
**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): May 27, 2025

Lexeo Therapeutics, Inc.

(Exact name of Registrant as Specified in Its Charter)

Delaware
(State or Other Jurisdiction
of Incorporation)

001-41855
(Commission File Number)

85-4012572
(IRS Employer
Identification No.)

345 Park Avenue South, Floor 6
New York, New York
(Address of Principal Executive Offices)

10010
(Zip Code)

Registrant's Telephone Number, Including Area Code: 212 547-9879

N/A

(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:

- ☐ 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, \$0.0001 par value per share	LXEO	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.

Securities Purchase Agreement

On May 27, 2025, Lexeo Therapeutics, Inc. (the “Company”) entered into a Securities Purchase Agreement (the “Purchase Agreement”) for a private placement (the “Private Placement”) with certain qualified institutional buyers and institutional accredited investors (each, a “Purchaser” and collectively, the “Purchasers”). Pursuant to the Purchase Agreement, the Company agreed to sell to the Purchasers an aggregate of 20,790,120 shares (the “Shares”) of the Company’s common stock, par value \$0.0001 per share (“Common Stock”) or, in lieu thereof, to certain Purchasers, pre-funded warrants (“Pre-Funded Warrants”) to purchase 6,963,556 shares of Common Stock. Pursuant to the Purchase Agreement, each full Share (or Pre-Funded Warrant in lieu thereof) will be accompanied by a common warrant (the “Common Warrants” and collectively with the Pre-Funded Warrants the “Warrants” and, together with the Shares, the “Securities”) to purchase one-half of a share of Common Stock. The purchase price for each Share and accompanying Common Warrant will be \$2.8825 (or \$2.8824 for each Pre-Funded Warrant and accompanying Common Warrant). The aggregate gross proceeds to the Company from the Private Placement will be approximately \$80 million, before deducting commissions and offering expenses payable by the Company and including all proceeds the Company may receive upon exercise of the Pre-Funded Warrants and Common Warrants. The Company intends to use the net proceeds from the Private Placement to fund working capital and other general corporate purposes. The Private Placement is expected to close on May 28, 2025, subject to the satisfaction of customary closing conditions.

Each Common Warrant has an exercise price of \$2.82 per Common Warrant Share, will be exercisable immediately and will expire on May 28, 2029. Each Pre-Funded Warrant has an exercise price of \$0.0001 per Pre-Funded Warrant Share and will be exercisable immediately. Purchasers may not exercise any portion of any Warrant to the extent that immediately prior to or after giving effect to such exercise the Purchaser would own more than 9.99% of the Company’s outstanding Common Stock immediately after exercise, which percentage may be changed at the holder’s election to any other percentage not in excess of 19.99%.

J.P. Morgan LLC and Oppenheimer & Co. Inc. acted as co-lead placement agents, and Robert W. Baird & Co. also acted as placement agent for the Private Placement.

The foregoing descriptions of the Purchase Agreement, the Pre-Funded Warrants and the Common Warrants do not purport to be complete and are qualified in their entirety by reference to the complete text of the Purchase Agreement, the form of Pre-Funded Warrant and the form of Common Warrant, which are attached as Exhibits 10.1, 4.1 and 4.2, respectively, to this Current Report on Form 8-K and are hereby incorporated by reference into this Item 1.01.

Registration Rights

In connection with the Private Placement, the Company and the Purchasers entered into a Registration Rights Agreement, dated May 27, 2025 (the “Registration Rights Agreement”), providing for the registration for resale of the Shares and the shares of Common Stock underlying the Pre-Funded Warrants and the Common Warrants (together, the “Warrant Shares”) pursuant to a registration statement (the “Registration Statement”) to be filed with the Securities and Exchange Commission (the “SEC”) on or prior to June 27, 2025 (the “Filing Deadline”). The Company has agreed to use its best efforts to cause the Registration Statement to be declared effective as soon as possible, but in no event later than 60 days after the closing of the Private Placement (or 90 days in the event of a full review of the Registration Statement by the SEC) (the “Effectiveness Deadline”), and to keep the Registration Statement continuously effective from the date on which the SEC declares the Registration Statement to be effective until the earlier of such date that (i) all Registrable Securities (as such term is defined in the Registration Rights Agreement) covered by the Registration Statement have been sold pursuant to a registration statement under the Securities Act of 1933, as amended (the “Securities Act”), (ii) all Registrable Securities have ceased to be Registrable Securities, or (iii) is five years from the date of effectiveness of the Registration Statement.

The Company has granted the Purchasers customary indemnification rights in connection with the Registration Rights Agreement. The Purchasers have also granted the Company customary indemnification rights in connection with the Registration Rights Agreement.

The foregoing description of the Registration Rights Agreement does not purport to be complete and is qualified in its entirety by reference to the Registration Rights Agreement, a copy of which is filed as Exhibit 10.2 hereto and incorporated by reference into this Item 1.01.

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 this Current Report on Form 8-K.

The Company will sell the Securities to “accredited investors,” as that term is defined in the Securities Act, in reliance on the exemption from registration afforded by Section 4(a)(2) of the Securities Act and corresponding provisions of state securities or “blue sky” laws. The Purchasers represented that they are acquiring the Securities for investment only and not with a view towards the resale or distribution thereof in violation of the Securities Act. Accordingly, the Securities have not been registered under the Securities Act and

such Securities may not be offered or sold in the United States absent registration or an exemption from registration under the Securities Act and any applicable state securities laws.

Neither this Current Report on Form 8-K, nor any exhibit attached hereto, is an offer to sell or the solicitation of an offer to buy the Securities described herein.

Item 7.01 Regulation FD Disclosure.

On May 27, 2025, the Company issued a press release announcing the Private Placement. The press release is attached as Exhibit 99.1 to this Current Report on Form 8-K and incorporated into this Item 7.01 by reference. The information in this Item 7.01, including Exhibit 99.1 attached hereto, shall not be deemed “filed” for purposes of Section 18 of the Exchange Act, or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act, except as expressly set forth by specific reference in such filing.

Forward Looking Statements

This report contains certain forward-looking statements regarding the business of the Company that are not a description of historical facts within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements include statements regarding the expected closing of the Private Placement, anticipated receipt and use of proceeds from the Private Placement, whether the conditions for the closing of the Private Placement will be satisfied and the filing of a registration statement or final prospectus, as applicable, to register the resale of the Shares and Warrant Shares to be issued and sold in the Private Placement. Actual results could differ materially from those anticipated in such forward-looking statements as a result of these risks and uncertainties, which include, without limitation, those associated with market conditions and the satisfaction of customary closing conditions in the Private Placement. Additional risks and uncertainties that could cause actual outcomes and results to differ materially from those contemplated by the forward-looking statements are included in the “Risk Factors” section of the Company’s Annual Report on Form 10-K for the year ended December 31, 2024, filed with the SEC on March 24, 2025, the Company’s Quarterly Report on Form 10-Q for the quarterly period ended March 31, 2025, filed with the SEC on May 12, 2025, as amended, and other filings that the Company makes with the SEC from time to time. All forward-looking statements reflect the Company’s beliefs and assumptions only as of the date of this report. The Company undertakes no obligation to update forward-looking statements to reflect future events or circumstances.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit Number	Exhibit Description	Form	Incorporated by Reference			Filed or Furnished Herewith
			File No.	Exhibit	Filing Date	
4.1	Form of Pre-Funded Warrant					X
4.2	Form of Common Warrant					X
10.1	Form of Securities Purchase Agreement, dated May 27, 2025, by and among the Company and the Purchasers					X
10.2	Form of Registration Rights Agreement, dated May 27, 2025, by and among the Company and the Purchasers					X
99.1	Press release issued by the Company on May 27, 2025, announcing Private Placement, furnished herewith					X
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)					X

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.

Lexeo Therapeutics, Inc.

Date: May 27, 2025

By: /s/ R. Nolan Townsend

R. Nolan Townsend, Chief Executive Officer

THIS PRE-FUNDED WARRANT AND THE SHARES OF COMMON STOCK ISSUABLE UPON THE EXERCISE OF THIS PRE-FUNDED WARRANT (THE “SECURITIES”) HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE “SECURITIES ACT”), OR THE SECURITIES LAWS OF ANY STATE OF THE UNITED STATES. THE SECURITIES HAVE BEEN ACQUIRED FOR INVESTMENT AND MAY NOT BE SOLD, TRANSFERRED OR ASSIGNED UNLESS (I) SUCH SECURITIES HAVE BEEN REGISTERED FOR SALE PURSUANT TO THE SECURITIES ACT, (II) SUCH SECURITIES MAY BE SOLD PURSUANT TO RULE 144 UNDER THE SECURITIES ACT, (III) THE COMPANY HAS RECEIVED AN OPINION OF COUNSEL REASONABLY SATISFACTORY TO IT THAT SUCH TRANSFER MAY LAWFULLY BE MADE WITHOUT REGISTRATION UNDER THE SECURITIES ACT, OR (IV) THE SECURITIES ARE TRANSFERRED WITHOUT CONSIDERATION TO AN AFFILIATE OF SUCH HOLDER OR A CUSTODIAL NOMINEE (WHICH FOR THE AVOIDANCE OF DOUBT SHALL REQUIRE NEITHER CONSENT NOR THE DELIVERY OF AN OPINION).

FORM OF PRE-FUNDED WARRANT TO PURCHASE COMMON STOCK

Number of Shares: [•]
(subject to adjustment)

Warrant No. [•]

Original Issue Date: May [•], 2025

Lexeo Therapeutics, Inc., a Delaware corporation (the “Company”), hereby certifies that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, [•] or its registered assigns (the “Holder”), is entitled, subject to the terms set forth below, to purchase from the Company up to a total of [•] shares of common stock, \$0.0001 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 \$0.0001, as adjusted from time to time as provided in Section 9 (the “Exercise Price”), upon surrender of this Pre-Funded Warrant to Purchase Common Stock (including any Warrants to Purchase Common Stock issued in exchange, transfer or replacement hereof, the “Warrant”) at any time and from time to time on or after the date hereof (the “Original Issue Date”).

1. Definitions. For purposes of this Warrant, the following terms shall have the following meanings:

“Affiliate” means, with respect to any Person, any other Person that, directly or indirectly through one or more intermediates, controls, is controlled by or is under common control with such Person.

“Attribution Parties” means, collectively, the following Persons and entities: (i) any direct or indirect Affiliates of the Holder, (ii) any Person acting or who could be deemed to be acting as a Group together with the Holder or any Attribution Parties and (iii) any other Persons whose beneficial ownership of the Company’s Common Stock would or could be aggregated with the Holder’s and/or any other Attribution Parties for purposes of Section 13(d) or Section 16 of the Exchange Act. For clarity, the purpose of the foregoing is to subject collectively the Holder and all other Attribution Parties to the Maximum Percentage.

“Closing Sale Price” means, for any security as of any date, the last trade price for such security on the Principal Trading Market for such security, as reported by Bloomberg Financial Markets, or, if such Principal Trading Market begins to operate on an extended hours basis and does not designate the last trade price, then the last trade price of such security prior to 4:00 P.M., New York City time, as reported by Bloomberg Financial Markets, or if the foregoing do not apply, the last trade price of such security in the over-the-counter market on the electronic bulletin board for such security as reported by Bloomberg Financial Markets. If the Closing Sale Price cannot be calculated for a security on a particular date on any of the foregoing bases, the Closing Sale Price of such security on such date shall be the fair market value as mutually determined by the Company and the Holder. All such determinations shall be appropriately adjusted for any stock dividend, stock split, stock combination or other similar transaction during the applicable calculation period.

“Commission” means the U.S. Securities and Exchange Commission.

“Exchange Act” means the U.S. Securities Exchange Act of 1934, as amended, and all of the rules and regulations promulgated thereunder.

“Group” shall have the meaning ascribed to it in Section 13(d) of the Exchange Act, and all related rules, regulations and jurisprudence.

“Person” means an individual, partnership, corporation, limited liability company, business trust, joint stock company, trust, unincorporated association, joint venture or any other entity or organization.

“Principal Trading Market” means the national securities exchange or other trading market on which the Common Stock is primarily listed on and quoted for trading, which, as of the Original Issue Date, shall be the Nasdaq Global Market.

“Securities Act” means the U.S. Securities Act of 1933, as amended, and all of the rules and regulations promulgated thereunder.

“Securities Purchase Agreement” means that certain Securities Purchase Agreement, dated May 27, 2025, by and among the Company and the Purchasers named on Exhibit A thereto.

“Standard Settlement Period” means the standard settlement period, expressed in a number of Trading Days, for the Principal Trading Market with respect to the Common Stock that is in effect on the date of delivery of an applicable Exercise Notice, which as of the Original Issue Date was “T+1.”

“Trading Day” means any weekday on which the Principal Trading Market is normally open for trading.

“Transfer Agent” means Equiniti Trust Company, LLC, the Company’s transfer agent and registrar for the Common Stock, and any successor appointed in such capacity.

2. Issuance of Securities; Registration of Warrants. The Company shall register ownership of this Warrant, upon records to be maintained by 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 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 compliance with all applicable securities laws, upon request from the Holder to transfer all or any portion of this Warrant to an Affiliate, the Company shall, or will cause its Transfer Agent to, register the transfer of all or any portion of this Warrant in the Warrant Register, as applicable, upon surrender of this Warrant and payment for all applicable transfer taxes (if any). 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, or will cause its Transfer Agent to, prepare, issue and deliver at the Company’s own expense any New Warrant under this Section 3. Until due presentment for registration of transfer, the Company may treat the registered Holder hereof as the owner and holder for all purposes, and the Company shall not be affected by any notice to the contrary. Notwithstanding anything in the foregoing, this Warrant shall not be transferrable by the Holder other than to an Affiliate.

4. Exercise of Warrants.

(a) All or any part of this Warrant shall be exercisable by the registered Holder in any manner permitted by this Warrant at any time and from time to time on or after the Original Issue Date, and such rights shall not expire until exercised in full.

(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), and the date on which the last of such items is delivered to the Company (as determined in accordance with the notice provisions hereof) is an “**Exercise Date**.” The Holder shall not be required to deliver the original Warrant in order to effect an exercise hereunder. 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. The aggregate exercise price of this Warrant, except for the Exercise Price, was pre-funded to the Company on or before the Original Issue Date, and consequently no additional consideration (other than the Exercise Price) shall be required to be paid by the Holder 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-funded exercise price under any circumstance or for any reason whatsoever.

(c) The Holder and any assignee, by acceptance of this Warrant, acknowledge and agree that, by reason of the provisions of this section, following the purchase of a portion of the Warrant Shares hereunder, the number of Warrant Shares available for purchase hereunder at any given time may be less than the amount stated on the face hereof.

5. Delivery of Warrant Shares.

(a) Upon exercise of this Warrant, the Company shall promptly (but in no event later than the number of Trading Days comprising the Standard Settlement Period following the Exercise Date), upon the request of the Holder, cause the Transfer Agent to credit such aggregate number of shares of Common Stock specified by the Holder in the Exercise Notice and to which the Holder is entitled pursuant to such exercise (the “**Exercise Shares**”) to (i) the Holder’s or its designee’s balance account with The Depository Trust Company (“**DTC**”) through its Deposit Withdrawal At Custodian system or (ii) in book-entry form via a direct registration system (“**DRS**”) maintained by or on behalf of the Transfer Agent, in each case, so long as either (A) there is an effective registration statement permitting the issuance of the Warrant Shares to or the resale of such Warrant Shares by the Holder or (B) the Exercise Shares are eligible for resale by the Holder without volume or manner-of-sale restrictions pursuant to Rule 144 promulgated under the Securities Act (assuming cashless exercise of this Warrant). If the conditions set forth in clauses (A) and (B) above are not then met, the Company shall cause the Transfer Agent to either (i) record the Exercise Shares in the name of the Holder or its designee on the certificates reflecting the Exercise Shares with an appropriate legend regarding restriction on transferability, which shall be issued and dispatched by overnight courier to the address as specified in the Exercise Notice, and on the Company’s share register or (ii) issue such Exercise Shares in the name of the Holder or its designee in restricted book-entry form in the Company’s share register. The Holder, or any Person 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, irrespective of the date such Warrant Shares are credited to the Holder’s DTC account, the date of the book entry positions or the date of delivery of the certificates evidencing such Exercise Shares, as the case may be.

(b) In addition to any other rights available to the Holder, if the Company fails to cause the Transfer Agent to deliver to the Holder or its designee Exercise Shares in the manner required pursuant to Section 5(a) within the Standard Settlement Period following the Exercise Date (other than a failure caused by incorrect or incomplete information provided by the Holder to the Company) and the Holder or the Holder’s broker on its behalf purchases (in an open market transaction or otherwise) shares of 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**”) but did not receive within the Standard Settlement Period, then the Company shall, within two (2) Trading Days after the Holder’s request (1) pay cash to the Holder in an amount equal to the excess (if any) of Holder’s total purchase price (including brokerage commissions, if any) for the shares of Common Stock so purchased in the Buy-In, less the product of (A) the number of shares of Common Stock purchased in the Buy-In, times (B) the Closing Sale Price of a share of Common Stock on the Exercise Date and (2) 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 promptly after the occurrence of a Buy-In, indicating the amounts payable to the Holder in respect of the Buy-In together with applicable confirmations and other evidence reasonably requested by the Company.

(c) To the extent permitted by law and subject to Section 5(b), 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 11 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, or any setoff, counterclaim, recoupment, limitation or termination, or any breach or alleged breach by the Holder or any other Person of any obligation to the Company or any violation or alleged violation of law by the Holder or any other Person, and irrespective of any other circumstance that might otherwise limit such obligation of the Company to the Holder in connection with the issuance of Warrant Shares. Subject to Section 5(b), 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 Exercise Shares; provided, however, that the Holder shall not be entitled to both (i) require the Company to reinstate the portion of the Warrant and equivalent number of Warrant Shares for which such exercise was not timely honored and (ii) receive the number of shares of Common Stock that would have been issued if the Company had timely complied with its delivery requirements under Section 5(a).

6. Charges, Taxes and Expenses. Issuance and delivery of Exercise Shares shall be made without charge to the Holder for any issue or transfer tax, transfer agent fee or other incidental tax or expense (excluding any applicable stamp duties) in respect of the issuance of such 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 of any 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 liability 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 contractual indemnity, if requested by the Company. 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 while this Warrant is outstanding, 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 in accordance with the terms hereof, be duly and validly authorized, issued and fully paid and non-assessable. The Company will take all such action as may be reasonably 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. The Company further covenants that it will not, without the prior written consent of the Holder, take any actions to increase the par value of the Common Stock at any time while this Warrant is outstanding.

9. Certain Adjustments. The Exercise Price and number of Warrant Shares issuable upon exercise of this Warrant (the "Number of Warrant Shares") 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 issued and outstanding on the Original Issue Date and in accordance with the terms of such stock on the Original Issue Date or as amended, that is payable in shares of Common Stock, (ii) subdivides its outstanding shares of Common Stock into a larger number of shares of Common Stock, (iii) combines its outstanding shares of Common Stock into a smaller number of shares of Common Stock or (iv) issues by reclassification of shares of capital stock any additional shares of Common Stock of the Company, then in each such case the Number of Warrant Shares shall be multiplied by a fraction, the numerator of which shall be the number of shares of Common Stock outstanding immediately after such event and the denominator of which shall be the number of shares of Common Stock outstanding immediately before 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, provided, however, that if such record date shall have been fixed and such dividend is not fully paid on the date fixed therefor, the Number of Warrant Shares shall be recomputed accordingly as of the close of business on such record date and thereafter the Number of Warrant Shares shall be adjusted pursuant to this paragraph as of the time of actual payment of such dividends. Any adjustment pursuant to clause (ii), (iii) or (iv) of this paragraph shall become effective immediately after the effective date of such subdivision, combination or issuance.

(b) Pro Rata Distributions. If, on or after the Original Issue Date, the Company shall declare or make any dividend or other pro rata distribution of its assets (or rights to acquire its assets) to holders of shares of Common Stock, by way of return of capital or otherwise (including, without limitation, any distribution of cash, stock or other securities, property, options, evidence of indebtedness or any other assets by way of a dividend, spin off, reclassification, corporate rearrangement, scheme of arrangement or other similar transaction, but, for the avoidance of doubt, excluding any distribution of shares of Common Stock subject to Section 9(a), any distribution of Purchase Rights (as defined below) subject to Section 9(c) and any Fundamental Transaction (as defined below) subject to Section 9(d)), (a “**Distribution**”) then, in each such case, the Holder shall be entitled to participate in such Distribution to the same extent that the Holder would have participated therein if the Holder had held the number of shares of Common Stock acquirable upon complete exercise of this Warrant (without regard to any limitations or restrictions on exercise of this Warrant, including without limitation, the Maximum Percentage (as defined below)) immediately before the date on which a record is taken for such Distribution, or, if no such record is taken, the date as of which the record holders of shares of Common Stock are to be determined for the participation in such Distribution (provided, that to the extent that the Holder’s right to participate in any such Distribution would result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, then the Holder shall not be entitled to participate in such Distribution to such extent (and shall not be entitled to beneficial ownership of such shares of Common Stock as a result of such Distribution (and beneficial ownership) to such extent) and the portion of such Distribution shall be held in abeyance for the benefit of the Holder until such time or times as its right thereto would not result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, at which time or times the Holder shall be granted such Distribution (and any Distributions declared or made on such initial Distribution or on any subsequent Distribution held similarly in abeyance) to the same extent as if there had been no such limitation).

(c) Purchase Rights. If at any time on or after the Original Issue Date, the Company grants, issues or sells any Options, Convertible Securities or rights to purchase stock, warrants, securities or other property, in each case pro rata to the record holders of any class of Common Stock (the “**Purchase Rights**”), then the Holder will be entitled to acquire, upon the terms applicable to such Purchase Rights, the aggregate Purchase Rights which the Holder could have acquired if the Holder had held the number of shares of Common Stock acquirable upon complete exercise of this Warrant (without regard to any limitations or restrictions on exercise of this Warrant, including without limitation, the Maximum Percentage) immediately before the date on which a record is taken for the grant, issuance or sale of such Purchase Rights, or, if no such record is taken, the date as of which the record holders of Common Stock are to be determined for the grant, issuance or sale of such Purchase Rights (provided, that to the extent that the Holder’s right to participate in any such Purchase Right would result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, then the Holder shall not be entitled to participate in such Purchase Right to such extent (and shall not be entitled to beneficial ownership of such Common Stock as a result of such Purchase Right (and beneficial ownership) to such extent) and at the Holder’s election, in its sole discretion, either (1) such Purchase Right to such extent shall be held in abeyance for the benefit of the Holder until such time or times as its right thereto would not result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, at which time or times the Holder shall be granted such right (and any Purchase Right granted, issued or sold on such initial Purchase Right or on any subsequent Purchase Right to be held similarly in abeyance) to the same extent as if there had been no such limitation) or (2) the Company shall offer the Holder the right upon exercise of such Purchase Right to acquire a security (e.g. a pre-funded warrant) that would not result in the Holder and the other Attribution Parties exceeding the Maximum Percentage but will otherwise to the extent possible have economic and other rights, preferences and privileges substantially consistent and on par with the securities or other property issuable upon exercise of the originally offered Purchase Rights. As used in this Section 9(c), (i) “Options” means any rights, warrants or options to subscribe for or purchase shares of Common Stock or Convertible Securities and (ii) “Convertible Securities” mean any stock or securities (other than Options) directly or indirectly convertible into or exercisable or exchangeable for shares of Common Stock.

