP, a Texas limited liability partnership doing business as Avero Diagnostics, which represents approximately 56% of our workforce. As a result of the Strategic Transformation, our business will refocus on our research and development pipeline, which we expect will materially reduce our operating expenditures, more effectively allocate capital and unlock the value of the our differentiated research and development pipeline.

Over the past several years, we significantly expanded the size of our organization, particularly personnel within our sales and marketing and research and development groups. As a result of the Strategic Transformation, we will be reducing certain aspects of our organization, particularly personnel within our laboratory operations and support and sales and marketing teams. In addition, certain of our managerial, operational, research and development, financial, and other personnel will be impacted by the Strategic Transformation. Whereas, the historical addition of employees imposed significant added responsibilities on members of management, our cost realignment measures pursuant to the Strategic Transformation may impose additional obligations on existing personnel, including increased responsibilities with respect to managing our internal development efforts effectively, while complying with our contractual obligations to contractors and other third parties, and executing on and improving our operational, financial, and management controls, reporting systems, and procedures.

Our future financial performance, our ability to successfully develop, market, and sell our products and product candidates, and our ability to effectively implement the Strategic Transformation will each impact our needs in terms of personnel. Our management may also have to devote a substantial amount of time to implementing the Strategic Transformation or pursuing additional strategic transactions, which may divert a disproportionate amount of attention away from day-to-day activities. Further, our future success depends on our ability to effectively implement the Strategic Transformation and on the successful development and commercialization of our research and development pipeline. We cannot assure you that we will achieve the full magnitude of cost savings and reduced operating expenditures that we have disclosed that we expect the Strategic Transformation to achieve or that any of our businesses will achieve the revenues that we have disclosed that we expect them to achieve following the Strategic Transaction, as a result of unexpected costs, costs associated with the strategic transformation such as severance and contract terminations or otherwise. In addition, we cannot assure you that our efforts related to the Strategic Transformation will improve our financial condition due to necessarily decreased revenue, including as a result of the termination of testing services, or will increase stockholder value. Any inability to execute and evolve in accordance with the Strategic Transformation and our other business initiatives could adversely impact our financial condition and results of operations.

Operating our business will require a significant amount of cash, and our ability to generate sufficient cash depends on many factors, some of which are beyond our control. We expect to need to raise additional capital, and if we cannot raise additional capital when needed, we may have to curtail or cease operations.

We expect to incur significant costs in connection with our operations, including but not limited to the research and development, marketing authorization, and commercialization of new tests, medical devices, therapeutics, and other products. These development activities generally require a substantial investment before we can determine commercial viability, and the proceeds from our offerings to date will not be sufficient to fully fund these activities. In addition, as a result of the Strategic Transformation, our revenue will be significantly reduced. We will need to raise additional funds through public or private equity or debt financings, collaborations or licensing arrangements to continue to fund or expand our operations. If we dispose of Avero Diagnostics, we will no longer generate revenue from our historical testing business, and we would be dependent on such additional sources of capital, including public or private equity or debt financings, collaborations or licensing arrangements for all of our future capital requirements if we do not achieve commercialization of our product candidates.

Our actual liquidity and capital funding requirements will depend on numerous factors, including:

- the scope and duration of and expenditures associated with our discovery efforts and research and development programs, including for our precision medicine platform;
- the costs to fund our commercialization strategies for any product candidates for which we receive marketing authorization or otherwise launch and to prepare for potential product marketing authorizations, as required;
- the costs of any acquisitions of complementary businesses or technologies that we may pursue;
- potential licensing or partnering transactions, if any;
- our facilities expenses, which will vary depending on the time and terms of any facility lease or sublease we may enter into, and other operating expenses;
- potential and pending litigation, potential payor recoupments of reimbursement amounts, and other contingencies;
- the commercial success of our products;
- the termination costs associated with our Strategic Transformation;
- our ability to obtain coverage and reimbursement for our therapeutic products, if any, including in the general, average-risk patient population;
- any revenues received from our ongoing commercial operations;
- any proceeds from strategic transactions; and
- our ability to collect our accounts receivable.

The availability of additional capital, whether from private capital sources (including banks) or the public capital markets, fluctuates as our financial condition and market conditions in general change. There may be times when the private capital sources and the public capital markets lack sufficient liquidity or when our securities cannot be sold at attractive prices, or at all, in which case we would not be able to access capital from these sources. In addition, a weakening of our financial condition or deterioration in our credit ratings could adversely affect our ability to obtain necessary funds. Even if available, additional financing could be costly or have adverse consequences.

Additional capital, if needed, may not be available on satisfactory terms or at all. Furthermore, any additional capital raised through the sale of equity or equity-linked securities will dilute our stockholders' ownership interests and may have an adverse effect on the price of our common stock. In addition, the terms of any financing may adversely affect stockholders' holdings or rights. Debt financing, if available, may include restrictive covenants.

To minimize dilution to our equity holders, we are also exploring non-dilutive financing options, which could include licenses or collaborations and/or sales of certain assets or business lines. To the extent that we raise additional funds through collaborations and licensing arrangements, it may be necessary to relinquish some rights to our technologies or grant licenses on terms that may not be favorable to us. To the extent that we raise additional funds through strategic transactions, including a sale of one of our lines of business, we may not ultimately realize the value of or synergies from such transactions and our long-term prospects could be diminished as a result of the divestiture of these assets. We may also be required to use some or all of these sale proceeds to pay down indebtedness, which would then not serve to increase our working capital.

If we are not able to obtain adequate funding when needed, we may be required to delay development programs or sales and marketing initiatives. If we are unable to raise additional capital in sufficient amounts or on satisfactory terms, we may have to make reductions in our workforce and may be prevented from continuing our discovery, development, and commercialization efforts and exploiting other corporate opportunities. In addition, it may be necessary to work with a partner on one or more of our tests or products under development, which could lower the economic value of those products to us. If we engage in strategic transactions with respect to revenue-producing assets or business lines, our revenue may be adversely affected and such transactions could negatively affect the viability of our business. Each of the foregoing may harm our business, operating results, and financial condition, and may impact our ability to continue as a going concern.