(d) **Fundamental Transactions.** If, at any time while this Warrant is outstanding (i) the Company effects any merger or consolidation of the Company with or into another Person, in which the Company is not the surviving entity or in which the stockholders of the Company immediately prior to such merger or consolidation do not own, directly or indirectly, at least 50% of the voting power of the surviving entity immediately after such merger or consolidation, (ii) the Company effects any sale to another Person of all or substantially all of its assets in one or a series of related transactions, (iii) pursuant to any tender offer or exchange offer (whether by the Company or another Person), holders of capital stock tender shares representing more than 50% of the voting power of the capital stock of the Company and the Company or such other Person, as applicable, accepts such tender for payment, (iv) the Company consummates a stock purchase agreement or other business combination (including, without limitation, a reorganization, recapitalization, spin-off or scheme of arrangement) with another Person whereby such other Person acquires more than 50% of the voting power of the capital stock of the Company (except for any such transaction in which the stockholders of the Company immediately prior to such transaction maintain, in substantially the same proportions, the voting power of such Person immediately after the transaction), provided, however, that the foregoing shall not include transactions for which the primary purpose is raising capital or (v) the Company effects any reclassification of the Common Stock or any compulsory share exchange pursuant to which the Common Stock is effectively converted into or exchanged for other securities, cash or property (other than as a result of a subdivision or combination of shares of Common Stock covered by Section 9(a) above) (in any such case, a “**Fundamental Transaction**”), then following such Fundamental Transaction the Holder shall have the right to receive, upon exercise of this Warrant, the same amount and kind of securities, cash 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 (including any Distributions or Purchase Rights then held in abeyance pursuant to Sections 9(b), or 9(c) above) without regard to any limitations on exercise contained herein (the “**Alternate Consideration**”) (provided, that to the extent that the Holder’s right to receive any such Alternate Consideration would result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, then the Holder shall not be entitled to receive such Alternate Consideration to such extent (and shall not be entitled to beneficial ownership of such Common Stock as a result of such Alternate Consideration (and beneficial ownership) to such extent) and at the Holder’s election, in its sole discretion, either (1) such Alternate Consideration to such extent shall be held in abeyance for the benefit of the Holder until such time or times as its right thereto would not result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, at which time or times the Holder shall be granted such right (and any Alternate Consideration granted, issued or sold on such initial receipt or on any subsequent receipt to be held similarly in abeyance) to the same extent as if there had been no such limitation) or (2) the Company shall offer the Holder the right upon receipt of such Alternate Consideration to acquire a security (e.g. a pre-funded warrant) that would not result in the Holder and the other Attribution Parties exceeding the Maximum Percentage but will otherwise to the extent possible have economic and other rights, preferences and privileges substantially consistent and on par with the securities or other property issuable upon exercise of the originally offered Alternate Consideration. The Company shall not effect any Fundamental Transaction in which the Company is not the surviving entity or the Alternate Consideration includes securities of another Person unless (i) the Alternate Consideration is solely cash and the Company provides for the simultaneous “cashless exercise” of this Warrant pursuant to Section 10 below or (ii) prior to or simultaneously with the consummation thereof, any successor to the Company, surviving entity or other Person (including any purchaser of assets of the Company) 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 paragraph (d) shall similarly apply to subsequent transactions analogous to a Fundamental Transaction type. If the Company undertakes a Fundamental Transaction in which the Company is not the surviving entity and the Alternate Consideration includes securities of another Person, then the Company shall provide that, prior to or simultaneously with the consummation of such Fundamental Transaction, any successor to the Company, surviving entity or other Person (including any purchaser of assets of the Company) shall assume the obligation to deliver to the Holder such Alternate Consideration as the Holder is entitled to receive in accordance with the foregoing provisions, and to assume the other obligations under this Warrant. The Company shall cause, to the extent the Fundamental Transaction is within the Company’s control, any successor entity in a Fundamental Transaction in which the Company is not the survivor (the “**Successor Entity**”) to assume in writing all of the obligations of the Company under this Warrant and the Securities Purchase Agreement in accordance with the provisions of this Section 9(d) and shall, at the option of the Holder, deliver to the Holder in exchange for this Warrant a security of the Successor Entity evidenced by a written instrument substantially similar in form and substance to this Warrant which is exercisable for a corresponding number of shares of capital stock of such Successor Entity (or its parent entity)

equivalent to the shares of Common Stock acquirable and receivable upon exercise of this Warrant (without regard to any limitations on the exercise of this Warrant) prior to such Fundamental Transaction, and with an exercise price which applies the exercise price hereunder to such shares of capital stock (but taking into account the relative value of the shares of Common Stock pursuant to such Fundamental Transaction and the value of such shares of capital stock, such number of shares of capital stock and such exercise price being for the purpose of protecting the economic value of this Warrant immediately prior to the consummation of such Fundamental Transaction). Upon the occurrence of any such Fundamental Transaction, the Successor Entity shall succeed to, and be substituted for (so that from and after the date of such Fundamental Transaction, the provisions of this Warrant and the Securities Purchase Agreement referring to the "Company" shall refer instead to the Successor Entity), and may exercise every right and power of the Company and shall assume all of the obligations of the Company under this Warrant and the Securities Purchase Agreement with the same effect as if such Successor Entity had been named as the Company herein.

(e) Number of Warrant Shares. Simultaneously with any adjustment to the Number of Warrant Shares pursuant to Section 9, the Exercise Price 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. Notwithstanding the foregoing, in no event may the Exercise Price be adjusted below the par value of the Common Stock then in effect.

(f) Calculations. All calculations under this Section 9 shall be made to the nearest one-tenth of one cent or the nearest share, as applicable.

(g) 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 Transfer Agent.

(h) 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 or any subsidiary, (ii) authorizes or approves, 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 ten (10) 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. In the event such notice and the contents thereof shall be deemed to constitute material non-public information, the Company shall (on the same time frame set forth in the immediately prior sentence) offer the Holder the ability to sign a confidentiality agreement related thereto sufficient to allow the Holder to receive such notice, and the Company shall deliver such notice immediately upon execution of such confidentiality agreement. If the holder does not sign the confidentiality agreement, then the Holder shall not receive such notice. In addition, if while this Warrant is outstanding, the Company authorizes or approves, enters into any agreement contemplating or solicits stockholder approval for any Fundamental Transaction contemplated by Section 9(d), other than a Fundamental Transaction under clause (iii) of Section 9(d), the Company shall deliver to the Holder a notice of such Fundamental Transaction at least thirty (30) days prior to the date such Fundamental Transaction is consummated. Holder agrees to maintain any information disclosed pursuant to this Section 9(h) in confidence until such information is publicly available, and shall comply with applicable law with respect to trading in the Company's securities following receipt of any such information.

10. Payment of Exercise Price. If, and only if, at the time of exercise hereof, there is no effective registration statement registering, or no current prospectus available for, the resale of the Warrant Shares by the Holder, then the Holder may, in its sole discretion, satisfy its obligation to pay the Exercise Price through a “cashless exercise”, in which event the Company shall issue to the Holder the number of Warrant Shares in an exchange of securities effected pursuant to Section 3(a)(9) of the Securities Act, determined as follows:

$$X = Y [(A-B)/A]$$

where:

“X” equals the number of Warrant Shares to be issued to the Holder;

“Y” equals the total number of Warrant Shares with respect to which this Warrant is then being exercised;

“A” equals the Closing Sale Price of the shares of Common Stock as of the Trading Day on the date immediately preceding the Exercise Date; and

“B” equals the Exercise Price then in effect for the applicable Warrant Shares at the time of such exercise.

For purposes of Rule 144 promulgated under the Securities Act, it is intended, understood and acknowledged that the Warrant Shares issued in a “cashless exercise” transaction shall be deemed to have been acquired by the Holder, and the holding period for the Warrant Shares shall be deemed to have commenced, on the Original Issue Date (provided that the Commission continues to take the position that such treatment is proper at the time of such exercise). In the event that a registration statement registering the issuance of Warrant Shares is, for any reason, not effective at the time of exercise of this Warrant, then this Warrant may only be exercised through a cashless exercise, as set forth in this Section 10. The Company acknowledges and agrees that, in accordance with Section 3(a)(9) of the Securities Act, any Warrant Shares issued pursuant to such a cashless exercise shall take on the characteristics of the Warrants being exercised and that, for purposes of Rule 144 under the Securities Act, the holding period of the Warrant Shares being issued may be tacked on to the exercising holder’s holding period of this Warrant. Except as set forth in Section 5(b) (Buy-In remedy) and Section 12 (No Fractional Shares), in no event will the exercise of this Warrant be settled in cash.

11. Limitations on Exercise.

(a) Notwithstanding anything to the contrary contained herein, the Company shall not effect the exercise of any portion of this Warrant, and the Holder of this Warrant shall not exercise any portion of the Warrant, and any such exercise shall be null and void ab initio and treated as if the exercise had not been made, to the extent that immediately prior to or following such exercise, the Holder, together with the Attribution Parties, beneficially owns or would beneficially own as determined in accordance with Section 13(d) of the Exchange Act and the rules promulgated thereunder, in excess of 9.99% (the “**Maximum Percentage**”) of the Common Stock that would be issued and outstanding following such exercise. For purposes of calculating beneficial ownership for determining whether the Maximum Percentage is or will be exceeded, the aggregate number of shares of Common Stock held and/or beneficially owned by the Holder together with the Attribution Parties, shall include the number of shares of Common Stock held and/or beneficially owned by the Holder together with the Attribution Parties plus the number of shares of Common Stock issuable upon exercise of the relevant Warrant with respect to which the determination is being made but shall exclude the number of shares of Common Stock which would be issuable upon (i) exercise of the remaining, unexercised Warrant held and/or beneficially owned by the Holder or the Attribution Parties and (ii) exercise or conversion of the unexercised or unconverted portion of any other securities of the Company held and/or beneficially owned by such Holder or any Attribution Party (including, without limitation, any convertible notes, convertible stock or warrants) that are subject to a limitation on conversion or exercise analogous to the limitation contained herein. For purposes of this Paragraph 11(a), beneficial ownership of the Holder or the Attribution Parties shall, except as set forth in the immediately preceding sentence, be calculated and determined in accordance with Section 13(d) of the Exchange Act and the rules promulgated thereunder. For purposes of this Warrant, in determining the number of outstanding shares of Common Stock, a Holder of this Warrant may rely on the number of outstanding shares of Common Stock as reflected in (1) the Company’s most recent Form 10-K, Form 10-Q, Current Report on Form 8-K or other public filing with the Securities and Exchange Commission, as the case may be, (2) a more recent public announcement by the Company or (3) any other notice by the Company or the Company’s transfer agent setting forth the number of shares of Common Stock outstanding (such issued and outstanding shares, the “**Reported Outstanding Share Number**”). For any reason at any time, upon the written or oral request of the Holder, the Company shall within one Trading Day confirm in writing or by electronic mail to the Holder the number of shares of Common Stock then outstanding. The Holder shall disclose to the Company the number of shares of Common Stock that it, together with the Attribution Parties holds and/or beneficially owns and has the right to acquire through the exercise of derivative securities and any limitations on exercise or conversion analogous to the limitation contained herein contemporaneously or immediately prior to submitting an Exercise Notice for the relevant Warrant. If the Company receives an Exercise Notice from the Holder at a time when the actual number of outstanding shares of Common Stock is less than the Reported Outstanding Share Number, the Company shall (i) notify the Holder in writing of the number of shares of Common Stock then outstanding and, to the extent that such Exercise Notice would otherwise cause the Holder’s, together with the Attribution Parties’, beneficial ownership, as determined pursuant to this Section 11(a), to exceed the Maximum Percentage, the Holder must notify the Company of a reduced number of Warrant Shares to be purchased pursuant to such Exercise Notice (the number of shares by which such purchase is reduced, the “**Reduction Shares**”) or that no reduction is necessary in order to receive shares in compliance with the Maximum Percentage, and (ii) as soon as reasonably practicable, the Company shall return to the Holder any exercise price paid by the Holder for the Reduction Shares (if any) and to issue the shares to the Holder (reduced by the Reduction Shares, if applicable). In any case, the number of outstanding shares of Common Stock shall be determined after giving effect to the conversion or exercise of securities of the Company, including this Warrant, by the Holder and the Attribution Parties since the date as of which the Reported Outstanding Share Number was reported. In the event that the issuance of Common Stock to the Holder upon exercise of this Warrant results in the Holder, together with the Attribution Parties, being deemed to beneficially own, in the aggregate, more than the Maximum Percentage of the number of outstanding shares of Common Stock (as determined under Section 13(d) of the Exchange Act), the number of shares so issued by which the Holder’s, together with the Attribution Parties’, aggregate beneficial ownership exceeds the Maximum Percentage (the “**Excess Shares**”) shall be deemed null and void and shall be cancelled ab initio, and the Holder and/or the Attribution Parties shall not have the power to vote or to transfer the Excess Shares. As soon as reasonably practicable after the issuance of the Excess Shares has been deemed null and void, the Company shall return to the Holder the exercise price paid by the Holder for the Excess Shares and the Holder shall return such Excess Shares (if in its possession) to the Company. By written notice to the Company, a Holder of this Warrant may from time to time increase or decrease the Maximum Percentage to any other percentage specified in such notice, provided however, that (1) in no case shall the percentage specified be in excess of 19.99% and (2) any increase in the Maximum Percentage will not be effective until the 61st day after such notice is delivered to the Company and shall not negatively affect any partial exercise effected prior to such change.

(b) This Section 11 shall not restrict the number of shares of Common Stock which a Holder or the Attribution Parties may receive or beneficially own in order to determine the amount of securities or other consideration that such Holder or the Attribution Parties may receive in the event of a Fundamental Transaction as contemplated in Section 9(c) of this Warrant. For purposes of clarity, the shares of Common Stock issuable pursuant to the terms of this Warrant in excess of the Maximum Percentage shall be deemed to not be beneficially owned by the Holder or the Attribution Parties for any purpose including for purposes of Section 13(d) of the Exchange Act and the rules promulgated thereunder or Section 16 of the Exchange Act and the rules promulgated thereunder, including Rule 16a-1(a)(1). No prior inability to exercise this Warrant pursuant to this paragraph shall have any effect on the applicability of the provisions of this paragraph with respect to any subsequent determination of exercisability. The provisions of this paragraph shall be construed and implemented in a manner otherwise than in strict conformity with the terms of this Section 11 to the extent necessary to correct this paragraph or any portion of this paragraph which may be defective or inconsistent with the intended beneficial ownership limitation contained in this Section 11 or to make changes or supplements necessary or desirable to properly give effect to such limitation. The limitation contained in this paragraph may not be waived and shall apply to a successor holder of this Warrant.

12. 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.

13. 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 confirmed e-mail at the e-mail address specified by the Company 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 e-mail at the e-mail address specified by the Company 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, or (iv) upon actual receipt by the Person to whom such notice is required to be given, if by hand delivery.

14. Warrant Agent. The Company shall initially serve as warrant agent under this Warrant. Upon 30 days' 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 shareholders 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.

15. Miscellaneous.

(a) **No Rights as a Stockholder.** Except as otherwise set forth in this Warrant, 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 (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) Further Assurances. 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 non-assessable 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. Before taking any action which would result in an adjustment in the number of Warrant Shares for which this Warrant is exercisable or in the Exercise Price, the Company shall obtain all such authorizations or exemptions thereof, or consents thereto, as may be necessary from any public regulatory body or bodies having jurisdiction thereof.

(c) Successors and Assigns. Subject to 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 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.

(d) Amendment and Waiver. This Warrant may be amended only in writing signed by the Company and the Holder, or their successors and assigns. Except as otherwise provided herein, the provisions of this Warrant 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 Holder.

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

(f) 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 OF NEW YORK, BOROUGH OF MANHATTAN, FOR THE ADJUDICATION OF ANY DISPUTE HEREUNDER OR IN CONNECTION HERewith OR WITH ANY TRANSACTION CONTEMPLATED HEREBY OR DISCUSSED HEREIN (INCLUDING WITH RESPECT TO THE ENFORCEMENT OF ANY OF THE TRANSACTION DOCUMENTS), AND HEREBY IRREVOCABLY WAIVES, AND AGREES NOT TO ASSERT IN ANY SUIT, ACTION OR PROCEEDING, ANY CLAIM THAT IT IS NOT PERSONALLY SUBJECT TO THE JURISDICTION OF ANY SUCH COURT. 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 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.

(g) 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.

(h) Severability. If any part or provision of this Warrant is held unenforceable or in conflict with the applicable laws or regulations of any jurisdiction, the invalid or unenforceable part or provisions shall be replaced with a provision which accomplishes, to the extent possible, the original business purpose of such part or provision in a valid and enforceable manner, and the remainder of this Warrant shall remain binding upon the parties hereto.

[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.

LEXEO THERAPEUTICS, 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 Lexeo Therapeutics, 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” under Section 10 of the Warrant

(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, as amended) permitted to be owned under Section 11(a) of the Warrant to which this notice relates.

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)

THIS WARRANT AND THE SHARES OF COMMON STOCK ISSUABLE UPON THE EXERCISE OF THIS WARRANT (THE “SECURITIES”) HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE “SECURITIES ACT”), OR THE SECURITIES LAWS OF ANY STATE OF THE UNITED STATES. THE SECURITIES HAVE BEEN ACQUIRED FOR INVESTMENT AND MAY NOT BE SOLD, TRANSFERRED OR ASSIGNED UNLESS (I) SUCH SECURITIES HAVE BEEN REGISTERED FOR SALE PURSUANT TO THE SECURITIES ACT, (II) SUCH SECURITIES MAY BE SOLD PURSUANT TO RULE 144 UNDER THE SECURITIES ACT, (III) THE COMPANY HAS RECEIVED AN OPINION OF COUNSEL REASONABLY SATISFACTORY TO IT THAT SUCH TRANSFER MAY LAWFULLY BE MADE WITHOUT REGISTRATION UNDER THE SECURITIES ACT, OR (IV) THE SECURITIES ARE TRANSFERRED WITHOUT CONSIDERATION TO AN AFFILIATE OF SUCH HOLDER OR A CUSTODIAL NOMINEE (WHICH FOR THE AVOIDANCE OF DOUBT SHALL REQUIRE NEITHER CONSENT NOR THE DELIVERY OF AN OPINION).

FORM OF WARRANT TO PURCHASE COMMON STOCK

Number of Shares: [•]
(subject to adjustment)

Warrant No. [•]

Original Issue Date: May [•], 2025

Lexeo Therapeutics, Inc., a Delaware corporation (the “**Company**”), hereby certifies that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, [•] or its registered assigns (the “**Holder**”), is entitled, subject to the terms set forth below, to purchase from the Company up to a total of [•] shares of common stock, \$0.0001 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 \$2.82 as adjusted from time to time as provided in Section 9 (the “**Exercise Price**”), upon surrender of this Warrant to Purchase Common Stock (including any Warrants to Purchase Common Stock issued in exchange, transfer or replacement hereof, the “**Warrant**”) at any time and from time to time on or after the date hereof (the “**Original Issue Date**”) and on or prior to 5:00 p.m. (New York City time) on the four-year anniversary of the Original Issue Date (the “**Expiration Date**”), but not thereafter.

1. Definitions. For purposes of this Warrant, the following terms shall have the following meanings:

“**Affiliate**” means, with respect to any Person, any other Person that, directly or indirectly through one or more intermediates, controls, is controlled by or is under common control with such Person.

“**Attribution Parties**” means, collectively, the following Persons and entities: (i) any direct or indirect Affiliates of the Holder, (ii) any Person acting or who could be deemed to be acting as a Group together with the Holder or any Attribution Parties and (iii) any other Persons whose beneficial ownership of the Company’s Common Stock would or could be aggregated with the Holder’s and/or any other Attribution Parties for purposes of Section 13(d) or Section 16 of the Exchange Act. For clarity, the purpose of the foregoing is to subject collectively the Holder and all other Attribution Parties to the Maximum Percentage.

“Closing Sale Price” means, for any security as of any date, the last trade price for such security on the Principal Trading Market for such security, as reported by Bloomberg Financial Markets, or, if such Principal Trading Market begins to operate on an extended hours basis and does not designate the last trade price, then the last trade price of such security prior to 4:00 P.M., New York City time, as reported by Bloomberg Financial Markets, or if the foregoing do not apply, the last trade price of such security in the over-the-counter market on the electronic bulletin board for such security as reported by Bloomberg Financial Markets. If the Closing Sale Price cannot be calculated for a security on a particular date on any of the foregoing bases, the Closing Sale Price of such security on such date shall be the fair market value as mutually determined by the Company and the Holder. All such determinations shall be appropriately adjusted for any stock dividend, stock split, stock combination or other similar transaction during the applicable calculation period.

“Commission” means the U.S. Securities and Exchange Commission.

“Exchange Act” means the U.S. Securities Exchange Act of 1934, as amended, and all of the rules and regulations promulgated thereunder.

“Group” shall have the meaning ascribed to it in Section 13(d) of the Exchange Act, and all related rules, regulations and jurisprudence.

“Person” means an individual, partnership, corporation, limited liability company, business trust, joint stock company, trust, unincorporated association, joint venture or any other entity or organization.

“Principal Trading Market” means the national securities exchange or other trading market on which the Common Stock is primarily listed on and quoted for trading, which, as of the Original Issue Date, shall be the Nasdaq Global Market.

“Securities Act” means the U.S. Securities Act of 1933, as amended, and all of the rules and regulations promulgated thereunder.

“Securities Purchase Agreement” means that certain Securities Purchase Agreement, dated May 27, 2025, by and among the Company and the Purchasers named on Exhibit A thereto.

“Standard Settlement Period” means the standard settlement period, expressed in a number of Trading Days, for the Principal Trading Market with respect to the Common Stock that is in effect on the date of delivery of an applicable Exercise Notice, which as of the Original Issue Date was “T+1.”

“Trading Day” means any weekday on which the Principal Trading Market is normally open for trading.

“Transfer Agent” means Equiniti Trust Company, LLC, the Company’s transfer agent and registrar for the Common Stock, and any successor appointed in such capacity.

“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 the Common Stock for such date (or the nearest preceding date) on the Trading Market on which the Common Stock is then listed or quoted as reported by Bloomberg (based on a Trading Day from 9:30 a.m. (New York City time) to 4:02 p.m. (New York City time)), (b) if OTCQB or OTCQX is not a Trading Market, the volume weighted average price of the Common Stock for such date (or the nearest preceding date) on OTCQB or OTCQX as applicable, (c) if the Common Stock is not then listed or quoted for trading on OTCQB or OTCQX and if prices for the Common Stock are then reported on The Pink Open Market (or a similar organization or agency succeeding to its functions of reporting prices), the most recent bid price per share of the Common Stock so reported, or (d) in all other cases, the fair market value of a share of Common Stock as determined by an independent appraiser selected in good faith by the 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.

2. Issuance of Securities; Registration of Warrants. The Company shall register ownership of this Warrant, upon records to be maintained by 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 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 compliance with all applicable securities laws, upon request from the Holder to transfer all or any portion of this Warrant to an Affiliate, the Company shall, or will cause its Transfer Agent to, register the transfer of all or any portion of this Warrant in the Warrant Register, as applicable, upon surrender of this Warrant and payment for all applicable transfer taxes (if any). 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, or will cause its Transfer Agent to, prepare, issue and deliver at the Company’s own expense any New Warrant under this Section 3. Until due presentment for registration of transfer, the Company may treat the registered Holder hereof as the owner and holder for all purposes, and the Company shall not be affected by any notice to the contrary. Notwithstanding anything in the foregoing, this Warrant shall not be transferrable by the Holder other than to an Affiliate.

4. Exercise of Warrants.

(a) All or any part of this Warrant shall be exercisable by the registered Holder in any manner permitted by this Warrant at any time and from time to time on or after the Original Issue Date and on or before the Expiration Date.

(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), and the date on which the last of such items is delivered to the Company (as determined in accordance with the notice provisions hereof) is an “**Exercise Date**.” The Holder shall not be required to deliver the original Warrant in order to effect an exercise hereunder. 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 Holder and any assignee, by acceptance of this Warrant, acknowledge and agree that, by reason of the provisions of this section, following the purchase of a portion of the Warrant Shares hereunder, the number of Warrant Shares available for purchase hereunder at any given time may be less than the amount stated on the face hereof.

5. Delivery of Warrant Shares.

(a) Upon exercise of this Warrant, the Company shall promptly (but in no event later than the number of Trading Days comprising the Standard Settlement Period following the Exercise Date), upon the request of the Holder, cause the Transfer Agent to credit such aggregate number of shares of Common Stock specified by the Holder in the Exercise Notice and to which the Holder is entitled pursuant to such exercise (the “**Exercise Shares**”) to (i) the Holder’s or its designee’s balance account with The Depository Trust Company (“**DTC**”) through its Deposit Withdrawal At Custodian system or (ii) in book-entry form via a direct registration system (“**DRS**”) maintained by or on behalf of the Transfer Agent, in each case, so long as either (A) there is an effective registration statement permitting the issuance of the Warrant Shares to or the resale of such Warrant Shares by the Holder or (B) the Exercise Shares are eligible for resale by the Holder without volume or manner-of-sale restrictions pursuant to Rule 144 promulgated under the Securities Act (assuming cashless exercise of this Warrant). If the conditions set forth in clauses (A) and (B) above are not then met, the Company shall cause the Transfer Agent to either (i) record the Exercise Shares in the name of the Holder or its designee on the certificates reflecting the Exercise Shares with an appropriate legend regarding restriction on transferability, which shall be issued and dispatched by overnight courier to the address as specified in the Exercise Notice, and on the Company’s share register or (ii) issue such Exercise Shares in the name of the Holder or its designee in restricted book-entry form in the Company’s share register. The Holder, or any Person 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, irrespective of the date such Warrant Shares are credited to the Holder’s DTC account, the date of the book entry positions or the date of delivery of the certificates evidencing such Exercise Shares, as the case may be.

(b) In addition to any other rights available to the Holder, if the Company fails to cause the Transfer Agent to deliver to the Holder or its designee Exercise Shares in the manner required pursuant to Section 5(a) within the Standard Settlement Period following the Exercise Date (other than a failure caused by incorrect or incomplete information provided by the Holder to the Company) and the Holder or the Holder’s broker on its behalf purchases (in an open market transaction or otherwise) shares of 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**”) but did not receive within the Standard Settlement Period, then the Company shall, within two (2) Trading Days after the Holder’s request (1) pay cash to the Holder in an amount equal to the excess (if any) of Holder’s total purchase price (including brokerage commissions, if any) for the shares of Common Stock so purchased in the Buy-In, less the product of (A) the number of shares of Common Stock purchased in the Buy-In, times (B) the Closing Sale Price of a share of Common Stock on the Exercise Date and (2) 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 promptly after the occurrence of a Buy-In, indicating the amounts payable to the Holder in respect of the Buy-In together with applicable confirmations and other evidence reasonably requested by the Company.

(c) To the extent permitted by law and subject to Section 5(b), 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 11 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, or any setoff, counterclaim, recoupment, limitation or termination, or any breach or alleged breach by the Holder or any other Person of any obligation to the Company or any violation or alleged violation of law by the Holder or any other Person, and irrespective of any other circumstance that might otherwise limit such obligation of the Company to the Holder in connection with the issuance of Warrant Shares. Subject to Section 5(b), 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 Exercise Shares; provided, however, that the Holder shall not be entitled to both (i) require the Company to reinstate the portion of the Warrant and equivalent number of Warrant Shares for which such exercise was not timely honored and (ii) receive the number of shares of Common Stock that would have been issued if the Company had timely complied with its delivery requirements under Section 5(a).

6. Charges, Taxes and Expenses. Issuance and delivery of Exercise Shares shall be made without charge to the Holder for any issue or transfer tax, transfer agent fee or other incidental tax or expense (excluding any applicable stamp duties) in respect of the issuance of such 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 of any 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 liability 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 contractual indemnity, if requested by the Company. 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 while this Warrant is outstanding, 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 in accordance with the terms hereof, be duly and validly authorized, issued and fully paid and non-assessable. The Company will take all such action as may be reasonably 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. The Company further covenants that it will not, without the prior written consent of the Holder, take any actions to increase the par value of the Common Stock at any time while this Warrant is outstanding.

9. Certain Adjustments. The Exercise Price and number of Warrant Shares issuable upon exercise of this Warrant (the "Number of Warrant Shares") 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 issued and outstanding on the Original Issue Date and in accordance with the terms of such stock on the Original Issue Date or as amended, that is payable in shares of Common Stock, (ii) subdivides its outstanding shares of Common Stock into a larger number of shares of Common Stock, (iii) combines its outstanding shares of Common Stock into a smaller number of shares of Common Stock or (iv) issues by reclassification of shares of capital stock any additional shares of Common Stock of the Company, then in each such case the Number of Warrant Shares shall be multiplied by a fraction, the numerator of which shall be the number of shares of Common Stock outstanding immediately after such event and the denominator of which shall be the number of shares of Common Stock outstanding immediately before 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, provided, however, that if such record date shall have been fixed and such dividend is not fully paid on the date fixed therefor, the Number of Warrant Shares shall be recomputed accordingly as of the close of business on such record date and thereafter the Number of Warrant Shares shall be adjusted pursuant to this paragraph as of the time of actual payment of such dividends. Any adjustment pursuant to clause (ii), (iii) or (iv) of this paragraph shall become effective immediately after the effective date of such subdivision, combination or issuance.

(b) Pro Rata Distributions. If, on or after the Original Issue Date, the Company shall declare or make any dividend or other pro rata distribution of its assets (or rights to acquire its assets) to holders of shares of Common Stock, by way of return of capital or otherwise (including, without limitation, any distribution of cash, stock or other securities, property, options, evidence of indebtedness or any other assets by way of a dividend, spin off, reclassification, corporate rearrangement, scheme of arrangement or other similar transaction, but, for the avoidance of doubt, excluding any distribution of shares of Common Stock subject to Section 9(a), any distribution of Purchase Rights (as defined below) subject to Section 9(c) and any Fundamental Transaction (as defined below) subject to Section 9(d)), (a “**Distribution**”) then, in each such case, the Holder shall be entitled to participate in such Distribution to the same extent that the Holder would have participated therein if the Holder had held the number of shares of Common Stock acquirable upon complete exercise of this Warrant (without regard to any limitations or restrictions on exercise of this Warrant, including without limitation, the Maximum Percentage (as defined below)) immediately before the date on which a record is taken for such Distribution, or, if no such record is taken, the date as of which the record holders of shares of Common Stock are to be determined for the participation in such Distribution (provided, that to the extent that the Holder’s right to participate in any such Distribution would result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, then the Holder shall not be entitled to participate in such Distribution to such extent (and shall not be entitled to beneficial ownership of such shares of Common Stock as a result of such Distribution (and beneficial ownership) to such extent) and the portion of such Distribution shall be held in abeyance for the benefit of the Holder until such time or times as its right thereto would not result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, at which time or times the Holder shall be granted such Distribution (and any Distributions declared or made on such initial Distribution or on any subsequent Distribution held similarly in abeyance) to the same extent as if there had been no such limitation).

(c) Purchase Rights. If at any time on or after the Original Issue Date, the Company grants, issues or sells any Options, Convertible Securities or rights to purchase stock, warrants, securities or other property, in each case pro rata to the record holders of any class of Common Stock (the “**Purchase Rights**”), then the Holder will be entitled to acquire, upon the terms applicable to such Purchase Rights, the aggregate Purchase Rights which the Holder could have acquired if the Holder had held the number of shares of Common Stock acquirable upon complete exercise of this Warrant (without regard to any limitations or restrictions on exercise of this Warrant, including without limitation, the Maximum Percentage) immediately before the date on which a record is taken for the grant, issuance or sale of such Purchase Rights, or, if no such record is taken, the date as of which the record holders of Common Stock are to be determined for the grant, issuance or sale of such Purchase Rights (provided, that to the extent that the Holder’s right to participate in any such Purchase Right would result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, then the Holder shall not be entitled to participate in such Purchase Right to such extent (and shall not be entitled to beneficial ownership of such Common Stock as a result of such Purchase Right (and beneficial ownership) to such extent) and at the Holder’s election, in its sole discretion, either (1) such Purchase Right to such extent shall be held in abeyance for the benefit of the Holder until such time or times as its right thereto would not result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, at which time or times the Holder shall be granted such right (and any Purchase Right granted, issued or sold on such initial Purchase Right or on any subsequent Purchase Right to be held similarly in abeyance) to the same extent as if there had been no such limitation) or (2) the Company shall offer the Holder the right upon exercise of such Purchase Right to acquire a security (e.g. a pre-funded warrant) that would not result in the Holder and the other Attribution Parties exceeding the Maximum Percentage but will otherwise to the extent possible have economic and other rights, preferences and privileges substantially consistent and on par with the securities or other property issuable upon exercise of the originally offered Purchase Rights. As used in this Section 9(c), (i) “Options” means any rights, warrants or options to subscribe for or purchase shares of Common Stock or Convertible Securities and (ii) “Convertible Securities” mean any stock or securities (other than Options) directly or indirectly convertible into or exercisable or exchangeable for shares of Common Stock.

(d) Fundamental Transactions. If, at any time while this Warrant is outstanding (i) the Company effects any merger or consolidation of the Company with or into another Person, in which the Company is not the surviving entity or in which the stockholders of the Company immediately prior to such merger or consolidation do not own, directly or indirectly, at least 50% of the voting power of the surviving entity immediately after such merger or consolidation, (ii) the Company effects any sale to another Person of all or substantially all of its assets in one or a series of related transactions, (iii) pursuant to any tender offer or exchange offer (whether by the Company or another Person), holders of capital stock tender shares representing more than 50% of the voting power of the capital stock of the Company and the Company or such other Person, as applicable, accepts such tender for payment, (iv) the Company consummates a stock purchase agreement or other business combination (including, without limitation, a reorganization, recapitalization, spin-off or scheme of arrangement) with another Person whereby such other Person acquires more than 50% of the voting power of the capital stock of the Company (except for any such transaction in which the stockholders of the Company immediately prior to such transaction maintain, in substantially the same proportions, the voting power of such Person immediately after the transaction), provided, however, that the foregoing shall not include transactions for which the primary purpose is raising capital or (v) the Company effects any reclassification of the Common Stock or any compulsory share exchange pursuant to which the Common Stock is effectively converted into or exchanged for other securities, cash or property (other than as a result of a subdivision or combination of shares of Common Stock covered by Section 9(a) above) (in any such case, a “**Fundamental Transaction**”), then following such Fundamental Transaction the Holder shall have the right to receive, upon exercise of this Warrant, the same amount and kind of securities, cash 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 (including any Distributions or Purchase Rights then held in abeyance pursuant to Sections 9(b) or 9(c) above) without regard to any limitations on exercise contained herein (the “**Alternate Consideration**”) (provided, that to the extent that the Holder’s right to receive any such Alternate Consideration would result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, then the Holder shall not be entitled to receive such Alternate Consideration to such extent (and shall not be entitled to beneficial ownership of such Common Stock as a result of such Alternate Consideration (and beneficial ownership) to such extent) and at the Holder’s election, in its sole discretion, either (1) such Alternate Consideration to such extent shall be held in abeyance for the benefit of the Holder until such time or times as its right thereto would not result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, at which time or times the Holder shall be granted such right (and any Alternate Consideration granted, issued or sold on such initial receipt or on any subsequent receipt to be held similarly in abeyance) to the same extent as if there had been no such limitation) or (2) the Company shall offer the Holder the right upon receipt of such Alternate Consideration to acquire a security (e.g. a pre-funded warrant) that would not result in the Holder and the other Attribution Parties exceeding the Maximum Percentage but will otherwise to the extent possible have economic and other rights, preferences and privileges substantially consistent and on par with the securities or other property issuable upon exercise of the originally offered Alternate Consideration. The Company shall not effect any Fundamental Transaction in which the Company is not the surviving entity or the Alternate Consideration includes securities of another Person unless (i) the Alternate Consideration is solely cash and the Company provides for the simultaneous “cashless exercise” of this Warrant pursuant to Section 10 below or (ii) prior to or simultaneously with the consummation thereof, any successor to the Company, surviving entity or other Person (including any purchaser of assets of the Company) 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 paragraph (d) shall similarly apply to subsequent transactions analogous to a Fundamental Transaction type. If the Company undertakes a Fundamental Transaction in which the Company is not the surviving entity and the Alternate Consideration includes securities of another Person, then the Company shall provide that, prior to or simultaneously with the consummation of such Fundamental Transaction, any successor to the Company, surviving entity or other Person (including any purchaser of assets of the Company) shall assume the obligation to deliver to the Holder such Alternate Consideration as the Holder is entitled to receive in accordance with the foregoing provisions, and to assume the other obligations under this Warrant. For purposes of any such exercise, the determination of the Exercise Price shall be appropriately adjusted to apply to such Alternate Consideration based on the amount of Alternate Consideration issuable in respect of one share of Common Stock in such Fundamental Transaction, and the Company shall apportion the Exercise Price among the Alternate Consideration in a reasonable manner reflecting the relative value of any different components of the Alternate Consideration. If holders of Common Stock are given any choice as to the securities, cash or property to be received in a Fundamental Transaction, then the Holder shall be given the same choice as to the Alternate Consideration it receives upon any exercise of this

Warrant following such Fundamental Transaction. Notwithstanding anything to the contrary, in the event of a Fundamental Transaction, the Company or any Successor Entity (as defined below) shall, at the Holder's option, exercisable at any time concurrently with, or within 30 days after, the consummation of the Fundamental Transaction (or, if later, the date of the public announcement of the applicable Fundamental Transaction), purchase this Warrant from the Holder by paying to the Holder, as described below, an amount of cash equal to the Black Scholes Value (as defined below) of the remaining unexercised portion of this Warrant on the date of the consummation of such Fundamental Transaction; provided, however, that, if the Fundamental Transaction is not within the Company's control, including not approved by the Company's Board of Directors, the Holder shall only be entitled to receive from the Company or any Successor Entity, the same type or form of consideration (and in the same proportion), valued at the Black Scholes Value of the unexercised portion of this Warrant, that is being offered and paid to the holders of Common Stock of the Company in connection with the Fundamental Transaction, whether that consideration be in the form of cash, stock or any combination thereof, or whether the holders of Common Stock are given the choice to receive from among alternative forms of consideration in connection with the Fundamental Transaction; provided further, that if holders of Common Stock of the Company are not offered or paid any consideration in such Fundamental Transaction, such cash payment right shall not apply. **"Black Scholes Value"** means the value of this Warrant based on the Black-Scholes Option Pricing Model obtained from the "OV" function on the Bloomberg Financial Markets determined as of the day of consummation of the Fundamental Transaction of the Company for pricing purposes and reflecting (A) a risk-free interest rate corresponding to the U.S. Treasury rate for a period equal to the time between the date of the public announcement of the Fundamental Transaction and the Expiration Date, (B) an expected volatility equal to the greater of (i) 100% and (ii) the 100 day volatility, each obtained from the HVT function on Bloomberg (determined utilizing a 365 day annualization factor) as of the Trading Day immediately following the public announcement of the Fundamental Transaction, (C) the underlying price per share used in such calculation shall be the greater of (i) the sum of the price per share being offered in cash, if any, plus the value of any non-cash consideration, if any, being offered in such Fundamental Transaction and (ii) the greater of (x) the last VWAP immediately prior to the public announcement of such Fundamental Transaction and (y) the last VWAP immediately prior to the consummation of the Fundamental Transaction, (D) a remaining option time equal to the time between the date of the public announcement of the Fundamental Transaction and the Expiration Date and (E) a zero cost of borrow. The payment of the Black Scholes Value will be made by wire transfer of immediately available funds (or such other consideration) within the later of (i) five Business Days of the Holder's election and (ii) the effective date of consummation of the Fundamental Transaction. The terms of any agreement pursuant to which a Fundamental Transaction is effected shall include terms requiring any such successor or surviving entity to comply with the provisions of this Section 9(d) and insuring that this Warrant (or any such replacement security) will be similarly adjusted upon any subsequent Fundamental Transaction. The Company shall cause, to the extent the Fundamental Transaction is within the Company's control, any successor entity in a Fundamental Transaction in which the Company is not the survivor (the **"Successor Entity"**) to assume in writing all of the obligations of the Company under this Warrant and the Securities Purchase Agreement in accordance with the provisions of this Section 9(d) and shall, at the option of the Holder, deliver to the Holder in exchange for this Warrant a security of the Successor Entity evidenced by a written instrument substantially similar in form and substance to this Warrant which is exercisable for a corresponding number of shares of capital stock of such Successor Entity (or its parent entity) equivalent to the shares of Common Stock acquirable and receivable upon exercise of this Warrant (without regard to any limitations on the exercise of this Warrant) prior to such Fundamental Transaction, and with an exercise price which applies the exercise price hereunder to such shares of capital stock (but taking into account the relative value of the shares of Common Stock pursuant to such Fundamental Transaction and the value of such shares of capital stock, such number of shares of capital stock and such exercise price being for the purpose of protecting the economic value of this Warrant immediately prior to the consummation of such Fundamental Transaction). Upon the occurrence of any such Fundamental Transaction, the Successor Entity shall succeed to, and be substituted for (so that from and after the date of such Fundamental Transaction, the provisions of this Warrant and the Securities Purchase Agreement referring to the "Company" shall refer instead to the Successor Entity), and may exercise every right and power of the Company and shall assume all of the obligations of the Company under this Warrant and the Securities Purchase Agreement with the same effect as if such Successor Entity had been named as the Company herein.

(e) Number of Warrant Shares. Simultaneously with any adjustment to the Number of Warrant Shares pursuant to Section 9, the Exercise Price 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. Notwithstanding the foregoing, in no event may the Exercise Price be adjusted below the par value of the Common Stock then in effect.

(f) Calculations. All calculations under this Section 9 shall be made to the nearest one-tenth of one cent or the nearest share, as applicable.

(g) 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 Transfer Agent.

(h) 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 or any subsidiary, (ii) authorizes or approves, 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 ten (10) 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. In the event such notice and the contents thereof shall be deemed to constitute material non-public information, the Company shall (on the same time frame set forth in the immediately prior sentence) offer the Holder the ability to sign a confidentiality agreement related thereto sufficient to allow the Holder to receive such notice, and the Company shall deliver such notice immediately upon execution of such confidentiality agreement. If the holder does not sign the confidentiality agreement, then the Holder shall not receive such notice. In addition, if while this Warrant is outstanding, the Company authorizes or approves, enters into any agreement contemplating or solicits stockholder approval for any Fundamental Transaction contemplated by Section 9(d), other than a Fundamental Transaction under clause (iii) of Section 9(d), the Company shall deliver to the Holder a notice of such Fundamental Transaction at least thirty (30) days prior to the date such Fundamental Transaction is consummated. Holder agrees to maintain any information disclosed pursuant to this Section 9(h) in confidence until such information is publicly available, and shall comply with applicable law with respect to trading in the Company's securities following receipt of any such information.

(i) Voluntary Adjustment By Company. Subject to the rules and regulations of the Principal Trading Market, the Company may at any time during the term of this Warrant, reduce the then-current Exercise Price to any amount and for any period of time deemed appropriate by the board of directors of the Company.

10. Payment of Exercise Price. If, and only if, at the time of exercise hereof, there is no effective registration statement registering, or no current prospectus available for, the resale of the Warrant Shares by the Holder, then the Holder may, in its sole discretion, satisfy its obligation to pay the Exercise Price through a "cashless exercise", in which event the Company shall issue to the Holder the number of Warrant Shares in an exchange of securities effected pursuant to Section 3(a)(9) of the Securities Act, determined as follows:

$$X = Y [(A-B)/A]$$

where:

"X" equals the number of Warrant Shares to be issued to the Holder;

"Y" equals the total number of Warrant Shares with respect to which this Warrant is then being exercised;

“A” equals the Closing Sale Price of the shares of Common Stock as of the Trading Day on the date immediately preceding the Exercise Date; and

“B” equals the Exercise Price then in effect for the applicable Warrant Shares at the time of such exercise.

For purposes of Rule 144 promulgated under the Securities Act, it is intended, understood and acknowledged that the Warrant Shares issued in a “cashless exercise” transaction shall be deemed to have been acquired by the Holder, and the holding period for the Warrant Shares shall be deemed to have commenced, on the Original Issue Date (provided that the Commission continues to take the position that such treatment is proper at the time of such exercise). In the event that a registration statement registering the issuance of Warrant Shares is, for any reason, not effective at the time of exercise of this Warrant, then this Warrant may only be exercised through a cashless exercise, as set forth in this Section 10. The Company acknowledges and agrees that, in accordance with Section 3(a)(9) of the Securities Act, any Warrant Shares issued pursuant to such a cashless exercise shall take on the characteristics of the Warrants being exercised and that, for purposes of Rule 144 under the Securities Act, the holding period of the Warrant Shares being issued may be tacked on to the exercising holder’s holding period of this Warrant. Except as set forth in Section 5(b) (buy-in remedy) and Section 12 (No Fractional Shares), in no event will the exercise of this Warrant be settled in cash.

11. Limitations on Exercise

(a) Notwithstanding anything to the contrary contained herein, the Company shall not effect the exercise of any portion of this Warrant, and the Holder of this Warrant shall not exercise any portion of the Warrant, and any such exercise shall be null and void ab initio and treated as if the exercise had not been made, to the extent that immediately prior to or following such exercise, the Holder, together with the Attribution Parties, beneficially owns or would beneficially own as determined in accordance with Section 13(d) of the Exchange Act and the rules promulgated thereunder, in excess of 9.99% (the “**Maximum Percentage**”) of the Common Stock that would be issued and outstanding following such exercise. For purposes of calculating beneficial ownership for determining whether the Maximum Percentage is or will be exceeded, the aggregate number of shares of Common Stock held and/or beneficially owned by the Holder together with the Attribution Parties, shall include the number of shares of Common Stock held and/or beneficially owned by the Holder together with the Attribution Parties plus the number of shares of Common Stock issuable upon exercise of the relevant Warrant with respect to which the determination is being made but shall exclude the number of shares of Common Stock which would be issuable upon (i) exercise of the remaining, unexercised Warrant held and/or beneficially owned by the Holder or the Attribution Parties and (ii) exercise or conversion of the unexercised or unconverted portion of any other securities of the Company held and/or beneficially owned by such Holder or any Attribution Party (including, without limitation, any convertible notes, convertible stock or warrants) that are subject to a limitation on conversion or exercise analogous to the limitation contained herein. For purposes of this Paragraph 11(a), beneficial ownership of the Holder or the Attribution Parties shall, except as set forth in the immediately preceding sentence, be calculated and determined in accordance with Section 13(d) of the Exchange Act and the rules promulgated thereunder. For purposes of this Warrant, in determining the number of outstanding shares of Common Stock, a Holder of this Warrant may rely on the number of outstanding shares of Common Stock as reflected in (1) the Company’s most recent Form 10-K, Form 10-Q, Current Report on Form 8-K or other public filing with the Securities and Exchange Commission, as the case may be, (2) a more recent public announcement by the Company or (3) any other notice by the Company or the Company’s transfer agent setting forth the number of shares of Common Stock outstanding (such issued and outstanding shares, the “**Reported Outstanding Share Number**”). For any reason at any time, upon the written or oral request of the Holder, the Company shall within one Trading Day confirm in writing or by electronic mail to the Holder the number of shares of Common Stock then outstanding. The Holder shall disclose to the Company the number of shares of Common Stock that it, together with the Attribution Parties holds and/or beneficially owns and has the right to acquire through the exercise of derivative securities and any limitations on exercise or conversion analogous to the limitation contained herein contemporaneously or immediately prior to submitting an Exercise Notice for the relevant Warrant. If the Company receives an Exercise Notice from the Holder at a time when the actual number of outstanding shares of Common Stock is less than the Reported Outstanding Share Number, the Company shall (i) notify the Holder in writing of the number of shares of Common Stock then outstanding and, to the extent that such Exercise Notice would otherwise cause the Holder’s, together with the Attribution Parties’, beneficial ownership, as determined pursuant to this Section 11(a), to exceed the Maximum Percentage, the Holder must notify the Company of a reduced number of Warrant Shares to be purchased pursuant to such Exercise Notice (the number of shares by which such purchase is reduced, the “**Reduction Shares**”) or that no reduction is necessary in order to receive shares in compliance with the Maximum Percentage, and (ii) as soon as reasonably practicable, the Company shall return to the Holder any exercise price paid by the Holder for the Reduction Shares (if any) and to issue the shares to the Holder (reduced by the Reduction Shares, if applicable). In any case, the number of outstanding shares of Common Stock shall be determined after giving effect to the conversion or exercise of securities of the Company, including this Warrant, by the Holder and the Attribution Parties since the date as of which the Reported Outstanding Share Number was reported. In the event that the issuance of Common Stock to the Holder upon exercise of this Warrant results in the Holder, together with the Attribution Parties, being deemed to beneficially own, in the aggregate, more than the Maximum Percentage of the number of outstanding shares of Common Stock (as determined under Section 13(d) of the Exchange Act), the number of shares so issued by which the Holder’s, together with the Attribution Parties’, aggregate beneficial ownership exceeds the Maximum Percentage (the “**Excess Shares**”) shall be deemed null and void and shall be cancelled ab initio, and the Holder and/or the Attribution Parties shall not have the power to vote or to transfer the Excess Shares. As soon as reasonably practicable after the issuance of the Excess Shares has been deemed null and void, the Company shall return to the Holder the exercise price paid by the Holder for the Excess Shares and the Holder shall return such Excess Shares (if in its possession) to the Company. By written notice to the Company, a Holder of this Warrant may from time to time increase or decrease the Maximum Percentage to any other percentage specified in such notice, provided however, that (1) in no case shall the percentage specified be in excess of 19.99% and (2) any increase in the Maximum Percentage will not be effective until the 61st day after such notice is delivered to the Company and shall not negatively affect any partial exercise effected prior to such change.

(b) This Section 11 shall not restrict the number of shares of Common Stock which a Holder or the Attribution Parties may receive or beneficially own in order to determine the amount of securities or other consideration that such Holder or the Attribution Parties may receive in the event of a Fundamental Transaction as contemplated in Section 9(c) of this Warrant. For purposes of clarity, the shares of Common Stock issuable pursuant to the terms of this Warrant in excess of the Maximum Percentage shall be deemed to not be beneficially owned by the Holder or the Attribution Parties for any purpose including for purposes of Section 13(d) of the Exchange Act and the rules promulgated thereunder or Section 16 of the Exchange Act and the rules promulgated thereunder, including Rule 16a-1(a)(1). No prior inability to exercise this Warrant pursuant to this paragraph shall have any effect on the applicability of the provisions of this paragraph with respect to any subsequent determination of exercisability. The provisions of this paragraph shall be construed and implemented in a manner otherwise than in strict conformity with the terms of this Section 11 to the extent necessary to correct this paragraph or any portion of this paragraph which may be defective or inconsistent with the intended beneficial ownership limitation contained in this Section 11 or to make changes or supplements necessary or desirable to properly give effect to such limitation. The limitation contained in this paragraph may not be waived and shall apply to a successor holder of this Warrant.

12. 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.

13. 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 confirmed e-mail at the e-mail address specified by the Company 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 e-mail at the e-mail address specified by the Company 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, or (iv) upon actual receipt by the Person to whom such notice is required to be given, if by hand delivery.

14. Warrant Agent. The Company shall initially serve as warrant agent under this Warrant. Upon 30 days' 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 shareholders 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.

15. Miscellaneous.

(a) **No Rights as a Stockholder.** Except as otherwise set forth in this Warrant, 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 (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) Further Assurances. 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 non-assessable 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. Before taking any action which would result in an adjustment in the number of Warrant Shares for which this Warrant is exercisable or in the Exercise Price, the Company shall obtain all such authorizations or exemptions thereof, or consents thereto, as may be necessary from any public regulatory body or bodies having jurisdiction thereof.

(c) Successors and Assigns. Subject to 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 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) Amendment and Waiver. Except as otherwise provided herein, the provisions of this Warrant 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 Holder.

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

(f) 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 OF NEW YORK, BOROUGH OF MANHATTAN, FOR THE ADJUDICATION OF ANY DISPUTE HEREUNDER OR IN CONNECTION HERewith OR WITH ANY TRANSACTION CONTEMPLATED HEREBY OR DISCUSSED HEREIN (INCLUDING WITH RESPECT TO THE ENFORCEMENT OF ANY OF THE TRANSACTION DOCUMENTS), AND HEREBY IRREVOCABLY WAIVES, AND AGREES NOT TO ASSERT IN ANY SUIT, ACTION OR PROCEEDING, ANY CLAIM THAT IT IS NOT PERSONALLY SUBJECT TO THE JURISDICTION OF ANY SUCH COURT. 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 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.

(g) 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.

(h) Severability. If any part or provision of this Warrant is held unenforceable or in conflict with the applicable laws or regulations of any jurisdiction, the invalid or unenforceable part or provisions shall be replaced with a provision which accomplishes, to the extent possible, the original business purpose of such part or provision in a valid and enforceable manner, and the remainder of this Warrant shall remain binding upon the parties hereto.

[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.

LEXEO THERAPEUTICS, 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 Lexeo Therapeutics, 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” under Section 10 of the Warrant

(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, as amended) permitted to be owned under Section 11(a) of the Warrant to which this notice relates.

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)

SECURITIES PURCHASE AGREEMENT

BY AND AMONG

LEXEO THERAPEUTICS, INC.

AND

THE PURCHASERS

MAY 27, 2025

TABLE OF CONTENTS

1.	Definitions	5
2.	Purchase and Sale of Securities	8
2.1	Purchase and Sale	8
2.2	Closing	8
3.	Representations and Warranties of the Company	9
3.1	Financial Statements	9
3.2	No Material Adverse Change	9
3.3	Organization and Good Standing	9
3.4	Capitalization	10
3.5	Stock Options	10
3.6	Due Authorization	10
3.7	Valid Issuance	11
3.8	No Violation or Default	11
3.9	No Conflicts	11
3.10	No Consents Required	11
3.11	Legal Proceedings	12
3.12	Title to Real and Personal Property	12
3.13	Intellectual Property	13
3.14	Investment Company Act	14
3.15	Taxes	14
3.16	Licenses and Permits	14
3.17	No Labor Disputes	14
3.18	Certain Environmental Matters	14
3.19	Compliance with ERISA	15
3.20	Disclosure Controls	15
3.21	Accounting Controls	16
3.22	Insurance	16
3.23	Cybersecurity; Data Protection	16
3.24	No Unlawful Payments	17
3.25	Compliance with Anti-Money Laundering Laws	17
3.26	No Conflicts with Sanctions Laws	17
3.27	No Registration Rights	17
3.28	Sarbanes-Oxley Act	18
3.29	Status under the Securities Act	18
3.30	Clinical Trials, Preclinical Studies and Tests and Regulatory Compliance	18
3.31	Regulatory Filings	19
3.32	Compliance with Health Care Laws	19
3.33	Brokers and Finders	19
3.34	No Additional Agreements	19
3.35	Transactions with Affiliates and Employees	20
3.36	Shell Company Status	20
3.37	OFAC	20
3.38	Brokers and Finders	20
3.39	Reliance by the Purchasers	20
3.40	SEC Reports	20
3.41	Regulation M Compliance	20

3.42	Private Placement	20
4.	Representations and Warranties of Each Purchaser	21
4.1	Organization	21
4.2	Authorization	21
4.3	No Conflict	21
4.4	Consents	21
4.5	Residency	21
4.6	Brokers and Finders	21
4.7	Investment Representations and Warranties	22
4.8	Intent	22
4.9	Investment Experience; Ability to Protect Its Own Interests and Bear Economic Risks	22
4.10	Tax Advisors	22
4.11	Securities Not Registered; Legends	23
4.12	Placement Agents	24
4.13	Reliance by the Company	24
4.14	No General Solicitation	24
4.15	No Reliance	24
4.16	Access to Information	25
4.17	Certain Trading Activities	25
5.	Covenants	25
5.1	Further Assurances	25
5.2	Listing	25
5.3	Disclosure of Transactions	26
5.4	Integration	26
5.5	Pledge of Securities	26
5.6	Subsequent Equity Sales	27
5.7	Reservation of Common Stock	27
5.8	Use of Proceeds	27
5.9	Removal of Legends	27
5.10	Material Non-Public Information	28
5.11	Equal Treatment of Purchasers	28
5.12	Blue Sky Laws	28
5.13	Indemnification	29
6.	Conditions of Closing	29
6.1	Conditions to the Obligation of the Purchasers	29
6.2	Conditions to the Obligation of the Company	31
7.	Termination	31
7.1	Conditions of Termination	31
8.	Miscellaneous Provisions	32
8.1	Interpretation	32
8.2	Notices	32
8.3	Severability	33

8.4	Governing Law; Submission to Jurisdiction; Venue	33
8.5	Waiver	33
8.6	Expenses	34
8.7	Assignment	34
8.8	Confidential Information	34
8.9	Third Parties	35
8.10	Independent Nature of Purchasers' Obligations and Right	35
8.11	Counterparts	35
8.12	Entire Agreement; Amendments	35
8.13	Survival	36
8.14	Mutual Drafting	36
8.15	Reliance	36
8.16	Additional Matters	36
8.17	Waiver of Jury Trial	36

Exhibits

Exhibit A	Purchasers	A-1
Exhibit B-1	Form of Common Warrant	B-1
Exhibit B-2	Form of Pre-Funded Warrant	B-2
Exhibit C	Registration Rights Agreement	C-1
Exhibit D	Form of Lock-up Agreement	D-1
Exhibit E	Wire Instructions	E-1

This SECURITIES PURCHASE AGREEMENT (this “**Agreement**”) is dated as of May 27, 2025, by and among Lexeo Therapeutics, Inc., a Delaware corporation (the “**Company**”), and the individuals and entities listed on Exhibit A attached to this Agreement (each, a “**Purchaser**” and together, the “**Purchasers**”).

WHEREAS, the Company and the Purchasers 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**”);

WHEREAS, the Company desires to issue and sell to the Purchasers, and each Purchaser desires to purchase from the Company, severally and not jointly, upon the terms and subject to the conditions stated in this Agreement, shares of the Company’s common stock, par value \$0.0001 per share (the “**Common Stock**”), warrants to purchase Common Stock in the form attached hereto as Exhibit B-1 (the “**Common Warrants**”), and/or pre-funded warrants to purchase Common Stock in the form attached hereto as Exhibit B-2 (the “**Pre-Funded Warrants**,” together with the Common Warrants, the “**Warrants**” and the Warrants collectively with the Shares (as defined below), the “**Securities**”); and

WHEREAS, contemporaneously with the sale of the Securities, the parties hereto will execute and deliver a Registration Rights Agreement, substantially in the form attached hereto as Exhibit C, pursuant to which the Company will agree to provide certain registration rights in respect of the Shares (as defined below) and the Warrant Shares (as defined below) under the Securities Act and applicable state securities laws; and

WHEREAS, J.P. Morgan Securities LLC (“**J.P. Morgan**”), Oppenheimer & Co. Inc. (“**Oppenheimer**”), Leerink Partners LLC (“**Leerink Partners**”), Stifel, Nicolaus & Company, Incorporated (“**Stifel**”), Guggenheim Securities, LLC (“**Guggenheim**”) and Robert W. Baird & Co. Incorporated (“**Baird**”) have been engaged as placement agents for the offering of the Securities.

NOW THEREFORE, in consideration of the mutual agreements, representations, warranties and covenants herein contained, the Company and each Purchaser, severally and not jointly, agree as follows:

1. Definitions. As used in this Agreement, the following terms shall have the following respective meanings:

“**Actions**” has the meaning set forth in Section 3.11.

“**Affiliate**” shall mean, 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.

“**Agreement**” has the meaning set forth in the recitals hereof.

“**Amended and Restated Certificate of Incorporation**” shall mean the Certificate of Incorporation of the Company, as currently in effect.

“**Amended and Restated Bylaws**” shall mean the Bylaws of the Company, as currently in effect.

“**Anti-Money Laundering Laws**” has the meaning set forth in Section 3.25 hereof.

“**Baird**” has the meaning set forth in the recitals hereof.

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

“**Closing**” has the meaning set forth in Section 2.2 hereof.

“**Closing Date**” shall mean May 28, 2025.

“**Code**” shall mean the Internal Revenue Code of 1986, as amended.

“**Common Stock**” has the meaning set forth in the recitals hereof.

“**Common Stock Equivalents**” means any securities of the Company 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.

“**Common Warrants**” has the meaning set forth in the recitals hereof.

“**Company**” has the meaning set forth in the recitals hereof.

“**Company Stock Plans**” has the meaning set forth in Section 3.5 hereof.

“**Covered Person**” has the meaning set forth in Section 3.33 hereof.

“**Disclosure Document**” has the meaning set forth in Section 5.3 hereof.

“**Disqualification Event**” has the meaning set forth in Section 3.33 hereof.

“**Environmental Laws**” has the meaning set forth in Section 3.18 hereof.

“**ERISA**” shall mean the Employee Retirement Income Security Act of 1974, as amended.

“**Exchange Act**” shall mean the Securities Exchange Act of 1934, as amended, and all of the rules and regulations promulgated thereunder.

“**FDA**” has the meaning set forth in Section 3.30.

“**GAAP**” has the meaning set forth in Section 3.1 hereof.

“**Guggenheim**” has the meaning set forth in the recitals hereof.

“**Health Care Laws**” has the meaning set forth in Section 3.32 hereof.

“**Intellectual Property**” has the meaning set forth in Section 3.13 hereof.

“**IT Systems**” has the meaning set forth in Section 3.23 hereof.

“**J.P. Morgan**” has the meaning set forth in the recitals hereof.

“**Leerink Partners**” has the meaning set forth in the recitals hereof.

“**Material Adverse Effect**” has the meaning set forth in Section 3.3.

“**Nasdaq Market**” means the Nasdaq Global Market.

“**National Exchange**” means any of the following markets or exchanges on which the Common Stock is listed or quoted for trading on the date in question, together with any successor thereto: the NYSE American, The New York Stock Exchange, the Nasdaq Global Market, the Nasdaq Global Select Market and the Nasdaq Capital Market.

“**Oppenheimer**” has the meaning set forth in the recitals hereof.

“**Person**” shall mean an individual, partnership, corporation, limited liability company, business trust, joint stock company, trust, unincorporated association, joint venture or any other entity or organization.

“**Personal Data**” has the meaning set forth in Section 3.23 hereof.

“**Placement Agents**” means J.P. Morgan, Oppenheimer, Leerink Partners, Stifel, Guggenheim and Baird.

“**Pre-Funded Warrants**” has the meaning set forth in the recitals hereof.

“**Pre-Funded Warrant Shares**” means the shares of Common Stock issuable upon exercise of the Pre-Funded Warrants.

“**Purchaser**” and “**Purchasers**” have the meanings set forth in the recitals hereof.

“**Purchaser Adverse Effect**” has the meaning set forth in Section 4.3 hereof.

“**Registration Rights Agreement**” has the meaning set forth in Section 6.1(j) hereof.

“**Regulatory Authorities**” has the meaning set forth in Section 3.30.

“**Rule 144**” means Rule 144 promulgated by the SEC 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 SEC having substantially the same effect as such Rule.

“**Sanctioned Territory**” has the meaning set forth in Section 3.26 hereof.

“**Sanctions**” has the meaning set forth in Section 3.26 hereof.

“**SEC**” means the United States Securities and Exchange Commission.

“**SEC Reports**” means (i) the Company’s Annual Report on Form 10-K for the year ended December 31, 2024, filed with the SEC on March 24, 2025 and (ii) any Quarterly Reports on Form 10-Q or any Current Reports on Form 8-K filed or furnished (as applicable) by the Company after December 31, 2024, together in each case with any documents incorporated by reference therein or exhibits thereto.

“**Securities**” has the meaning set forth in the recitals hereof.

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

“**Shares**” means the shares of Common Stock issued or issuable to each Purchaser pursuant to this Agreement but excluding the Warrant Shares.

“**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 non-U.S. regulated brokers (but shall not be deemed to include the location and/or reservation of borrowable shares of Common Stock).

“**Stifel**” has the meaning set forth in the recitals hereof.

“**Stock Options**” has the meaning set forth in Section 3.5.

“**Studies**” has the meaning set forth in Section 3.30.

“**Subscription Amount**” means the aggregate amount to be paid for the Shares and Warrants purchased hereunder as indicated under the heading “Subscription Amount” on Exhibit A.

“**Transaction Agreements**” shall mean this Agreement, the Registration Rights Agreement, the Common Warrant, the Pre-Funded Warrant, and all exhibits and schedules thereto and hereto and any other documents or agreements executed in connection with the transactions contemplated hereunder and thereunder.

“**Transfer Agent**” shall mean Equiniti Trust Company, LLC, or such other financial institution that provides transfer agent services as proposed by the Company and consented to by the Purchasers, which consent shall not be unreasonably withheld.

“**Warrants**” has the meaning set forth in the recitals hereof.

“**Warrant Shares**” means the shares of Common Stock issuable upon exercise of the Warrants.

“**Willful Breach**” has the meaning set forth in Section 7 hereof.

2. Purchase and Sale of Securities.

2.1 Purchase and Sale. On the Closing Date, upon the terms and subject to the conditions set forth herein, the Company agrees to sell, and each Purchaser, severally and not jointly, agrees to purchase, the number and type of Securities, for the Subscription Amount, set forth opposite the Purchaser’s name set forth on Exhibit A. The purchase price per unit of one Share and an accompanying Common Warrant to purchase one-half of one share of Common Stock is \$2.8825. The purchase price per unit of one Pre-Funded Warrant and an accompanying Common Warrant to purchase one-half of one share of Common Stock is \$2.8824.

2.2 Closing. Subject to the satisfaction or waiver of the conditions set forth in Section 6 of this Agreement, the closing of the purchase and sale of the Securities (the “**Closing**”) shall occur remotely via the exchange of documents and signatures on the Closing Date. At the Closing, the Securities shall be issued and registered in the name of such Purchaser, or in such nominee name(s) as designated by such Purchaser, representing the number of Securities to be purchased by such Purchaser at such Closing as set forth in Exhibit A, in each case against payment to the Company of the purchase price therefor in full by wire transfer to the Company of immediately available funds, at or prior to the Closing, in accordance with wire instructions attached hereto as Exhibit E. In the event that the Closing does not occur within three business days after the Closing Date, the Company shall promptly (but not later than one business day thereafter) return the previously wired amounts to each respective Purchaser by wire transfer of United States dollars in immediately available funds to the account specified by each Purchaser, and any book entries for the Shares shall be deemed cancelled. On the Closing Date, the Company will issue the Shares in book-entry form, free and clear of all restrictive and other legends (except as expressly provided in Section 4.11 hereof) and shall provide evidence of such issuance from the Company’s Transfer Agent as of the Closing Date to each Purchaser. The failure of the Closing to occur on the Closing Date shall not terminate this Agreement or otherwise relieve any party of any of its obligations hereunder.

3. Representations and Warranties of the Company. The Company hereby represents and warrants to each of the Purchasers and the Placement Agents that the statements contained in this Section 3 are true and correct 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):

3.1 Financial Statements. The financial statements (including the related notes thereto) of the Company included or incorporated by reference in the SEC Reports comply in all material respects with the applicable requirements of the Securities Act or the Exchange Act and present fairly in all material respects the financial position of the Company as of the dates indicated and the results of its operations, stockholders' equity (deficit) and cash flows for the periods specified; such financial statements have been prepared in conformity with generally accepted accounting principles ("GAAP") in the United States applied on a consistent basis throughout the periods covered thereby, and any supporting schedules included or incorporated by reference in the SEC Reports present fairly in all material respects the information required to be stated therein; the other financial information included or incorporated by reference in the SEC Reports has been derived from the accounting records of the Company and presents fairly in all material respects the information shown thereby; all disclosures included or incorporated by reference in the SEC Reports regarding "non-GAAP financial measures" (as such term is defined by the rules and regulations of the SEC), if any, comply with Regulation G of the Exchange Act and Item 10 of Regulation S-K of the Securities Act, to the extent applicable. Except as set forth in the financial statements of the Company included in the SEC Reports prior to the date hereof, the Company has not incurred any liabilities, contingent or otherwise, except for those incurred in the ordinary course of business, consistent (as to amount and nature) with past practices since the date of such financial statements, none of which, individually or in the aggregate, have had or would reasonably be expected to have a Material Adverse Effect (defined below). The interactive data in eXtensible Business Reporting Language included in the SEC Reports fairly presents the information called for in all material respects and has been prepared in accordance with the SEC's rules and guidelines applicable thereto.

3.2 No Material Adverse Change. Since the date of the most recent financial statements of the Company included or incorporated by reference in the SEC Reports, (i) there has not been any material change in the capital stock of the Company (other than the issuance of shares of Common Stock upon exercise of stock options described as outstanding in, and the grant of options and awards under existing equity incentive plans described in, the SEC Reports), short-term debt or long-term debt of the Company (in each case, except as otherwise disclosed in the SEC Reports), or any dividend or distribution of any kind declared, set aside for payment, paid or made by the Company on any class of capital stock, or any material adverse change, or any development that would reasonably be expected to result in a prospective material adverse change, in or affecting the business, properties, management, financial position, stockholders' equity, results of operations or prospects of the Company; (ii) the Company has not entered into any transaction or agreement (whether or not in the ordinary course of business) that is material to the Company or incurred any liability or obligation, direct or contingent, that is material to the Company (except as otherwise disclosed in the SEC Reports); and (iii) the Company has not sustained any loss or interference with its business that is material to the Company and that is either from fire, explosion, flood or other calamity, whether or not covered by insurance, or from any labor disturbance or dispute or any action, order or decree of any court or arbitrator or governmental or regulatory authority, except in each case as otherwise disclosed in the SEC Reports.

3.3 Organization and Good Standing. The Company has been duly organized and is validly existing and in good standing under the laws of the State of Delaware, is duly qualified to do business and is in good standing in each jurisdiction in which its ownership or lease of property or the conduct of its business requires such qualification, and has all power and authority necessary to own or hold its properties and to conduct the business in which it is engaged, 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 on the business, properties, management, financial position, stockholders' equity, results of operations or prospects of the Company or on the performance by the Company of its obligations under this Agreement (a "**Material Adverse Effect**"). The Company has no subsidiaries and does not own or control, directly or indirectly, any corporation, association or other entity.

3.4 Capitalization. The Company has an authorized capitalization consisting of 500,000,000 shares of Common Stock and 10,000,000 shares of preferred stock, par value \$0.0001 per share; all the outstanding shares of capital stock of the Company have been duly and validly authorized and issued and are fully paid and non-assessable and are not subject to any pre-emptive or similar rights that have not been duly waived or satisfied; except (a) as described in or expressly contemplated by the SEC Reports and (b) for equity incentive awards granted under the Company Stock Plans, there are no outstanding rights (including, without limitation, pre-emptive rights that have not been duly waived or satisfied), warrants or options to acquire, or instruments convertible into or exchangeable for, any shares of capital stock or other equity interest in the Company, or any contract, commitment, agreement, understanding or arrangement of any kind relating to the issuance of any capital stock of the Company, any such convertible or exchangeable securities or any such rights, warrants or options; and the capital stock of the Company conforms in all material respects to the description thereof contained in the SEC Reports.

3.5 Stock Options. With respect to the stock options (the “**Stock Options**”) granted pursuant to the stock-based compensation plans of the Company (the “**Company Stock Plans**”), (i) each Stock Option intended to qualify as an “incentive stock option” under Section 422 of the Code so qualifies, (ii) each grant of a Stock Option was duly authorized no later than the date on which the grant of such Stock Option was by its terms to be effective by all necessary corporate action, including, as applicable, approval by the Board of Directors (or a duly constituted and authorized committee thereof) and any required stockholder approval by the necessary number of votes or written consents, and, to the knowledge of the Company (other than with respect to due execution and delivery by the Company), the award agreement governing such grant (if any) was duly executed and delivered by each party thereto, (iii) each such grant was made in accordance with the terms of the Company Stock Plans, the Exchange Act and all other applicable laws and regulatory rules or requirements, including the rules of the Nasdaq Market and any other exchange on which Company securities are traded, in all material respects, and (iv) each such grant was properly accounted for in accordance with GAAP in the financial statements (including the related notes) of the Company in all material respects. The Company has not knowingly granted, and there is no and has been no policy or practice of the Company of granting, Stock Options prior to, or otherwise coordinating the grant of Stock Options with, the release or other public announcement of material information regarding the Company or its results of operations or prospects.

3.6 Due Authorization. The Company has full right, power and authority to execute and deliver the Transaction Agreements and to perform its obligations under the Transaction Agreements, including the issuance and sale of the Securities and the issuance of the shares of Common Stock issuable upon exercise of the Warrants and all action required to be taken for the due and proper authorization, execution and delivery by it of the Transaction Agreements and the consummation by it of the transactions contemplated by the Transaction Agreements, including the issuance and sale of the Securities and the issuance of the Warrant Shares, has been duly and validly taken. Each of the Transaction Agreements has been duly authorized, executed and delivered by the Company and is the legal, valid and binding obligation of the Company enforceable against the Company in accordance with its terms, except as such enforceability may be limited or otherwise affected by bankruptcy, insolvency, fraudulent conveyance, reorganization, moratorium and/or similar laws relating to or affecting the rights of creditors generally or by general equity principles (regardless of whether such enforceability is considered in a proceeding in equity or at law).

3.7 Valid Issuance. The Shares being purchased by the Purchasers hereunder have been duly and validly authorized and, upon issuance pursuant to the terms of this Agreement against full payment therefor in accordance with the terms of this Agreement, will be duly and validly issued, fully paid and non-assessable and will be issued free and clear of any liens or other restrictions (other than those as provided in the Transaction Agreements or restrictions on transfer under applicable state and federal securities laws), and the holder of the Shares shall be entitled to all rights accorded to a holder of Common Stock. The Warrant Shares have been duly and validly authorized and reserved for issuance and, upon issuance pursuant to the terms of the Warrants against full payment therefor in accordance with the terms of the Warrants, will be duly and validly issued, fully paid and non-assessable and will be issued free and clear of any liens or other restrictions (other than those as provided in the Transaction Agreements or restrictions on transfer under applicable state and federal securities laws), and the holder of the Warrant Shares shall be entitled to all rights accorded to a holder of Common Stock. Subject to the accuracy of the representations and warranties made by the Purchasers in Section 4, the offer and sale of the Securities to the Purchasers is and will be in compliance with applicable exemptions from (i) the registration and prospectus delivery requirements of the Securities Act and (ii) the registration and qualification requirements of applicable securities laws of the states of the United States.

3.8 No Violation or Default. The Company is not (i) in violation of its charter or bylaws or similar organizational documents; (ii) 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 or condition contained in any indenture, mortgage, deed of trust, loan agreement or other agreement or instrument to which the Company is a party or by which the Company is bound or to which any property or asset of the Company is subject; or (iii) in violation of any law or statute or any judgment, order, rule or regulation of any court or arbitrator or governmental or regulatory authority having jurisdiction over the Company, except, in the case of clauses (ii) and (iii) above, for any such default or violation that would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect.

3.9 No Conflicts. The execution, delivery and performance by the Company of the Transaction Agreements, the issuance and sale of the Securities and the consummation of the transactions contemplated by the Transaction Agreements will not (i) conflict with or result in a breach or violation of any of the terms or provisions of, or constitute a default under, result in the termination, modification or acceleration of, or result in the creation or imposition of any lien, charge or encumbrance upon any property, right or asset of the Company pursuant to, any indenture, mortgage, deed of trust, loan agreement or other agreement or instrument to which the Company is a party or by which the Company is bound or to which any property, right or asset of the Company is subject, (ii) result in any violation of the provisions of the charter or bylaws or similar organizational documents of the Company or (iii) result in the violation of any law or statute or any judgment, order, rule or regulation of any court or arbitrator or governmental or regulatory authority having jurisdiction over the Company, except, in the case of clauses (i) and (iii) above, for any such conflict, breach, violation, default, lien, charge or encumbrance that would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect.

3.10 No Consents Required. Assuming the accuracy of the representations and warranties of the Purchasers, no consent, approval, authorization, order, registration or qualification of or with any court or arbitrator or governmental or regulatory authority is required for the execution, delivery and performance by the Company of the Transaction Agreements, the issuance and sale of the Securities and the consummation of the transactions contemplated by the Transaction Agreements, except for (i) the registration of the Shares and the Warrant Shares under the Securities Act pursuant to the Registration Rights Agreement and such consents, approvals, authorizations, orders and registrations or qualifications as may be required in connection therewith, (ii) the filing of any requisite notices and/or application(s) to the Nasdaq Market for the issuance and sale of the Shares or the Warrant Shares and the listing of the Shares or the Warrant Shares for trading or quotation, as the case may be, thereon in the time and manner required thereby, (iii) those that have been made or obtained prior to the date of this Agreement, and (iv) as may be required under the securities, or blue sky, laws of any state jurisdiction in connection with the offer and sale of the Shares or the Warrant Shares by the Company in the manner contemplated herein.

3.11 Legal Proceedings. Except as described in the SEC Reports, there are no legal, governmental or regulatory investigations, actions, demands, claims, suits, arbitrations, inquiries or proceedings (“**Actions**”) pending to which the Company is or may reasonably be expected to become a party or to which any property of the Company is or may reasonably be expected to become the subject that, individually or in the aggregate, if determined adversely to the Company, could reasonably be expected to have a Material Adverse Effect; to the knowledge of the Company, no such Actions are threatened or contemplated by any governmental or regulatory authority or, except as described in the SEC Reports, threatened by others; and (i) there are no current or pending Actions that are required under the Securities Act or the Exchange Act to be described in the SEC Reports that are not so described in the SEC Reports and (ii) there are no statutes, regulations or contracts or other documents that are required under the Securities Act or the Exchange Act to be filed as exhibits to the SEC Reports that are not so filed as exhibits to the SEC Reports or described in the SEC Reports.

3.12 Title to Real and Personal Property. The Company has good and marketable title in fee simple to, or has valid rights to lease or otherwise use, all items of real and personal property that are material to the business of the Company, in each case free and clear of all liens, encumbrances, claims and defects and imperfections of title except those that (i) do not materially interfere with the use made and proposed to be made of such property by the Company or (ii) could not reasonably be expected, individually or in the aggregate, to have a Material Adverse Effect.

3.13 Intellectual Property. (i) The Company owns or possesses or has the right to use all patents, patent applications, software and software developments, trademarks, service marks, trade names, trademark registrations, service mark registrations, domain names and other source indicators, copyrights, authors' rights and copyrightable works, know-how, trade secrets, systems, procedures, inventions, licenses, technology, proprietary or confidential information and all other worldwide intellectual property, industrial property and proprietary rights (collectively, "**Intellectual Property**") necessary to carry on its business as now operated, or as proposed to be conducted; (ii) except as described in the SEC Reports, there is no pending or, to the knowledge of the Company, threatened action, suit, proceeding or claim by others challenging the Company's 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 action, suit, proceeding or claim; (iii) 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 unaware of any facts which would form a reasonable basis for any such claim; (iv) the Intellectual Property has not been adjudged by a court of competent jurisdiction invalid or unenforceable, in whole or in part; (v) there is no prior art of which the Company is aware that may render any patent held by the Company invalid or any patent application held by the Company un-patentable which has not been disclosed to the U.S. Patent and Trademark Office; (vi) to the knowledge of the Company, the Company's conduct of its business does not infringe, misappropriate or otherwise violate any Intellectual Property of any person and the Company is unaware of any facts which would form a reasonable basis for any such claim; (vii) the Company has not received any written notice of any claim of ownership or inventorship with respect to the Company's owned Intellectual Property; (viii) the Company has taken reasonable steps in accordance with normal industry practice to maintain the confidentiality of all Intellectual Property of the Company where the value to the Company is contingent upon maintaining the confidentiality thereof and no such Intellectual Property has been disclosed other than to employees, representatives and agents of the Company, all of whom are bound by written confidentiality agreements; and (ix) to the knowledge of the Company, the Intellectual Property of the Company is not being infringed, misappropriated or otherwise violated by any person. Each patent application owned, or purported to be owned by the Company is being diligently prosecuted and each issued patent owned or purported to be owned by the Company is being diligently maintained. Except as disclosed in the SEC Reports, all Intellectual Property rights described in the SEC Reports as owned by the Company are owned solely by the Company. All Intellectual Property rights owned or purported to be owned by the Company are owned free and clear of all material liens, encumbrances, defects or other restrictions. The Company is not aware of any specific facts that would form a reasonable basis for a finding that any of the issued or granted patents owned by the Company is invalid or unenforceable and, to the knowledge of the Company, all such issued or granted patents are valid and enforceable. The Company is not subject to any judgment, order, writ, injunction or decree of any court or any federal, state, local, foreign or other governmental department, commission, board, bureau, agency or instrumentality, domestic or foreign, or any arbitrator, nor has it entered into or is it a party to any agreement made in settlement of any pending or threatened litigation, which restricts or impairs its use of any Intellectual Property rights, except as would not reasonably be expected, singly or in the aggregate, to have a material adverse effect on the Company. All of the Company's employment agreements and consulting agreements contain, to the extent permitted by applicable law, provisions requiring the disclosure of any inventions and effecting the automatic transfer to the Company of all rights, titles and interests in intellectual property, including intellectual property rights in and to any creation, made by such employees and consultants from the beginning of their employment. All payments in connection with such transfers have been duly made to the Company's employees and consultants in accordance with applicable law, employment agreements and consulting agreements. To the knowledge of the Company, no current or former employee or consultant of the Company is in violation of the confidentiality and invention disclosure and assignment obligations to the Company included in their respective employment agreement or consultant agreement. All employees and consultants have executed an employment agreement or consulting agreement, as applicable, with the Company. All of the Company's sub-contractor agreements contain the provisions necessary to ensure, to the extent permitted by applicable law, the transfer to the Company of all material Intellectual Property rights with respect to the work performed on behalf of the Company, except with respect to background intellectual property belonging to such sub-contractors.

3.14 Investment Company Act. The Company is not and, after giving effect to the offering and sale of the Shares and the Warrant Shares and the application of the proceeds thereof as described in the SEC Reports, will not be required to register as an “investment company” or an entity “controlled” by an “investment company” within the meaning of the Investment Company Act of 1940, as amended, and the rules and regulations of the SEC thereunder.

3.15 Taxes. The Company has paid all federal, state, local and foreign taxes and filed all tax returns required to be paid or filed by it through the date hereof (except where the failure to pay or file would not, individually or in the aggregate, have a Material Adverse Effect); and except as otherwise disclosed in the SEC Reports, there is no tax deficiency that has been, or could reasonably be expected to be, asserted in writing against the Company or any of its properties or assets and that could, individually or in the aggregate, have a Material Adverse Effect. The Company is classified as a Subchapter C corporation for U.S. federal tax purposes.

3.16 Licenses and Permits. The Company possesses all licenses, sub-licenses, certificates, permits and other authorizations issued by, and has made all declarations and filings with, the appropriate federal, state, local or foreign governmental or regulatory authorities that are necessary for the ownership or lease of its properties or the conduct of its business as described in each of the SEC Reports, except where the failure to possess or make the same would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect; and except as described in the SEC Reports, the Company has not received notice of any revocation or modification of any such license, sub-license, certificate, permit or authorization or has any reason to believe that any such license, sub-license, certificate, permit or authorization will not be renewed in the ordinary course.

3.17 No Labor Disputes. No labor disturbance by or dispute with employees of the Company exists or, to the knowledge of the Company, is contemplated or threatened, and the Company is not aware of any existing or imminent labor disturbance by, or dispute with, the employees of any of its principal suppliers, contractors or customers, except as would not reasonably be expected to have a Material Adverse Effect. The Company has not received any notice of cancellation or termination with respect to any collective bargaining agreement to which it is a party.

3.18 Certain Environmental Matters. (i) The Company (x) is in compliance with all, and has not violated any, applicable federal, state, local and foreign laws (including common law), rules, regulations, requirements, decisions, judgments, decrees, orders and other legally enforceable requirements relating to pollution or the protection of human health or safety, the environment, natural resources, hazardous or toxic substances or wastes, pollutants or contaminants (collectively, “**Environmental Laws**”); (y) has received and is in compliance with all, and has not violated any, permits, licenses, certificates or other authorizations or approvals required of it under any Environmental Laws to conduct its business; and (z) has not received notice of any actual or potential liability or obligation under or relating to, or any actual or potential violation of, any Environmental Laws, including for the investigation or remediation of any disposal or release of hazardous or toxic substances or wastes, pollutants or contaminants, and has no knowledge of any event or condition that would reasonably be expected to result in any such notice; (ii) there are no costs or liabilities associated with Environmental Laws of or relating to the Company, except in the case of each of (i) and (ii) above, for any such matter as would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect; and (iii) (x) there is no proceeding that is pending, or that is known to be contemplated, against the Company under any Environmental Laws in which a governmental entity is also a party, other than such proceeding regarding which it is reasonably believed no monetary sanctions of \$100,000 or more will be imposed, (y) the Company is not aware of any facts or issues regarding compliance with Environmental Laws, or liabilities or other obligations under Environmental Laws or concerning hazardous or toxic substances or wastes, pollutants or contaminants, that could reasonably be expected to have a material effect on the capital expenditures, earnings or competitive position of the Company, and (z) the Company does not anticipate material capital expenditures relating to any Environmental Laws.

3.19 Compliance with ERISA. (i) Each employee benefit plan, within the meaning of Section 3(3) of ERISA, for which the Company or any member of its “Controlled Group” (defined as any entity, whether or not incorporated, that is under common control with the Company within the meaning of Section 4001(a)(14) of ERISA or any entity that would be regarded as a single employer with the Company under Section 414(b),(c),(m) or (o) of the Code) would have any liability (each, a “**Plan**”) has been maintained in compliance with its terms and the requirements of any applicable statutes, orders, rules and regulations, including but not limited to ERISA and the Code, except for non-compliance that would not reasonably be expected to result in a material liability to the Company; (ii) no prohibited transaction, within the meaning of Section 406 of ERISA or Section 4975 of the Code, has occurred with respect to any Plan, excluding transactions effected pursuant to a statutory or administrative exemption; (iii) for each Plan that is subject to the funding rules of Section 412 of the Code or Section 302 of ERISA, no Plan has failed (whether or not waived), or is reasonably expected to fail, to satisfy the minimum funding standards (within the meaning of Section 302 of ERISA or Section 412 of the Code) applicable to such Plan; (iv) no Plan is, or is reasonably expected to be, in “at risk status” (within the meaning of Section 303(i) of ERISA) and no Plan that is a “multiemployer plan” within the meaning of Section 4001(a)(3) of ERISA is in “endangered status” or “critical status” (within the meaning of Sections 304 and 305 of ERISA) (v) the fair market value of the assets of each Plan exceeds the present value of all benefits accrued under such Plan (determined based on those assumptions used to fund such Plan); (vi) no “reportable event” (within the meaning of Section 4043(c) of ERISA and the regulations promulgated thereunder) has occurred or is reasonably expected to occur; (vii) each Plan that is intended to be qualified under Section 401(a) of the Code is so qualified, and, to the knowledge of the Company, nothing has occurred, whether by action or by failure to act, which would cause the loss of such qualification; (viii) neither the Company nor any member of the Controlled Group has incurred, nor reasonably expects to incur, any liability under Title IV of ERISA (other than contributions to the Plan or premiums to the Pension Benefit Guarantee Corporation, in the ordinary course and without default) in respect of a Plan (including a “multiemployer plan” within the meaning of Section 4001(a)(3) of ERISA); and (ix) none of the following events has occurred or is reasonably likely to occur: (A) a material increase in the aggregate amount of contributions required to be made to all Plans by the Company or its Controlled Group affiliates in the current fiscal year of the Company and its Controlled Group affiliates compared to the amount of such contributions made in the Company’s and its Controlled Group affiliates’ most recently completed fiscal year; or (B) a material increase in the Company’s “accumulated post-retirement benefit obligations” (within the meaning of Accounting Standards Codification Topic 715-60) compared to the amount of such obligations in the Company’s most recently completed fiscal year, except in each case with respect to the events or conditions set forth in (i) through (ix) hereof, as would not, individually or in the aggregate, have a Material Adverse Effect.

3.20 Disclosure Controls. The Company maintains an effective system of “disclosure controls and procedures” (as defined in Rule 13a-15(e) of the Exchange Act) that complies with the applicable requirements of the Exchange Act and that has been designed to ensure that information required to be disclosed by the Company in reports that it files or submits under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the SEC’s rules and forms, including controls and procedures designed to ensure that such information is accumulated and communicated to the Company’s management as appropriate to allow timely decisions regarding required disclosure. To the extent applicable as of the date of this Agreement, the Company has carried out evaluations of the effectiveness of its disclosure controls and procedures as required by Rule 13a-15 of the Exchange Act.

3.21 Accounting Controls. The Company maintains a system of “internal control over financial reporting” (as defined in Rule 13a-15(f) of the Exchange Act) that is designed to comply with the applicable requirements of the Exchange Act and has been designed by, or under the supervision of, its principal executive officer and principal financial officer, or persons performing similar functions, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with GAAP. The Company maintains internal accounting controls (a) designed to ensure that material information relating to the Company is made known to the Company’s principal executive officer and principal financial officer by others within those entities and (b) sufficient to provide reasonable assurance that (i) transactions are executed in accordance with management’s general or specific authorizations; (ii) transactions are recorded as necessary to permit preparation of financial statements in conformity with GAAP and to maintain asset accountability; (iii) access to assets is permitted only in accordance with management’s general or specific authorization; (iv) the recorded accountability for assets is compared with the existing assets at reasonable intervals and appropriate action is taken with respect to any differences; and (v) interactive data in eXtensible Business Reporting Language included or incorporated by reference in the SEC Reports fairly presents the information called for in all material respects and is prepared in accordance with the SEC’s rules and guidelines applicable thereto. There are no material weaknesses in the Company’s internal controls. The Company’s auditors and the Audit Committee of the Board of Directors have been advised of: (i) all significant deficiencies and material weaknesses in the design or operation of internal controls over financial reporting known to the Company which have adversely affected or are reasonably likely to adversely affect the Company’s ability to record, process, summarize and report financial information; and (ii) any fraud known to the Company, whether or not material, that involves management or other employees who have a significant role in the Company’s internal controls over financial reporting.

3.22 Insurance. The Company has insurance covering its properties, operations, personnel and business, including business interruption insurance, which insurance is in amounts and insures against such losses and risks as are reasonably adequate to protect the Company and its business; and the Company (i) has not 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 or (ii) does not have 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 at reasonable cost from similar insurers as may be necessary to continue its business.

3.23 Cybersecurity; Data Protection. The Company’s information technology assets and equipment, computers, systems, networks, hardware, software, websites, applications, and databases (including all data of its employees, suppliers, vendors and any third-party data under the control of and maintained by the Company) (collectively, “**IT Systems**”) are adequate for, and operate and perform in all material respects as required in connection with the operation of the business of the Company as currently conducted, in each case, to the knowledge of the Company, free and clear of all material bugs, errors, defects, Trojan horses, time bombs, malware and other corruptants. The Company implements and maintains commercially reasonable controls, policies, procedures, and safeguards designed to maintain and protect its material confidential information and the integrity, continuous operation, redundancy and security of all IT Systems and personal, personally identifiable, or regulated data comprising personal data (“**Personal Data**”) collected, used or otherwise processed in connection with its business, and, to the knowledge of the Company, there have been no breaches, violations, outages or unauthorized uses of or accesses to same, except for those that have been remedied without material cost or liability or the duty to notify any other person, nor any incidents under internal review or investigations relating to the same. The Company is presently in material compliance with all applicable laws or statutes and all judgments, orders, rules and regulations of any court or arbitrator or governmental or regulatory authority, approved and released internal policies and contractual obligations relating to the privacy and security of IT Systems and Personal Data and to the protection of such IT Systems and Personal Data from unauthorized use, access, misappropriation or modification.

3.24 No Unlawful Payments. Neither the Company nor any director, officer or employee of the Company nor, to the knowledge of the Company, any agent, affiliate or other person associated with or acting on behalf of the Company has (i) used any corporate funds for any unlawful contribution, gift, entertainment or other unlawful expense relating to political activity; (ii) made or taken an act in furtherance of an offer, promise or authorization of any direct or indirect unlawful payment or benefit to any foreign or domestic government official or employee, including of any government-owned or controlled entity or of a public international organization, or any person acting in an official capacity for or on behalf of any of the foregoing, or any political party or party official or candidate for political office; (iii) violated or is in violation of any provision of the Foreign Corrupt Practices Act of 1977, as amended, or any applicable law or regulation implementing the OECD Convention on Combating Bribery of Foreign Public Officials in International Business Transactions, or committed an offence under the Bribery Act 2010 of the United Kingdom or any other applicable anti-bribery or anti-corruption law; or (iv) made, offered, agreed, requested or taken an act in furtherance of any unlawful bribe or other unlawful benefit, including, without limitation, any rebate, payoff, influence payment, kickback or other unlawful or improper payment or benefit. The Company has instituted, maintains and enforces, and will continue to maintain and enforce policies and procedures designed to promote and ensure compliance with all applicable anti-bribery and anti-corruption laws.

3.25 Compliance with Anti-Money Laundering Laws. The operations of the Company are and have been conducted at all times in compliance with applicable financial recordkeeping and reporting requirements, including those of the Currency and Foreign Transactions Reporting Act of 1970, as amended, the applicable money laundering statutes of all jurisdictions where the Company conducts business, the rules and regulations thereunder and any related or similar rules, regulations or guidelines issued, administered or enforced by any governmental agency (collectively, the “**Anti-Money Laundering Laws**”) and no action, suit or proceeding by or before any court or governmental agency, authority or body or any arbitrator involving the Company with respect to the Anti-Money Laundering Laws is pending or, to the knowledge of the Company, threatened.

3.26 No Conflicts with Sanctions Laws. Neither the Company nor any of its directors, officers, or employees, nor, to the knowledge of the Company, any agent, affiliate or other person associated with or acting on behalf of the Company is currently the subject or the target of any sanctions administered or enforced by the U.S. government, (including, without limitation, the Office of Foreign Assets Control of the U.S. Department of the Treasury or the U.S. Department of State and including, without limitation, the designation as a “specially designated national” or “blocked person”), the United Nations Security Council, the European Union, His Majesty’s Treasury, the Special Economic Measures Act (Canada) or other relevant sanctions authority (collectively, “**Sanctions**”), nor is the Company located, organized or resident in a country or territory that is the subject or target of Sanctions, including, without limitation, the Crimea Region and the non-government controlled areas of the Zaporizhzhia and Kherson Regions of Ukraine (or any other Covered Region of Ukraine identified pursuant to Executive Order 14065), the so-called Donetsk People’s Republic, the so-called Luhansk People’s Republic, Cuba, Iran, North Korea and Syria (each, a “**Sanctioned Territory**”); and the Company will not directly or indirectly use the proceeds of the offering of the Securities hereunder, or lend, contribute or otherwise make available such proceeds to any joint venture partner or other person or entity (i) to fund or facilitate any activities of or business with any person that, at the time of such funding or facilitation, is the subject or target of Sanctions, (ii) to fund or facilitate any activities of or business in any Sanctioned Territory or (iii) in any other manner that will result in a violation by any person (including any person participating in the transaction, whether as underwriter, advisor, investor or otherwise) of Sanctions. For the past five years, the Company has not knowingly engaged in and is not now knowingly engaged in any dealings or transactions with any person that at the time of the dealing or transaction is or was the subject or the target of Sanctions or with any Sanctioned Territory.

3.27 No Registration Rights. No person has the right to require the Company to register any securities for sale under the Securities Act by reason of the issuance and sale of the Securities or the filing of a registration statement with the SEC pursuant to the Registration Rights Agreement, except for such rights that have been validly waived with respect to the filing of a registration statement with the SEC pursuant to the Registration Rights Agreement prior to the date of this Agreement.

3.28 Sarbanes-Oxley Act. There is and has been no failure on the part of the Company or any of the Company's directors or officers, in their capacities as such, to comply with any provision of the Sarbanes-Oxley Act of 2002, as amended and the rules and regulations promulgated in connection therewith, including Section 402 related to loans and Sections 302 and 906 related to certifications.

3.29 Status under the Securities Act. The Company is not an "ineligible issuer," as defined in Rule 405 under the Securities Act. The Common Stock is registered pursuant to Section 12(b) or 12(g) of the Exchange Act, and the Company has taken no action designed to, or which to its knowledge is likely to have the effect of, terminating the registration of the Common Stock under the Exchange Act nor has the Company received any notification that the SEC is contemplating terminating such registration. The Company has not, in the 12 months preceding the date hereof, received notice from any National Exchange on which the Common Stock is or has been listed or, quoted to the effect that the Company is not in compliance with the listing or maintenance requirements of such National Exchange or other exchange or market. The Company is, and has no reason to believe that it will not in the foreseeable future continue to be, in compliance with the listing and maintenance requirements of the National Exchange or any other exchange or market on which the Common Stock is or has been listed or quoted (other than the potential of failing to satisfy the minimum bid price requirement). The issuance and sale of the Securities hereunder does not contravene, or require stockholder approval under, the rules and regulations of The Nasdaq Stock Market LLC.

3.30 Clinical Trials, Preclinical Studies and Tests and Regulatory Compliance. (i) Except as described in the SEC Reports, the clinical trials, preclinical studies and tests (collectively, "**Studies**") conducted by or on behalf of or sponsored by the Company, or in which the Company has participated or in which Company product candidates have been studied, 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 compliance with the protocols, procedures and controls designed and approved for such studies, standard medical and scientific research procedures and all applicable statutes, rules and regulations, including good clinical practice and good laboratory practice requirements, of the applicable regulatory agencies to which they are subject, including the U.S. Food and Drug Administration ("**FDA**"), the Centers for Medicare and Medicaid Services, the European Medicines Agency, or any foreign, federal, state or local governmental body exercising comparable authority (collectively, the "**Regulatory Authorities**"); (ii) the descriptions in the SEC Reports of the results of such Studies are accurate and complete descriptions in all material respects and fairly present the data derived therefrom; (iii) the Company does not have knowledge of any other Studies not described in the SEC Reports, the results of which are inconsistent with or call into question the results described or referred to in the SEC Reports; (iv) the Company has operated at all times and is currently in compliance in all material respects with all applicable statutes, rules and regulations of the Regulatory Authorities; (v) the Company has provided the Purchasers with all substantive written notices, correspondence and summaries of all communications from the Regulatory Authorities and reports of Studies; (vi) the Company has not received any notices, correspondence or other communications from the Regulatory Authorities, any other governmental authority or any Institutional Review Board or ethics committee or similar body requiring or threatening the termination, material modification, suspension or clinical hold of any Studies or that call into question the studies that are described in the SEC Reports or the results of which are referred to in the SEC Reports, other than ordinary course communications with respect to modifications in connection with the design and implementation of such Studies conducted or proposed to be conducted by or on behalf of the Company, and, to the knowledge of the Company, there are no reasonable grounds for the same; (vii) the Company is not a party to any corporate integrity agreements, deferred prosecution agreements, monitoring agreements, consent decrees, plans of correction, settlement orders, or similar agreements with or imposed by any governmental or Regulatory Authority; (viii) none of the Studies described in the SEC Reports or the results of which are referred to in the SEC Reports involved any investigator who has been disqualified as a clinical investigator or has been found by the FDA or other Regulatory Authority to have engaged in scientific misconduct and no such proceedings are pending; and (ix) the manufacturing facilities and operations of the Company and its suppliers, are and have been operated in compliance in all material respects with all applicable statutes, rules, regulations and policies of the Regulatory Authorities.

3.31 Regulatory Filings. The Company has not failed to file with the Regulatory Authorities any required filing, declaration, listing, registration, report or submission or failed to obtain any required approval or authorization with respect to the product candidates of the Company that are described or referred to in the SEC Reports; all such filings, declarations, listings, registrations, reports or submissions, as applicable, were in material compliance with applicable laws when filed; and no deficiencies have been asserted by any applicable Regulatory Authority with respect to any such filings, declarations, listings, registrations, reports or submissions.

3.32 Compliance with Health Care Laws. The Company is, and at all times has been, in compliance in all material respects with all applicable Health Care Laws. For purposes of this Agreement, “**Health Care Laws**” in all material respects means: (i) the Federal Food, Drug, and Cosmetic Act (21 U.S.C. Section 301 et seq.), the Public Health Service Act (42 U.S.C. Section 201 et seq.), and the regulations promulgated thereunder; (ii) all applicable U.S. federal, state, local and non-U.S. health care fraud and abuse laws, including, without limitation, the Anti-Kickback Statute (42 U.S.C. Section 1320a-7b(b)), the Civil False Claims Act (31 U.S.C. Section 3729 et seq.), the criminal false statements law (42 U.S.C. Section 1320a-7b(a)), 18 U.S.C. Sections 286 and 287, the health care fraud criminal provisions under HIPAA, the civil monetary penalties law (42 U.S.C. Section 1320a-7a), the exclusion law (42 U.S.C. Section 1320a-7), the Physician Payments Sunshine Act (42 U.S.C. Section 1320-7h), and applicable laws governing government funded or sponsored healthcare programs; (iii) HIPAA, as amended by the Health Information Technology for Economic and Clinical Health Act (42 U.S.C. Section 17921 et seq.); (iv) the Patient Protection and Affordable Care Act of 2010, as amended by the Health Care and Education Reconciliation Act of 2010; (v) licensure, quality, safety and accreditation requirements under applicable U.S. federal, state, local or non-U.S. laws or regulatory bodies; (vi) all other local, state, U.S. federal, national, supranational and non-U.S. laws relating to the regulation of the Company, and (vii) the directives and regulations promulgated pursuant to such statutes, and any state or non-U.S. counterpart thereof. The Company has not received any Form FDA 483, notice of adverse finding, warning letter, untitled letter or other adverse correspondence or notice from Regulatory Authorities, or notice of any deficiency, noncompliance, pending or threatened claim, action, suit, proceeding, hearing, enforcement, investigation, arbitration or other action from any court or arbitrator or governmental or Regulatory Authority or third party alleging that any product operation or activity is or potentially is in violation of any Health Care Laws nor, to the knowledge of the Company, is any such claim, action, suit, proceeding, hearing, enforcement, investigation, arbitration or other action threatened or pending. The Company has filed, maintained or submitted all reports, documents, forms, notices, applications, records, claims, submissions and supplements or amendments as required by any Health Care Laws, and all such reports, documents, forms, notices, applications, records, claims, submissions and supplements or amendments were complete and accurate on the date filed in all material respects (or were corrected or supplemented by a subsequent submission). Additionally, neither the Company nor any of its employees, officers, directors, or their respective agents has been excluded, suspended, debarred or disqualified from participation in any U.S. federal health care program or human clinical research or is subject to a governmental inquiry, investigation, proceeding, or other similar action that could reasonably be expected to result in debarment, disqualification, suspension, or exclusion, has been convicted of any crime or engaged in any conduct that would reasonably be expected to result in debarment under 21 U.S.C. Section 335a or comparable foreign law or has been liable for a civil monetary penalty under 21 U.S.C. Section 335b or comparable foreign law.

3.33 Brokers and Finders. Other than the Placement Agents, the Company is not aware of any Person (other than any Covered Person) that has been or will be paid (directly or indirectly) remuneration for solicitation of purchasers in connection with the sale of the Securities pursuant to this Agreement.

3.34 No Additional Agreements. The Company does not have any agreement or understanding with any Purchaser with respect to the transactions contemplated by the Transaction Agreements other than as specified in the Transaction Agreements. For the avoidance of doubt, the Company has not entered into any other purchase agreement with any other Person on or around the date hereof, or any other agreement in connection with any Person’s direct or indirect equity investment in the Company that includes terms and conditions that are materially more advantageous to such Person than to any Purchaser hereunder.

3.35 Transactions with Affiliates and Employees. 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.

3.36 Shell Company Status. The Company is not currently, and has never been, an issuer identified in Rule 144 (i)(1) under the Securities Act.

3.37 OFAC. None of the Company or, to the Company's knowledge, any director, officer, agent, employee, affiliate or representative of the Company is a Person currently the subject or target of any sanctions administered or enforced by the United States Government, including, without limitation, the U.S. Department of the Treasury's Office of Foreign Assets Control, the United Nations Security Council, the European Union, His Majesty's Treasury, or other relevant sanctions authority (collectively, "**Sanctions**"), nor is the Company located, organized or resident in a country or territory that is the subject of Sanctions; and the Company will not directly or indirectly use the proceeds of the sale of the Securities, or lend, contribute or otherwise make available such proceeds to any subsidiaries, joint venture partners or other Person, to fund or facilitate any activities of or business with any Person, or in any country or territory, that, at the time of such funding or facilitating, is the subject of Sanctions or in any other manner that will result in a violation by any Person (including any Person participating in the transaction, whether as underwriter, advisor, investor or otherwise) of Sanctions. For the past five years, the Company has not knowingly engaged in and is not now knowingly engaged in any dealings or transactions with any person that at the time of the dealing or transaction is or was the subject or the target of Sanctions or with country or territory that is the subject of Sanction.

3.38 Brokers and Finders. Other than the Placement Agents, neither the Company nor any other Person authorized by the Company to act on its behalf has retained, utilized or been represented by any broker or finder in connection with the transactions contemplated by this Agreement. The Purchasers shall have no obligation with respect to any fees of the Placement Agents.

3.39 Reliance by the Purchasers. The Company acknowledges that each of the Purchasers will rely upon the truth and accuracy of, and the Company's compliance with, the representations, warranties, agreements, acknowledgments and understandings of the Company set forth herein.

3.40 SEC Reports. The Company has filed all SEC Reports with the SEC pursuant to the reporting requirements of the Exchange Act on a timely basis. At the time they were filed with the SEC, the SEC Reports and any amendment or supplement thereto complied in all material respects with the requirements of the Securities Act and the Exchange Act, as applicable, and did not contain an 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 light of the circumstances under which they were made, not misleading.

3.41 Regulation M Compliance. The Company has not taken, directly or indirectly, without giving effect to activities by the Placement Agents, any action designed to or that might reasonably be expected to cause or result in stabilization or manipulation of the price of the Shares or of any "reference security" (as defined in Rule 100 of Regulation M under the Exchange Act) with respect to the Shares or the Warrant Shares, whether to facilitate the sale or resale of the Shares or the Warrant Shares.

3.42 Private Placement. Assuming the accuracy of each Purchaser's representations and warranties set forth in Section 4, no registration under the Securities Act is required for the offer and sale of the Securities by the Company to the Purchasers as contemplated hereby. The issuance and sale of the Securities hereunder does not contravene the rules and regulations of the Nasdaq Market. Neither the Company nor any Person acting on behalf of the Company has offered or sold any of the Securities by any form of general solicitation or general advertising. The Company has offered the Securities for sale only to the Purchasers and certain other "accredited investors" within the meaning of Rule 501 under the Securities Act.

4. Representations and Warranties of Each Purchaser. Each Purchaser, severally for itself and not jointly with any other Purchaser, represents and warrants to the Company and the Placement Agents that the statements contained in this Section 4 are true and correct as of the date hereof and the Closing Date:

4.1 Organization. Such Purchaser is duly organized, validly existing and in good standing under the laws of the jurisdiction of its organization and has the requisite power and authority to own, lease and operate its properties and to carry on its business as now conducted.

4.2 Authorization. Such Purchaser has all requisite corporate or similar power and authority to enter into this Agreement and the other Transaction Agreements to which it will be a party and to carry out and perform its obligations hereunder and thereunder. All corporate, member or partnership action on the part of such Purchaser or its stockholders, members or partners necessary for the authorization, execution, delivery and performance of this Agreement and the other Transaction Agreements to which it will be a party and the consummation of the other transactions contemplated herein has been taken. The signature of the Purchaser on this Agreement is genuine and the signatory to this Agreement, the signatory has been duly authorized to execute the same on behalf of the Purchaser. Assuming this Agreement constitutes the legal and binding agreement of the Company, this Agreement constitutes a legal, valid and binding obligation of such Purchaser, enforceable against such Purchaser in accordance with its terms, except as such enforceability may be limited or otherwise affected by bankruptcy, insolvency, fraudulent conveyance, reorganization, moratorium and/or similar laws relating to or affecting the rights of creditors generally or by general equity principles (regardless of whether such enforceability is considered in a proceeding in equity or at law).

4.3 No Conflict. The execution, delivery and performance of the Transaction Agreements by such Purchaser, the purchase of the Securities in accordance with their terms and the consummation by such Purchaser of the other transactions contemplated hereby will not conflict with or result in any violation of, breach or default by such Purchaser (with or without notice or lapse of time, or both) under, conflict with, or give rise to a right of termination, cancellation or acceleration of any obligation, a change of control right or to a loss of a material benefit under (i) any provision of the organizational documents of such Purchaser, including, without limitation, its incorporation or formation papers, bylaws, indenture of trust or partnership or operating agreement, as may be applicable or (ii) any agreement or instrument, undertaking, credit facility, franchise, license, judgment, order, ruling, statute, law, ordinance, rule or regulations, applicable to such Purchaser or its respective properties or assets, except, in the case of clause (ii), as would not, individually or in the aggregate, be reasonably expected to materially delay or hinder the ability of such Purchaser to perform its obligations under the Transaction Agreements (such delay or hindrance, a “**Purchaser Adverse Effect**”).

4.4 Consents. All consents, approvals, orders and authorizations required on the part of such Purchaser in connection with the execution, delivery or performance of this Agreement, the issuance of the Securities and the consummation of the other transactions contemplated herein have been obtained or made, other than such consents, approvals, orders and authorizations the failure of which to make or obtain, individually or in the aggregate, would not reasonably be expected to have a Purchaser Adverse Effect.

4.5 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 Exhibit A.

4.6 Brokers and Finders. Such Purchaser has not retained, utilized or been represented by any broker or finder in connection with the transactions contemplated by this Agreement whose fees the Company would be required to pay.

4.7 Investment Representations and Warranties. Each Purchaser hereby represents and warrants that, it as of the date hereof is, and on each date on which it exercises any Warrants, will be, a “qualified institutional buyer” (as defined in Rule 144A under the Securities Act) or an institutional “accredited investor” as that term is defined in Rule 501(a) under Regulation D promulgated pursuant to the Securities Act. Each Purchaser further represents and warrants that (x) it is capable of evaluating the merits and risk of such investment, and (y) that it has not been organized for the purpose of acquiring the Securities and is an “institutional account” as defined by FINRA Rule 4512(c). Such Purchaser understands and agrees that the offering and sale of the Securities has not been registered under the Securities Act or any applicable state securities laws and is being made in reliance upon federal and state exemptions for transactions not involving a public offering which depend upon, among other things, the bona fide nature of the investment intent and the accuracy of such Purchaser’s representations as expressed herein.

4.8 Intent. Each Purchaser is purchasing the Shares, Common Warrants and (as applicable) Pre-Funded Warrants, and, upon the exercise of any Warrants, will acquire the Warrant Shares issuable upon exercise thereof, solely for investment purposes, for such Purchaser’s own account and not for the account of others, and not with a view towards, or for offer or sale in connection with, any distribution or dissemination thereof in violation of the Securities Act. Notwithstanding the foregoing, if such Purchaser is purchasing the Securities as a fiduciary or agent for one or more investor accounts, such Purchaser has full investment discretion with respect to each such account, and the full power and authority to make the acknowledgements, representations and agreements herein on behalf of each owner of each such account. Each Purchaser has no present arrangement to sell the Securities to or through any person or entity. Each Purchaser understands that the Securities must be held indefinitely unless such Securities are resold pursuant to a registration statement under the Securities Act or an exemption from registration is available. Notwithstanding the foregoing, the representations in this Section 4.8 shall not restrict the Purchaser’s right at all times to sell or otherwise dispose of all or any part of the Shares in compliance with applicable federal and state securities laws and that nothing contained herein shall be deemed a representation or warranty by a Purchaser to hold Shares for any period of time.

4.9 Investment Experience; Ability to Protect Its Own Interests and Bear Economic Risks. Each Purchaser, or the Purchaser’s professional advisors, have such knowledge and experience in finance, securities, taxation, investments and other business matters as to be capable of evaluating the merits and risks of investments of the kind described in this Agreement, and the Purchaser has had an opportunity to seek, and has sought, such accounting, legal, business and tax advice as such Purchaser has considered necessary to make an informed investment decision. By reason of the business and financial experience of such Purchaser or such Purchaser’s professional advisors (who are not affiliated with or compensated in any way by the Company or any of its affiliates or selling agents), such Purchaser can protect such Purchaser’s own interests in connection with the transactions described in this Agreement. Each Purchaser acknowledges that such Purchaser (i) is a sophisticated investor, experienced in investing in private placements of equity securities and capable of evaluating investment risks independently, both in general and with regard to all transactions and investment strategies involving a security or securities and (ii) has exercised independent judgment in evaluating its participation in the purchase of the Securities. Each Purchaser acknowledges that such Purchaser is aware that there are substantial risks incident to the purchase and ownership of the Securities, including those set forth in the Company’s filings with the SEC. Alone, or together with any professional advisor(s), such Purchaser has adequately analyzed and fully considered the risks of an investment in the Securities and determined that the Securities are a suitable investment for the Purchaser. Each Purchaser is, at this time and in the foreseeable future, able to afford the loss of such Purchaser’s entire investment in the Securities and such Purchaser acknowledges specifically that a possibility of total loss exists.

4.10 Tax Advisors. Such Purchaser has had the opportunity to review with such Purchaser’s own tax advisors the federal, state and local tax consequences of its purchase of the Securities set forth opposite such Purchaser’s name on Exhibit A, where applicable, and the transactions contemplated by this Agreement. Such Purchaser acknowledges that Purchaser shall be responsible for any of such Purchaser’s tax liabilities that may arise as a result of the transactions contemplated by this Agreement, and that the Company and any of its agents have not provided any tax advice or any other representation or guarantee regarding the tax consequences of the transactions contemplated by the Agreement.

4.11 Securities Not Registered; Legends. Each Purchaser acknowledges and agrees that the Securities are being offered in a transaction not involving any public offering within the meaning of the Securities Act, and such Purchaser understands that the Securities have not been registered under the Securities Act, by reason of their issuance by the Company in a transaction exempt from the registration requirements of the Securities Act, and that the Securities must continue to be held and may not be offered, resold, transferred, pledged or otherwise disposed of by such Purchaser unless a subsequent disposition thereof is registered under the Securities Act or is exempt from such registration and in each case in accordance with any applicable securities laws of any state of the United States. Such Purchaser understands that the exemptions from registration afforded by Rule 144 (the provisions of which are known to it) promulgated under the Securities Act depend on the satisfaction of various conditions including, but not limited to, the time and manner of sale, the holding period and on requirements relating to the Company which are outside of such Purchaser's control and which the Company may not be able to satisfy, and that, if applicable, Rule 144 may afford the basis for sales only in limited amounts. Such Purchaser acknowledges and agrees that it has been advised to consult legal counsel prior to making any offer, resale, transfer, pledge or disposition of any of the Securities. Such Purchaser acknowledges that no federal or state agency has passed upon or endorsed the merits of the offering of the Securities or made any findings or determination as to the fairness of this investment.

Each Purchaser understands that the Shares and Warrant Shares may bear one or more legends in substantially the following form and substance:

“THESE SHARES OF COMMON STOCK ARE BEING OFFERED TO INVESTORS WITHOUT REGISTRATION WITH THE UNITED STATES SECURITIES AND EXCHANGE COMMISSION UNDER THE SECURITIES ACT IN RELIANCE UPON REGULATION D PROMULGATED UNDER THE SECURITIES ACT OF 1933, AS AMENDED (“THE SECURITIES ACT”). TRANSFER OF THESE SHARES OF COMMON STOCK IS PROHIBITED, EXCEPT PURSUANT TO REGISTRATION UNDER THE SECURITIES ACT, OR PURSUANT TO AVAILABLE EXEMPTION FROM REGISTRATION.”

In addition, stock certificates representing the Shares and Warrant Shares may contain a legend regarding affiliate status of the Purchaser, if applicable.

4.12 Placement Agents. Each Purchaser hereby acknowledges and agrees that (a) each Placement Agent is acting solely as placement agent in connection with the transactions contemplated by the Transaction Agreements and neither any Placement Agent nor any of its affiliates have acted as an underwriter or in any other capacity and is not and shall not be construed as a fiduciary or financial advisor for such Purchaser, the Company or any other person or entity in connection with the transactions contemplated by the Transaction Agreements, (b) each Placement Agent has not made and does not make any representation or warranty, whether express or implied, of any kind or character, or has not provided any advice or recommendation to the Purchaser in connection with the transactions contemplated by the Transaction Agreements, nor is such information or advice necessary or desired, and such Purchaser is not relying upon, and has not relied upon, any statement, representation or warranty made by any Placement Agent, any of its affiliates or any of its control persons, officers, directors and employees, in making its investment or decision to invest in the Company, (c) each Placement Agent will not have any responsibility with respect to (i) any representations, warranties or agreements made by any person or entity under or in connection with the transactions contemplated by the Transaction Agreements, or the execution, legality, validity or enforceability (with respect to any person) thereof, or (ii) the business, affairs, financial condition, operations, properties or prospects of, or any other matter concerning the Company, and (d) each Placement Agent will not have any liability or obligation (including, for or with respect to any losses, claims, damages, obligations, penalties, judgments, awards, liabilities, costs, expenses or disbursements incurred by such Purchaser, the Company or any other person or entity), whether in contract, tort or otherwise, to such Purchaser, or to any person claiming through it, in respect of the transactions contemplated by the Transaction Agreements and no Placement Agent shall be liable to any Purchaser for any action heretofore or hereafter taken or omitted to be taken by any of them in connection with any Purchaser's purchase of the Securities. No disclosure or offering document has been prepared by the Placement Agents or any of their respective affiliates in connection with the offer and sale of the Securities. Neither the Placement Agents nor any of their respective affiliates have made or make any representation as to the quality or value of the Securities and the Placement Agents.

4.13 Reliance by the Company. Such Purchaser acknowledges that the Company will rely upon the truth and accuracy of, and the Purchaser's compliance with, the representations, warranties, agreements, acknowledgements and understandings of such Purchaser set forth herein.

4.14 No General Solicitation. The Purchaser acknowledges and agrees that the Purchaser is purchasing the Securities directly from the Company. Purchaser became aware of this offering of the Securities solely by means of direct contact from the Placement Agents or directly from the Company as a result of a pre-existing relationship with the Company or the Placement Agents, and/or their respective advisors (including, without limitation, attorneys, accountants, bankers, consultants and financial advisors), agents, control persons, representatives, affiliates, directors, officers, managers, members, and/or employees, and/or the representatives of such persons. The Securities were offered to Purchaser solely by direct contact between Purchaser and the Company, the Placement Agents, and/or their respective representatives. Purchaser did not become aware of this offering of the Securities, nor were the Securities offered to Purchaser, by any other means, and none of the Company, the Placement Agents and/or their respective representatives acted as investment advisor, broker or dealer to Purchaser. The 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, radio or the internet or presented at any seminar or any other general solicitation or general advertisement, including any of the methods described in Section 502(c) of Regulation D under the Securities Act.

4.15 No Reliance. The Purchaser further acknowledges that there have not been and Purchaser hereby agrees that it is not relying on and has not relied on, any statements, representations, warranties, covenants or agreements made to the Purchaser by or on behalf of the Company, any of its affiliates or any control persons, officers, directors, employees, partners, agents or representatives of any of the foregoing or any other person or entity (including the Placement Agents), expressly or by implication, other than the SEC Reports and those representations, warranties and covenants of the Company expressly set forth in this Agreement.

4.16 Access to Information. In making its decision to purchase the Securities, Purchaser has relied solely upon independent investigation made by Purchaser and upon the representations, warranties and covenants set forth herein. The Purchaser acknowledges and agrees that the Purchaser has received such information as the Purchaser deems necessary in order to make an investment decision with respect to the Securities, including, with respect to the Company. Without limiting the generality of the foregoing, each Purchaser acknowledges that such Purchaser has had an opportunity to review the SEC Reports filed prior to the date hereof. The Purchaser acknowledges and agrees that the Purchaser and the Purchaser's professional advisor(s), if any, have had the opportunity to ask such questions, receive such answers and obtain such information as the Purchaser and such Purchaser's professional advisor(s), if any, have deemed necessary to make an investment decision with respect to the Securities and that the Purchaser has independently made his, her or its own analysis and decision to invest in the Company. Neither such inquiries nor any other due diligence investigation conducted by the Purchaser shall modify, limit or otherwise affect the Purchaser's right to rely on the Company's representations and warranties contained in this Agreement.

4.17 Certain Trading Activities. Other than consummating the transaction contemplated hereby, the Purchaser has not, nor has any Person acting on behalf of or pursuant to any understanding with such Purchaser, directly or indirectly executed any purchases or sales, including Short Sales, of the securities of the Company during the period commencing as of the time that such Purchaser was first contacted by the Company or any other Person regarding the transaction contemplated hereby and ending immediately prior to the date hereof. Notwithstanding the foregoing, in the case of a Purchaser that is a multi-managed investment vehicle whereby separate portfolio managers manage separate portions of such Purchaser's assets and the portfolio managers have no direct knowledge of the investment decisions made by the portfolio managers managing other portions of such Purchaser's assets, the representation set forth above shall only apply with respect to the portion of the assets managed by the portfolio manager that made the investment decision to purchase the Securities covered by this Agreement. Other than to other Persons party to this Agreement or to any Purchaser's advisors, outside attorney, accountant, auditor, or investment advisor (only to the extent necessary to permit evaluation of the investment), 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.

5. Covenants.

5.1 Further Assurances. Each party agrees to cooperate with each other and their respective officers, employees, attorneys, accountants and other agents, and, generally, do such other reasonable acts and things in good faith as may be necessary to effectuate the intents and purposes of this Agreement, subject to the terms and conditions hereof and compliance with applicable law, including taking reasonable action to facilitate the filing of any document or the taking of reasonable action to assist the other parties hereto in complying with the terms hereof. The Purchaser acknowledges that the Company will rely on the acknowledgments, understandings, agreements, representations and warranties contained in this Agreement. Prior to the Closing, (i) the Purchaser agrees to promptly notify the Company if any of the acknowledgments, understandings, agreements, representations and warranties set forth in Section 4 of this Agreement are no longer accurate and (ii) the Company agrees to promptly notify each Purchaser if any of the acknowledgments, understandings, agreements, representations and warranties set forth in Section 3 of this Agreement are no longer accurate.

5.2 Listing. The Company shall cause the Shares to be listed on the Nasdaq Market prior to or at the Closing and shall use its commercially reasonable efforts to maintain the listing and trading of its Common Stock on the Nasdaq Market and, in accordance therewith, will use reasonable best efforts to comply in all material respects with the Company's reporting, filing and other obligations under the rules and regulations of the Nasdaq Market.

5.3 Disclosure of Transactions. The Company shall, (i) if this Agreement is signed on a day that is not a business day or before midnight (New York City time) on any business day, by 9:00 a.m., New York City time, on the first (1st) business day immediately following the date hereof and (ii) if this Agreement is signed between midnight (New York City time) and 9:00 a.m. (New York City time) on any business day, no later than 9:29 a.m. (New York City time), on the date hereof, unless otherwise instructed as to an earlier time by the Placement Agents, file with the SEC a Current Report on Form 8-K (the “**Disclosure Document**”) disclosing all material terms of the transactions contemplated hereby, by the other Transaction Agreements (and including as exhibits to such Current Report on Form 8-K the material Transaction Agreements (including, without limitation, this Agreement and the Registration Rights Agreement)) and all other material non-public information provided to the Purchasers, including any subsequent event that is required to be disclosed by the Company under applicable securities laws as of the time referenced in clauses (i) or (ii) above, as applicable. Upon the issuance of the Disclosure Document, the Company covenants to the Purchasers that no Purchaser shall be in possession of any material, non-public information received from the Company or any of its officers, directors, or employees or agents, that is not disclosed in the Disclosure Document except in the case of information that may have been provided pursuant to any confidentiality agreement between the Company and a Purchaser, provided that to the extent that such information constitutes material non-public information of the Company, the Company covenants and agrees to publicly release such information simultaneously with the Disclosure Document, upon which time such Purchaser shall no longer be in possession of any material non-public information of the Company. The Company understands and confirms that the Purchasers will rely on the foregoing representation in effecting securities transactions. Notwithstanding anything in this Agreement to the contrary, the Company shall not publicly disclose the name of any Purchaser or any of its affiliates or advisers, or include the name of any Purchaser or any of its affiliates or advisers in any press release or filing with the SEC (other than any registration statement contemplated by the Registration Rights Agreement) or any regulatory agency, without the prior written consent of such Purchaser, except (i) as required by the federal securities law in connection with (A) any registration statement contemplated by the Registration Rights Agreement and (B) the filing of final Transaction Agreements (including signature pages thereto) with the SEC or pursuant to other routine proceedings of regulatory authorities, or (ii) to the extent such disclosure is required by law, at the request of the staff of the SEC or regulatory agency or under the regulations of the Nasdaq Market, in which case the Company will provide the Purchaser with prior written notice (including by e-mail) of such disclosure under this clause (ii).

5.4 Integration. The Company has not sold, offered for sale or solicited offers to buy and 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 National Exchange 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.

5.5 Pledge of Securities. The Company acknowledges and agrees that the Securities may be pledged by a Purchaser in connection with a bona fide margin agreement or other loan or financing arrangement that is secured by the Securities. The pledge of Securities shall not be deemed to be a transfer, sale or assignment of the Securities hereunder, and no Purchaser effecting a pledge of Securities shall be required to provide the Company with any notice thereof or otherwise make any delivery to the Company pursuant to this Agreement. The Company hereby agrees to execute and deliver such documentation as a pledgee of the Securities may reasonably request in connection with a pledge of the Securities to such pledgee by a Purchaser; provided that any and all costs to effect the pledge of the Securities are borne by the pledgor and/or pledgee and not the Company. Notwithstanding the foregoing, any Purchaser that is subject to the Company’s Insider Trading and Window Period Policy must comply with such policy as it may pertain to any pledges of Securities.

5.6 Subsequent Equity Sales. From the date hereof until the Shares have been registered under the Securities Act pursuant to an effective registration statement (the “**Lock-Up Period**”), the Company shall not (a) issue shares of Common Stock or Common Stock Equivalents, or (b) file with the SEC a registration statement under the Securities Act relating to any shares of Common Stock or Common Stock Equivalents. Notwithstanding the foregoing, the provisions of this Section 5.6 shall not apply to (i) the issuance of the Securities hereunder and the issuance of Warrant Shares upon exercise of any Warrant; (ii) the transactions contemplated by the Registration Rights Agreement; (iii) the issuance of Common Stock upon the exercise of any options or warrants or upon the vesting of any restricted stock units outstanding on the date hereof; (iv) the issuance of Common Stock or Common Stock Equivalents to employees, directors or consultants pursuant to (A) any stock option or equity incentive or employee stock purchase plan in effect on the date hereof and described in the SEC Reports or (B) any compensation agreements described in the SEC Reports; (v) the issuance of Common Stock in connection with acquisitions or strategic transactions, provided that any such issuance shall only be to a Person which is, itself or through its subsidiaries, an operating company in a business synergistic with the business of the Company, but shall not include a transaction in which the Company is issuing securities primarily for the purpose of raising capital or to an entity whose primary business is investing in securities, provided that the aggregate number of shares of Common Stock issued in accordance with clause (v) of this Section 5.6 do not exceed 5% of the number of shares of Common Stock outstanding immediately after the issuance and sale of the Securities; and (vi) the filing of a registration statement on Form S-8 with respect to any Common Stock or Common Stock Equivalents issued or issuable pursuant to any stock option, stock bonus, or other stock plan or arrangement described in the SEC Reports.

5.7 Reservation of Common Stock. As of the date hereof, the Company has reserved and the Company shall continue to reserve and keep available at all times, free of preemptive rights, a sufficient number of shares of Common Stock for the purpose of enabling the Company to issue all of the Warrant Shares upon exercise of any Warrant.

5.8 Use of Proceeds. The Company shall use the proceeds from the sale of the Securities for working capital and general corporate purposes.

5.9 Removal of Legends.

(a) In connection with any sale, assignment, transfer or other disposition of the Shares or Warrant Shares by a Purchaser pursuant to Rule 144 or pursuant to any other exemption under the Securities Act such that the purchaser acquires freely tradable shares and upon compliance by the Purchaser with the requirements of this Agreement, if requested by the Purchaser by notice to the Company, the Company shall request the Transfer Agent to remove any restrictive legends related to the book entry account holding such shares and make a new, unlegended entry for such book entry shares sold or disposed of without restrictive legends within two (2) business days of any such request therefor from such Purchaser, provided that the Company has timely received from the Purchaser customary representations and other customary documentation reasonably acceptable to the Company in connection therewith. The Company shall be responsible for the fees of its Transfer Agent, its legal counsel and all DTC and other fees associated with such legend removal.

(b) Subject to receipt from the Purchaser by the Company and the Transfer Agent of customary representations and other customary documentation reasonably acceptable to the Company and the Transfer Agent in connection therewith, upon the earliest of such time as the Shares or Warrant Shares (i) have been registered (or registered for resale) under the Securities Act pursuant to an effective registration statement, (ii) have been sold pursuant to Rule 144, (iii) are eligible for resale under Rule 144(b)(1) or any successor provision or (iv) if at any time on or after the date hereof such Purchaser certifies that it is not an “affiliate” of the Company (as such term is used under Rule 144) and that such Purchaser’s holding period for purposes of Rule 144 is at least six (6) months, then, in each such case, the Company shall, in accordance with the provisions of this Section 5.9(b) and within two (2) business days of any request therefor from a Purchaser accompanied by such customary and reasonably acceptable documentation referred to above, (A) deliver to the Transfer Agent irrevocable instructions that the Transfer Agent shall make a new, unlegended entry for such book entry shares, and (B) cause its counsel to deliver to the Transfer Agent one or more opinions to the effect that the removal of such legends in such circumstances may be effected under the Securities Act if required by the Transfer Agent to effect the removal of the legend in accordance with the provisions of this Agreement. Any shares subject to legend removal under this Section 5.9 may be transmitted by the Transfer Agent to the Purchaser by crediting the account of the Purchaser’s prime broker with the DTC System as directed by such Purchaser. The Company shall be responsible for the fees of its Transfer Agent, its legal counsel and all DTC and other fees associated with such legend removal and issuance.

5.10 Material Non-Public Information. Except with respect to the material terms and conditions of the transactions contemplated by the Transaction Documents, the Company covenants and agrees that neither it, nor any other Person acting on its behalf will provide any Purchaser or its agents or counsel with any information that constitutes, or the Company reasonably believes constitutes, material non-public information, unless prior to disclosure of such information the Company identifies such information as being material nonpublic information and provides the Purchaser, and its advisors and representatives with the opportunity to accept or refuse to accept such material nonpublic information for review and such Purchaser shall have accepted in writing, and any Purchaser wishing to obtain such information enters into an appropriate confidentiality agreement with the Company with respect thereto. To the extent that any notice provided pursuant to any Transaction Document constitutes or contains material, non-public information regarding the Company, the Company shall simultaneously file such notice with the SEC 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.

5.11 Equal Treatment of Purchasers. No consideration (including any modification of any Transaction Agreement) shall be offered or paid to any Person to amend or consent to a waiver or modification of any provision of the Transaction Agreements unless the same consideration is also offered to all of the parties to such Transaction Agreement. For clarification purposes, this provision constitutes a separate right granted to each Purchaser by the Company and negotiated separately by each Purchaser and shall not in any way be construed as the Purchasers acting in concert or as a group with respect to the purchase, disposition or voting of Shares or Warrant Shares or otherwise.

5.12 Blue Sky Laws. 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 each Purchaser at the Closing pursuant to this Agreement under applicable securities or “blue sky” laws of the states of the United States (or to obtain an exemption from such qualification). The Company shall make all filings and reports relating to the offer and sale of the Securities required under applicable securities or “blue sky” laws of the states of the United States following the Closing Date.

5.13 Indemnification.

(a) The Company agrees to indemnify and hold harmless each Purchaser and its Affiliates, and their respective directors, officers, trustees, members, managers, employees, investment advisers and agents (collectively, the “**Indemnified Persons**”), from and against any and all losses, claims, damages, liabilities and expenses (including without limitation reasonable and documented attorney fees and disbursements and other documented out-of-pocket expenses reasonably incurred in connection with investigating, preparing or defending any action, claim or proceeding, pending or threatened and the costs of enforcement thereof) to which such Person may become subject as a result of any breach of representation, warranty, covenant or agreement made by or to be performed on the part of the Company under the Transaction Agreements, and will reimburse any such Person for all such amounts as they are incurred by such Person solely to the extent such amounts have been finally judicially determined not to have resulted from such Person’s fraud or willful misconduct.

(b) Any person entitled to indemnification hereunder shall (i) give prompt written notice to the indemnifying party of any claim with respect to which it seeks indemnification and (ii) permit such indemnifying party to assume the defense of such claim with counsel reasonably satisfactory to the indemnified party; provided that any person entitled to indemnification hereunder shall have the right to employ separate counsel and to participate in the defense of such claim, but the fees and expenses of such counsel shall be at the expense of such person unless (a) the indemnifying party has agreed in writing to pay such fees or expenses, (b) the indemnifying party shall have failed to assume the defense of such claim and employ counsel reasonably satisfactory to such person or (c) in the reasonable judgment of any such person, based upon written advice of its counsel, a conflict of interest exists between such person and the indemnifying party with respect to such claims (in which case, if the person notifies the indemnifying party in writing that such person elects to employ separate counsel at the expense of the indemnifying party, the indemnifying party shall not have the right to assume the defense of such claim on behalf of such person); and provided, further, that the failure of any indemnified party to give written notice as provided herein shall not relieve the indemnifying party of its obligations hereunder, except to the extent that such failure to give notice shall materially adversely affect the indemnifying party in the defense of any such claim or litigation. It is understood that the indemnifying party shall not, in connection with any proceeding in the same jurisdiction, be liable for fees or expenses of more than one separate firm of attorneys at any time for all such indemnified parties. No indemnifying party will, except with the consent of the indemnified party, which consent shall not be unreasonably withheld, conditioned or delayed, consent to entry of any judgment or enter into any settlement unless such judgment or settlement (i) imposes no liability or obligation on, (ii) includes as an unconditional term thereof the giving of a complete, explicit and unconditional release from the party bringing such indemnified claims of all liability of the indemnified party in respect of such claim or litigation in favor of, and (iii) does not include any admission of fault, culpability, wrongdoing, or wrongdoing or malfeasance by or on behalf of, the indemnified party. No indemnified party will, except with the consent of the indemnifying party, which consent shall not be unreasonably withheld, conditioned or delayed, consent to entry of any judgment or enter into any settlement.

6. Conditions of Closing.

6.1 Conditions to the Obligation of the Purchasers. The several obligations of each Purchaser to consummate the transactions to be consummated at the Closing, and to purchase and pay for the Securities being purchased by it at the Closing pursuant to this Agreement, are subject to the satisfaction or waiver in writing of the following conditions precedent:

(a) Representations and Warranties. The representations and warranties of the Company contained herein shall be true and correct on and as of the Closing Date with the same force and effect as though made on and as of the Closing Date (it being understood and agreed by each Purchaser that for purposes of this Section 6.1(a), in the case of any representation and warranty of the Company contained herein which is made as of a specific date, such representation and warranty need be true and correct only as of such specific date) and consummation of the Closing shall constitute a reaffirmation by the Company of each of the representations and warranties of the Company contained in this Agreement as of the Closing Date.

(b) Performance. The Company shall have performed in all material respects all obligations and conditions herein required to be performed or observed by the Company on or prior to the Closing Date.

(c) No Injunction. The purchase of and payment for the Securities by each Purchaser shall not be prohibited or enjoined by any law or governmental or court order or regulation and no such prohibition shall have been threatened in writing.

(d) Consents. The Company shall have obtained the consents, permits, approvals, registrations and waivers necessary for the consummation of the purchase and sale of the Securities.

(e) Transfer Agent. The Company shall have furnished all required materials to the Transfer Agent to reflect the issuance of the Shares at the Closing, including irrevocable instructions to the Transfer Agent instructing the Transfer Agent to deliver, on an expedited basis, a certificate or book-entry evidence of the issuance of Shares to each Purchaser hereunder.

(f) 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.

(g) Opinion of Company Counsel. The Company shall have delivered to the Purchasers and the Placement Agents the opinion of Wilson Sonsini Goodrich & Rosati, P.C., dated as of the Closing Date in customary form and substance to be reasonably agreed upon with the Purchasers.

(h) Compliance Certificate. The Chief Executive Officer of the Company shall have delivered to the Purchasers at the Closing Date a certificate certifying that the conditions specified in Sections 6.1(a) (Representations and Warranties), 6.1(b) (Performance), 6.1(c) (No Injunction), 6.1(f) (Adverse Changes) and 6.1(k) (Listing Requirements) of this Agreement have been fulfilled.

(i) Secretary's Certificate. The Secretary of the Company shall have delivered to the Purchasers at the Closing Date a certificate certifying (i) the Amended and Restated Certificate of Incorporation; (ii) the Amended and Restated Bylaws; and (iii) resolutions of the Company's Board of Directors (or an authorized committee thereof) approving this Agreement, the transactions contemplated by this Agreement and the issuance of the Securities and the Warrant Shares.

(j) Registration Rights Agreement. The Company shall have executed and delivered the Registration Rights Agreement in the form attached hereto as Exhibit C (the "**Registration Rights Agreement**") to the Purchasers.

(k) Listing Requirements. No stop order or suspension of trading shall have been imposed by the Nasdaq Market, the SEC or any other governmental or regulatory body with respect to public trading in the Common Stock. The Common Stock shall be listed on a National Exchange and shall not have been suspended, as of the Closing Date, by the SEC or the National Exchange from trading thereon nor shall suspension by the SEC or the National Exchange have been threatened, as of the Closing Date, either (i) in writing by the SEC or the National Exchange or (ii) by falling below the minimum listing maintenance requirements of the National Exchange (with a reasonable prospect of delisting occurring after giving effect to all applicable notice, appeal, compliance and hearing periods); and the Company shall have filed with Nasdaq a Notification Form: Listing of Additional Shares for the listing of the Shares and the Warrant Shares and shall have received confirmation from Nasdaq that it has completed its review of such form with no objections to the transactions contemplated herein.

(l) Good Standing. The Company shall have delivered a certificate evidencing the good standing of the Company in Delaware issued by the Secretary of State of Delaware, as of a date within five business days of the Closing Date.

(m) Lock-up Agreements. The “lock-up” agreements, each substantially in the form of Exhibit D hereto, between the Placement Agents and the officers and directors of the Company relating to sales and certain other dispositions of shares of Common Stock or certain other securities, delivered to the Placement Agents on or before the date hereof, shall be in full force and effect at Closing.

6.2 Conditions to the Obligation of the Company. The obligation of the Company to consummate the transactions to be consummated at the Closing, and to issue and sell to each Purchaser the Common Stock to be purchased by it at the Closing pursuant to this Agreement, is subject to the satisfaction or waiver in writing of the following conditions precedent:

(a) Representations and Warranties. The representations and warranties contained herein of each Purchaser shall be true and correct on and as of the Closing Date, with the same force and effect as though made on and as of the Closing Date (it being understood and agreed by the Company that, in the case of any representation and warranty of a Purchaser contained herein which is not hereinabove qualified by application thereto of a materiality standard, such representation and warranty need be true and correct only in all material respects; provided that the representations and warranties of a Purchaser contained in Sections 4.1 and 4.2 shall be true and correct in all respects) and consummation of the Closing shall constitute a reaffirmation by the Purchaser of each of the representations, warranties, covenants and agreements of the Purchaser contained in this Agreement as of the Closing Date.

(b) Performance. Each Purchaser shall have performed in all material respects all obligations and conditions herein required to be performed or observed by such Purchaser on or prior to the Closing Date.

(c) Injunction. The purchase of and payment for the Securities by each Purchaser shall not be prohibited or enjoined by any law or governmental or court order or regulation.

(d) Registration Rights Agreement. Each Purchaser shall have executed and delivered the Registration Rights Agreement to the Company in the form attached as Exhibit C.

(e) Payment. The Company shall have received payment, by wire transfer of immediately available funds, in the full amount of the purchase price for the number of Securities being purchased by each Purchaser at the Closing as set forth in Exhibit A.

7. Termination.

7.1 Conditions of Termination. This Agreement shall terminate and be void and of no further force and effect, and all obligations of the parties hereunder shall terminate without any further liability on the part of any party in respect thereof, upon the earlier to occur of (a) the mutual written agreement of the Company and each of the Purchasers, (b) by the Company if any of the conditions of Closing set forth in Section 6.2 shall have become incapable of fulfillment, and shall not have been waived by the Company, (c) by a Purchaser (with respect to itself only) if any of the conditions set forth in Section 6.1 shall have become incapable of fulfillment, and shall not have been waived by such Purchaser, or (d) if the Closing has not occurred on or before June 30, 2025, other than as a result of a Willful Breach of a Purchaser’s obligations hereunder; provided, however, that nothing herein shall relieve any party to this Agreement of any liability for common law fraud or for any Willful Breach of any representation, warranty, covenant, obligation or other provision contained in this Agreement and each party will be entitled to any remedies at law or in equity to recover losses, liabilities or damages arising from any such Willful Breach. “**Willful Breach**” means a deliberate act or deliberate failure to act, taken with the actual knowledge that such act or failure to act would result in or constitute a material breach of this Agreement.

8. Miscellaneous Provisions.

8.1 Interpretation. The words “hereof,” “herein” and “hereunder” and words of similar import when used in this Agreement will refer to this Agreement as a whole and not to any particular provision of this Agreement, and section and subsection references are to this Agreement unless otherwise specified. The headings in this Agreement are included for convenience of reference only and will not limit or otherwise affect the meaning or interpretation of this Agreement. Whenever the words “include,” “includes” or “including” are used in this Agreement, they will be deemed to be followed by the words “without limitation.” The phrases “the date of this Agreement,” “the date hereof” and terms of similar import, unless the context otherwise requires, will be deemed to refer to the date set forth in the first paragraph of this Agreement. The meanings given to terms defined herein will be equally applicable to both the singular and plural forms of such terms. All matters to be agreed to by any party hereto must be agreed to in writing by such party unless otherwise indicated herein. References to agreements, policies, standards, guidelines or instruments, or to statutes or regulations, are to such agreements, policies, standards, guidelines or instruments, or statutes or regulations, as amended or supplemented from time to time (or to successors thereto).

8.2 Notices. Any notices or other communications required or permitted to be given hereunder shall be in writing and shall be deemed to be given (a) when delivered if personally delivered to the party for whom it is intended, (b) when delivered, if sent by electronic mail or facsimile with receipt confirmed during normal business hours of the recipient, and if not sent during normal business hours, then on the recipient’s next business day, (c) three (3) days after having been sent by certified or registered mail, return-receipt requested and postage prepaid, or (d) one (1) business day after deposit with a nationally recognized overnight courier, freight prepaid, specifying next business day delivery, with written verification of receipt:

(a) If to the Company, addressed as follows:

Lexeo Therapeutics, Inc.
345 Park Avenue South, Floor 6
New York, NY 10010
Attention: R. Nolan Townsend, Chief Executive Officer
Email: rntownsend@lexeotx.com

with a copy (which shall not constitute notice):

Lexeo Therapeutics, Inc.
345 Park Avenue South, Floor 6
New York, NY 10010
Attention: Jenny R. Robertson, Chief Legal Officer
Email: jrrobertson@lexeotx.com

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

Wilson Sonsini Goodrich & Rosati, P.C.
1301 Avenue of the Americas
New York, NY 10019
Attention: Megan Baier and David Sharon
Email: mbaier@wsgr.com; dsharon@wsgr.com

(b) If to any Purchaser, at its address set forth on Exhibit A or to such e-mail address, facsimile number or address as subsequently modified by written notice given in accordance with this Section 8.2.

Any Person may change the address to which notices and communications to it are to be addressed by notification as provided for herein.

8.3 Severability. If any part or provision of this Agreement is held unenforceable or in conflict with the applicable laws or regulations of any jurisdiction, the invalid or unenforceable part or provisions shall be replaced with a provision which accomplishes, to the extent possible, the original business purpose of such part or provision in a valid and enforceable manner, and the remainder of this Agreement shall remain binding upon the parties hereto.

8.4 Governing Law; Submission to Jurisdiction; Venue.

(a) This Agreement shall be governed by, and construed in accordance with, the laws of the State of New York without regard to choice of laws or conflicts of laws provisions thereof that would require the application of the laws of any other jurisdiction, except to the extent that mandatory principles of Delaware law may apply.

(b) The Company and each of the Purchasers hereby irrevocably and unconditionally:

(i) submits for itself and its property in any legal action or proceeding relating solely to this Agreement or the transactions contemplated hereby, to the general jurisdiction of the any state court or United States Federal court sitting in the City of New York in the State of New York;

(ii) consents that any such action or proceeding may be brought in such courts, and waives any objection that it may now or hereafter have to the venue of any such action or proceeding in any such court or that such action or proceeding was brought in an inconvenient court and agrees not to plead or claim the same to the extent permitted by applicable law;

(iii) agrees that service of process in any such action or proceeding may be effected by mailing a copy thereof by registered or certified mail (or any substantially similar form of mail), postage prepaid, to the party, as the case may be, at its address set forth in Section 8.2 or at such other address of which the other party shall have been notified pursuant thereto;

(iv) agrees that nothing herein shall affect the right to effect service of process in any other manner permitted by law or shall limit the right to sue in any other jurisdiction for recognition and enforcement of any judgment or if jurisdiction in the courts referenced in the foregoing clause (i) are not available despite the intentions of the parties hereto;

(v) agrees that final judgment in any such suit, action or proceeding brought in such a court may be enforced in the courts of any jurisdiction to which such party is subject by a suit upon such judgment, provided that service of process is effected upon such party in the manner specified herein or as otherwise permitted by law; and

(vi) agrees that to the extent that such party has or hereafter may acquire any immunity from jurisdiction of any court or from any legal process with respect to itself or its property, such party hereby irrevocably waives such immunity in respect of its obligations under this Agreement, to the extent permitted by law.

8.5 Waiver. No waiver of any term, provision or condition of this Agreement, whether by conduct or otherwise, in any one or more instances, shall be deemed to be, or be construed as, a further or continuing waiver of any such term, provision or condition or as a waiver of any other term, provision or condition of this Agreement.

8.6 Expenses. Each party shall pay its own out-of-pocket fees and expenses, including the fees and expenses of attorneys, accountants and consultants employed by such party, incurred in connection with the proposed investment in the Securities, the negotiation of the Transaction Agreements and the consummation of the transactions contemplated thereby. The Company shall pay all Transfer Agent fees (including, without limitation, any fees required for same-day processing of any instruction letter delivered by the Company and any exercise notice delivered by a Purchaser), taxes and duties levied in connection with the delivery of any Securities to the Purchasers. If any party shall commence an action or proceeding to enforce any provisions of the Transaction Documents, then, in addition to the obligations of the Company under Section 8.10 of this Agreement and Section 2.5 of the Registration Rights Agreement, the prevailing party in such action or proceeding shall be reimbursed by the non-prevailing party for its reasonable and documented fees of outside counsel and other reasonable and documented costs and expenses incurred with the investigation, preparation and prosecution of such action or proceeding. Notwithstanding the foregoing, the Company will reimburse the Purchasers and Cooley LLP, counsel for Purchasers, for all documented and reasonable consulting, legal and other out of pocket expenses related to the investment and corporate due diligence up to a maximum of \$100,000 upon Closing.

8.7 Assignment. None of the parties may assign its rights or obligations under this Agreement or designate another person (i) to perform all or part of its obligations under this Agreement or (ii) to have all or part of its rights and benefits under this Agreement, in each case without the prior written consent of (x) the Company, in the case of a Purchaser, and (y) the Purchasers, in the case of the Company, provided that a Purchaser may, without the prior consent of the Company, assign its rights to purchase the Securities hereunder to any of its affiliates or to any other investment funds or accounts managed or advised by the investment manager who acts on behalf of such Purchaser (provided each such assignee agrees to be bound by the terms of this Agreement and makes the same representations and warranties set forth in Section 4 hereof). In the event of any assignment in accordance with the terms of this Agreement, the assignee shall specifically assume and be bound by the provisions of this Agreement by executing a writing agreeing to be bound by and subject to the provisions of this Agreement and shall deliver an executed counterpart signature page to this Agreement and, notwithstanding such assumption or agreement to be bound hereby by an assignee, no such assignment shall relieve any party assigning any interest hereunder from its obligations or liability pursuant to this Agreement.

8.8 Confidential Information.

(a) Each Purchaser covenants that until such time as the transactions contemplated by this Agreement are publicly disclosed by the Company, 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), other than to such Purchaser's outside attorney, accountant, auditor or investment advisor only to the extent necessary to permit evaluation of the investment, and the performance of the necessary or required tax, accounting, financial, legal, or administrative tasks and services and other than as may be required by law.

(b) The Company may request from the Purchasers such reasonable and customary additional information as the Company may deem necessary to evaluate the eligibility of the Purchaser to acquire the Securities, and the Purchaser shall promptly provide such information as may reasonably be requested to the extent readily available; provided, that the Company agrees to keep any such information provided by the Purchaser confidential, except (i) as required by the federal securities laws, rules or regulations and (ii) to the extent such disclosure is required by other laws, rules or regulations, at the request of the staff of the SEC or regulatory agency or under the regulations of Nasdaq. Each Purchaser acknowledges that the Company may publicly file a copy of this Agreement and the Registration Rights Agreement with the SEC as exhibits to a periodic report or a registration statement of the Company.

8.9 Third Parties. Nothing in this Agreement, express or implied, is intended to confer on any Person other than the parties to this Agreement any rights, remedies, claims, benefits, obligations or liabilities under or by reason of this Agreement, and no Person that is not a party to this Agreement (including, without limitation, any partner, member, shareholder, director, officer, employee or other beneficial owner of any party to this Agreement, in its own capacity as such or in bringing a derivative action on behalf of a party to this Agreement) shall have any standing as a third party beneficiary with respect to this Agreement or the transactions contemplated hereby. Notwithstanding the foregoing, the Placement Agents are intended third-party beneficiaries of the representations and warranties of the Company and of each Purchaser set forth in Section 3, Section 4 and Section 6.1(g) (as applicable).

8.10 Independent Nature of Purchasers' Obligations and Right. The Company acknowledges and agrees that (i) each Purchaser is acting solely in the capacity of an arm's length purchaser with respect to this Agreement and the other Transaction Agreements and the transactions contemplated hereby and thereby, and (ii) the obligations of each Purchaser under this Agreement and the other Transaction Agreements are several and not joint with the obligations of any other Purchaser, and no Purchaser shall be responsible in any way for the performance obligations of any other Purchaser under this Agreement and other Transaction Agreements. Nothing contained herein, and no action taken by any Purchaser pursuant hereto, shall be deemed to constitute the Purchasers as, and the Company acknowledges that the Purchasers do not so constitute, 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, and the Company will not assert any such claim with respect to such obligations or the transactions contemplated by this Agreement and the other Transaction Agreements. The Company acknowledges and each Purchaser confirms that it has independently participated in the negotiation of the transaction contemplated hereby with the advice of its own counsel and advisors. Each Purchaser also acknowledges that Wilson Sonsini Goodrich & Rosati, P.C. has rendered legal advice to the Company and not such Purchaser. Each Purchaser shall be entitled to independently protect and enforce its rights, including, without limitation, the rights arising out of this Agreement and the other Transaction Agreement, and it shall not be necessary for any other Purchaser to be joined as an additional party in any proceeding for such purpose. The Company has elected to provide all Purchasers with the same terms and Transaction Agreements for the convenience of the Company and not because it was required or requested to do so by any Purchaser.

8.11 Counterparts. This Agreement may be signed in any number of counterparts, each of which shall be an original, but all of which together shall constitute one instrument.

8.12 Entire Agreement; Amendments. This Agreement and the other Transaction Agreements constitute the entire agreement between the parties hereto respecting the subject matter hereof and supersedes all prior agreements, negotiations, understandings, representations and statements respecting the subject matter hereof, whether written or oral. No amendment, modification, alteration, or change in any of the terms of this Agreement shall be valid or binding upon the parties hereto unless made in writing and duly executed by the Company and the Purchasers of at least a majority in interest of the Securities then held by the Purchasers, or if prior to the Closing, Purchasers that have subscribed to purchase a majority of the Securities to be sold pursuant to this Agreement. Notwithstanding the foregoing, this Agreement may not be amended and the observance of any term of this Agreement may not be waived with respect to any Purchaser without the written consent of such Purchaser unless (i) such amendment or waiver applies to all Purchasers in the same fashion and (ii) provided that the consent of each Purchaser is required for any change in the Purchase Price, any change in the type of security to be issued to Purchasers at Closing, and for the waiver of any of the conditions set forth in Section 6.1(d), 6.1(f), or 6.1(k); provided that any proposed amendment or waiver that disproportionately, materially and adversely affects the rights and obligations of any Purchaser (or subset of Purchasers) relative to the comparable rights and obligations of the other Purchasers shall require the prior written consent of such adversely affected Purchaser (or each member of such subset of Purchasers). The Company, on the one hand, and each Purchaser, on the other hand, may by an instrument signed in writing by such parties waive the performance, compliance or satisfaction by such Purchaser or the Company, respectively, with any term or provision hereof or any condition hereto to be performed, complied with or satisfied by such Purchaser or the Company, respectively.

8.13 Survival. The covenants, representations and warranties made by each party hereto contained in this Agreement shall survive the Closing and the delivery of the Securities in accordance with their respective terms. Each Purchaser shall be responsible only for its own representations, warranties, agreements and covenants hereunder.

8.14 Mutual Drafting. This Agreement is the joint product of each Purchaser and the Company and each provision hereof has been subject to the mutual consultation, negotiation and agreement of such parties and shall not be construed for or against any party hereto.

8.15 Reliance. The Company agrees that the Placement Agents, their respective affiliates and their respective representatives shall be entitled to (1) rely on, and shall be protected in acting upon, any certificate, instrument, opinion, notice, letter or any other document or security delivered to any Placement Agent or any Purchaser by or on behalf of the Company, and (2) be indemnified by the Company for acting as a Placement Agent in accordance with the indemnification provisions set forth in the engagement letter, dated March 25, 2025, by and among the Company and the Placement Agents.

8.16 Additional Matters. For the avoidance of doubt, the parties acknowledge and confirm that the terms and conditions of the Securities were determined as a result of arm's-length negotiations.

8.17 Waiver of Jury Trial. IN ANY ACTION, SUIT, OR PROCEEDING IN ANY JURISDICTION BROUGHT BY ANY PARTY AGAINST ANY OTHER PARTY, THE PARTIES EACH KNOWINGLY AND INTENTIONALLY, TO THE GREATEST EXTENT PERMITTED BY APPLICABLE LAW, HEREBY ABSOLUTELY, UNCONDITIONALLY, IRREVOCABLY AND EXPRESSLY WAIVES FOREVER TRIAL BY JURY.

[Remainder of Page Intentionally Left Blank.]

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

COMPANY:

LEXEO THERAPEUTICS, INC.

By: _____
Name: R. Nolan Townsend

Title: Chief Executive Officer

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

PURCHASER:

[●]

By: _____
Name: [●]
Title: [●]

EXHIBIT A

PURCHASERS

<u>Purchaser Name</u>	<u>Number of Shares</u>	<u>Number of Common Warrants</u>	<u>Number of Pre-Funded Warrants</u>	<u>Subscription Amount</u>
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TOTAL:	[]	[]	[]	\$[]
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EXHIBIT B-1

FORM OF COMMON WARRANT

B-1

40

EXHIBIT B-2

FORM OF PRE-FUNDED WARRANT

B-2

41

EXHIBIT C

FORM OF REGISTRATION RIGHTS AGREEMENT

C-1

42

EXHIBIT D

FORM-OF LOCK-UP AGREEMENT

D-1

EXHIBIT E

WIRE INSTRUCTIONS

E-1

44

REGISTRATION RIGHTS AGREEMENT

This REGISTRATION RIGHTS AGREEMENT (the “**Agreement**”) is made as of May 27, 2025 by and among Lexeo Therapeutics, Inc., a corporation organized and existing under the laws of the State of Delaware (the “**Company**”), and the several purchasers signatory hereto (each, a “**Purchaser**” and collectively, the “**Purchasers**”).

RECITALS

WHEREAS, the Company and the Purchasers are parties to a Securities Purchase Agreement, dated as of May 27, 2025 (the “**Purchase Agreement**”), pursuant to which the Company has agreed to issue to the Purchasers, and the Purchasers have agreed to purchase, severally and not jointly, an aggregate of 20,790,120 shares (the “**Initial Shares**”) of the Company’s common stock, par value \$0.0001 per share (the “**Common Stock**”), pre-funded warrants (the “**Pre-Funded Warrants**”) to purchase up to an aggregate of 6,963,556 shares of Common Stock and common warrants (the “**Common Warrants**”) and, together with the Pre-Funded Warrants, the “**Warrants**”) to purchase up to an aggregate of 13,876,838 shares of Common Stock, in each case, pursuant to the Purchase Agreement. The Initial Shares and the shares of Common Stock issuable upon exercise of the Warrants (the “**Warrant Shares**”), without giving effect to any limitations on exercise of the Warrants, and assuming all of the Warrants are exercised for cash, are collectively referred to herein as the “**Shares**”; and

WHEREAS, in connection with the consummation of the transactions contemplated by the Purchase Agreement, and pursuant to the terms of the Purchase Agreement, the parties desire to enter into this Agreement in order to grant certain rights to the Purchasers as set forth below.

NOW, THEREFORE, in consideration of the covenants and promises set forth herein, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree as follows:

AGREEMENT

1. Certain Definitions. Unless the context otherwise requires, the following terms, for all purposes of this Agreement, shall have the meanings specified in this Section 1. Capitalized terms used and not otherwise defined herein that are defined in the Purchase Agreement shall have the meanings given such terms in the Purchase Agreement.

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

“**Allowed Delay**” has the meaning set forth in Section 2.1(b)(ii).

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

“**Business Day**” means any day except any Saturday, any Sunday, any day which is a federal legal holiday in the United States or any day on which banking institutions in the State of New York are authorized or required by law or other governmental action to close; provided, however, for clarification, commercial banks shall not be deemed to be authorized or required by law to remain closed due to “stay at home”, “shelter-in-place”, “non-essential employee” or any other similar orders or restrictions or the closure of any physical branch locations at the direction of any governmental authority so long as the electronic funds transfer systems (including for wire transfers) of commercial banks in the State of New York are generally open for use by customers on such day.

“**Common Stock**” has the meaning set forth in the recitals.

“**Common Warrants**” has the meaning set forth in the recitals.

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

“**Effectiveness Deadline**” means, with respect to the Shelf Registration Statement or New Registration Statement, the sixtieth (60th) calendar day following the Closing Date (or, in the event the SEC reviews and has written comments to the Shelf Registration Statement or the New Registration Statement, the ninetieth (90th) calendar day following the Closing Date); *provided, however*, that if the Company is notified by the SEC (either orally or in writing, whichever is earlier) that the Shelf Registration Statement or the New Registration Statement will not be reviewed or is no longer subject to further review and comments, the Effectiveness Deadline as to such Shelf Registration Statement shall be the fifth (5th) Business Day following the date on which the Company is so notified if such date precedes the dates otherwise required above; *provided, further*, that if the Effectiveness Deadline falls on a Saturday, Sunday or other day that the SEC is closed for business, the Effectiveness Deadline shall be extended to the next Business Day on which the SEC is open for business; *provided, further*, that if the SEC is closed for operations due to a government shutdown or lapse in appropriations, the Effectiveness Deadline shall be extended by the same amount of days that the SEC remains closed for operations.

“**Effectiveness Period**” has the meaning set forth in Section 2.1(b)(i).

“**Exchange Act**” means the Securities Exchange Act of 1934, as amended, and the rules and regulations of the SEC thereunder, all as the same shall be in effect from time to time.

“**Filing Deadline**” has the meaning set forth in Section 2.1(a).

“**FINRA**” means the Financial Industry Regulatory Authority.

“**Form S-1**” means a registration statement on form S-1 under the Securities Act.

“**Form S-3**” means such form under the Securities Act as in effect on the date hereof or any successor or similar registration form under the Securities Act subsequently adopted by the SEC that permits inclusion or incorporation of substantial information by reference to other documents filed by the Company with the SEC.

“**Free Writing Prospectus**” means an issuer free writing prospectus, as defined in Rule 433 under the Securities Act, relating to an offer of Registrable Securities.

“**Holder**” means any Purchaser or its permitted assignee owning or having the right to acquire Registrable Securities.

“**Initial Shares**” has the meaning set forth in the recitals.

“**Losses**” has the meaning set forth in Section 2.5(a).

“**New Registration Statement**” has the meaning set forth in Section 2.1(a).

“**Participating Holder**” means with respect to any registration, any Holder of Registrable Securities covered by the applicable Registration Statement.

“**Pre-Funded Warrants**” has the meaning set forth in the recitals.

“**Prospectus**” means the prospectus included in any Registration Statement (including a prospectus that discloses information previously omitted from a prospectus filed as part of an effective Shelf Registration Statement in reliance upon Rule 430A or Rule 430B promulgated under the Securities Act), all amendments and supplements to such prospectus, including pre- and post-effective amendments to such Registration Statement, and all other material incorporated by reference in such prospectus.

“**Register**,” “**registered**” and “**registration**” refer to a registration effected by preparing and filing a registration statement in compliance with the Securities Act, and the declaration or ordering of effectiveness of such registration statement or document.

“Registrable Securities” means (i) the Shares and (ii) any Common Stock issued as a dividend, recapitalization, other distribution or similar event with respect to, or in exchange for or in replacement of, Shares; provided, that the Holder has completed and delivered to the Company a selling stockholder questionnaire (which questionnaire was delivered by the Company to the Holder for completion and the Holder was given at least five (5) Business Days to complete such questionnaire) and any other information regarding the Holder and the distribution of the Registrable Securities as the Company may, from time to time, reasonably request for inclusion in a Registration Statement pursuant to applicable law. Notwithstanding the foregoing, Shares shall cease to be Registrable Securities for all purposes hereunder upon the earliest to occur of the following: (a) the sale by any Person of such Shares or any such Common Stock, as applicable, either pursuant to a registration statement under the Securities Act or under Rule 144 (or any similar provision then in effect) (in which case, only such Shares sold shall cease to be Registrable Securities), (b) such Shares shall have been otherwise transferred, new certificates for such Shares not bearing a legend restricting further transfer shall have been delivered by Company and subsequent public distribution of such Shares shall not require registration under the Securities Act, (c) such Shares may be sold pursuant to Rule 144 (as defined below) or another similar exemption under the Securities Act (as defined below) without limitation during a three-month period without registration, or (d) such Shares cease to be outstanding.

“Registration Statement” means any registration statement of the Company that covers the resale of any of the Registrable Securities pursuant to the provisions of this Agreement filed with, or to be filed with, the SEC under the rules and regulations promulgated under the Securities Act, including the related Prospectus, amendments and supplements to such registration statement, including pre- and post-effective amendments, and all exhibits and all material incorporated by reference or deemed to be incorporated by reference in such registration statement.

“Remainder Registration Statement” has the meaning set forth in [Section 2.1\(a\)](#).

“Required Holders” means the Holders holding a majority of the Registrable Securities outstanding from time to time (determined as if all of the Warrants then outstanding have been exercised without regard to any limitations on the exercise of such Warrants pursuant to the terms thereof).

“Rule 144” means Rule 144 as promulgated by the SEC under the Securities Act, as such rule may be amended from time to time, or any similar successor rule that may be promulgated by the SEC having substantially the same effect as such Rule.

“SEC” means the Securities and Exchange Commission or any other federal agency at the time administering the Securities Act.

“SEC Guidance” means any publicly-available written or oral guidance, comments, requirements or requests of the SEC staff under the Securities Act; provided, that any such oral guidance, comments, requirements or requests are reduced to writing by the SEC.

“Securities Act” means the Securities Act of 1933, as amended, or any similar successor federal statute and the rules and regulations thereunder, all as the same shall be in effect from time to time.

“Shares” has the meaning set forth in the recitals.

“Shelf Registration Statement” has the meaning set forth in [Section 2.1\(a\)](#).

“Transaction Agreements” means this Agreement, the Purchase Agreement and the Warrants, all exhibits and schedules thereto and hereto and any other documents or agreement executed in connection with the transactions contemplated hereunder or thereunder.

“Warrants” has the meaning set forth in the recitals.

“Warrant Shares” has the meaning set forth in the recitals.

2. [Registration Rights](#).

2.1 Shelf Registration.

(a) Registration Statements. On or prior to thirty (30) calendar days following the Closing Date (the “**Filing Deadline**”), the Company shall prepare and file with the SEC a Registration Statement on Form S-3 or a Registration Statement on Form S-1 if the Company is not eligible to use Form S-3, subject to the provisions of Section 2.1(c), for the resale of the Registrable Securities pursuant to an offering to be made on a continuous basis pursuant to Rule 415 under the Securities Act or, if Rule 415 is not available for offers and sales of the Registrable Securities, by such other means of distribution of Registrable Securities as the Holders may reasonably specify (the “**Shelf Registration Statement**”). Such Shelf Registration Statement shall, subject to the limitations of Form S-3 (or such other form available to register for resale the Registrable Securities as a secondary offering), include the aggregate amount of Registrable Securities to be registered therein and shall contain (except if otherwise required pursuant to written comments received from the SEC upon a review of such Shelf Registration Statement) the “Plan of Distribution” substantially in the form of Annex A (which may be modified to respond to comments, if any, provided by the SEC). To the extent the staff of the SEC does not permit all of the Registrable Securities to be registered on the Shelf Registration Statement filed pursuant to this Section 2.1(a) or for any other reason any Registrable Securities are not then included in a Registration Statement filed under this Agreement, the Company shall (i) promptly inform each of the Participating Holders thereof and file amendments to the Shelf Registration Statement as required by the SEC and/or (ii) withdraw the Shelf Registration Statement and file a new registration statement (a “**New Registration Statement**”), in either case covering the maximum number of Registrable Securities permitted to be registered by the SEC, on Form S-3 or a Registration Statement on Form S-1 if the Company is not eligible to use Form S-3. Notwithstanding any other provision of this Agreement, if any SEC Guidance sets forth a limitation of the number of Registrable Securities permitted to be registered on a particular Registration Statement as a secondary offering, unless otherwise directed in writing by a Holder as to its Registrable Securities, the number of Registrable Securities to be registered on such Registration Statement will first be reduced by Registrable Securities not acquired pursuant to the Purchase Agreement (whether pursuant to registration rights or otherwise), and second by Registrable Securities acquired pursuant to the Purchase Agreement (applied, in the case that some Registrable Securities may be registered, to the Holders on a pro rata basis based on the total number of unregistered Registrable Securities held by such Holders, subject to a determination by the SEC that certain Holders must be reduced first based on the number of Registrable Securities held by such Holders). In the event the Company amends the Shelf Registration Statement or files a New Registration Statement, as the case may be, under clauses (i) or (ii) above, the Company will use its commercially reasonable efforts to file with the SEC, as promptly as allowed by the SEC or SEC Guidance provided to the Company or to registrants of securities in general, one or more Registration Statements on Form S-3 or such other form available to register for resale those Registrable Securities that were not registered for resale on the Shelf Registration Statement, as amended, or the New Registration Statement (the “**Remainder Registration Statement**”). In no event shall any Participating Holder be identified as a statutory underwriter in the Registration Statement unless in response to a comment or request from the staff of the SEC or another regulatory agency; provided, however, that if the SEC requests that a Participating Holder be identified as a statutory underwriter in the Registration Statement, such Holder will have an opportunity to withdraw from the Registration Statement.

(b) Effectiveness.

(i) The Company shall use best efforts to have the Shelf Registration Statement or New Registration Statement declared effective as soon as practicable but in no event later than the Effectiveness Deadline (including filing with the SEC a request for acceleration of effectiveness in accordance with Rule 461 promulgated under the Securities Act), and shall use its best efforts to keep the Shelf Registration Statement or New Registration Statement continuously effective under the Securities Act until the earlier of (A) such time as all of the Registrable Securities covered by such Registration Statement have been publicly sold by the Holders, (B) the date that all the Shares cease to be Registrable Securities (the “**Effectiveness Period**”), or (C) five (5) years from the date of effectiveness of the Shelf Registration Statement; provided, that, the Company will not be obligated to update the Registration Statement and no sales may be made under the applicable Registration Statement during any Allowed Delay of which the Holders have received notice. The Company shall notify the Participating Holders of the effectiveness of a Registration Statement by e-mail as promptly as practicable, and shall, if requested provide the Participating Holders with copies of the final Prospectus to be used in connection with the sale or other disposition of the securities covered thereby.

(ii) On no more than two occasions and for not more than forty-five (45) consecutive days or for a total of not more than ninety (90) days, in each case in any twelve (12) month period, the Company may suspend the use of any Prospectus included in any Registration Statement contemplated by this Section 2 if (A) the negotiation or consummation of a transaction by the Company is pending or an event has occurred, which negotiation, consummation or event, the Board reasonably believes, upon the advice of legal counsel, would require additional disclosure by the Company in the Registration Statement of material information that the Company has a bona fide business purpose for keeping confidential and the non-disclosure of which in the Registration Statement would be expected, in the reasonable determination of the Board, upon the advice of legal counsel, to cause the Registration Statement to fail to comply with applicable disclosure requirements, or (B) the Company determines in good faith, upon advice of legal counsel, that such suspension is necessary to amend or supplement the Registration Statement or the related Prospectus so that such Registration Statement or Prospectus shall not include an 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 the Prospectus in light of the circumstances under which they were made, not misleading (an “**Allowed Delay**”); *provided*, that the Company shall promptly (1) notify each Participating Holder in writing of the commencement of an Allowed Delay, but shall not (without the prior written consent of a Participating Holder) disclose to such Participating Holder any material non-public information giving rise to an Allowed Delay, (2) advise the Participating Holders in writing to cease all sales under such Registration Statement until the end of the Allowed Delay and (3) use commercially reasonable efforts to terminate an Allowed Delay as promptly as practicable.

(c) In the event that Form S-3 is not available for the registration of the resale of Registrable Securities hereunder, the Company shall (i) register the resale of the Registrable Securities on another appropriate form reasonably acceptable to the Holders and (ii) undertake to register the Registrable Securities on Form S-3 promptly after such form is available; provided, that the Company shall maintain the effectiveness of the Registration Statement then in effect until such time as a Registration Statement on Form S-3 covering the Registrable Securities has been declared effective by the SEC.

(d) If: (i) the initial Registration Statement is not filed with the SEC on or prior to the Filing Deadline, (ii) the initial Registration Statement or the New Registration Statement, as applicable, is not declared effective by the SEC (or otherwise does not become effective) for any reason on or prior to the Effectiveness Deadline, (iii) after its Effective Date, (A) such Registration Statement ceases for any reason (including without limitation by reason of a stop order, or the Company's failure to update the Registration Statement), to remain continuously effective as to all Registrable Securities for which it is required to be effective, or (B) the Holders are not permitted to utilize the Prospectus therein to resell such Registrable Securities (other than during an Allowed Delay), (iv) an Allowed Delay applicable to a Required Registration Statement exceeds the length of the Allowed Delay, or (v) after the Filing Deadline, and only in the event a Registration Statement is not effective or available to sell all Registrable Securities, the Company fails to file with the SEC any required reports under Section 13 or 15(d) of the Exchange Act such that it is not in compliance with Rule 144(c)(1), as a result of which the Holders who are not affiliates are unable to sell Registrable Securities without restriction under Rule 144 (any such failure or breach in clauses (i) through (v) above being referred to as an **"Event,"** and, for purposes of clauses (i), (ii), (iii) or (v), the date on which such Event occurs, or for purposes of clause (iv) the date on which such Allowed Delay is exceeded, being referred to as an **"Event Date"**), then in addition to any other rights the Holders may have hereunder or under applicable law, on each such Event Date and on each monthly anniversary of each such Event Date (if the applicable Event shall not have been cured by such date) until the applicable Event is cured, the Company shall pay to each Holder an amount in cash, as liquidated damages and not as a penalty (**"Liquidated Damages"**), equal to 1.0% of the aggregate purchase price paid by such Holder pursuant to the Purchase Agreement for any Registrable Securities held by such Holder on the Event Date. The parties agree that notwithstanding anything to the contrary herein or in the Purchase Agreement, no Liquidated Damages shall be payable (i) if as of the relevant Event Date, the Registrable Securities may be sold by the Holders without volume or manner of sale restrictions under Rule 144, as determined by counsel to the Company pursuant to a written opinion letter to such effect, addressed and reasonably acceptable to the Holder and the Company's transfer agent, (ii) to a Holder causing an Event that relates to or is caused by any action or inaction taken by such Holder, (iii) to a Holder in the event it is unable to lawfully sell any of its Registrable Securities because of possession of material non-public information or (iv) with respect to any period after the expiration of the Effectiveness Period (it being understood that this clause shall not relieve the Company of any Liquidated Damages accruing prior to the expiration of the Effectiveness Period). If the Company fails to pay any Liquidated Damages pursuant to this Section 2.1(d) in full within ten (10) Business Days after the date payable, the Company will pay interest on the amount of Liquidated Damages then owing to the Holder at a rate of 0.5% per month on an annualized basis (or such lesser maximum amount that is permitted to be paid by applicable law) to the Holder, accruing daily from the date such Liquidated Damages are due until such amounts, plus all such interest thereon, are paid in full. The Company shall not be liable for Liquidated Damages under this Agreement as to any Registrable Securities which are not permitted by the SEC to be included in a Registration Statement due solely to SEC Guidance from the time that it is determined that such Registrable Securities are not permitted to be registered until such time as the provisions of this Agreement as to the Remainder Registration Statements required to be filed hereunder are triggered, in which case the provisions of this Section 2.1(d) shall once again apply, if applicable. In such case, the Liquidated Damages shall be calculated to only apply to the percentage of Registrable Securities which are permitted in accordance with SEC Guidance to be included in such Registration Statement. The Liquidated Damages pursuant to the terms hereof shall apply on a daily pro rata basis for any portion of a month prior to the cure of an Event, except in the case of the first Event Date. With respect to a Holder, the Effectiveness Deadline for a Registration Statement shall be extended without default or Liquidated Damages hereunder in the event that the Company's failure to obtain the effectiveness of the Registration Statement on a timely basis results from the failure of such Holder to timely provide the Company with information requested by the Company and necessary to complete the Registration Statement in accordance with the requirements of the Securities Act (in which case the Effectiveness Deadline would be extended with respect to Registrable Securities held by such Holder). The parties agree that the maximum aggregate Liquidated Damages payable to a Holder of Registrable Securities under this Agreement shall be 5.0% of the aggregate purchase price paid by such Holder pursuant to the Purchase Agreement for the Registrable Securities then held by such Holder.

2.2 Expenses. The Company will pay all expenses associated with each Registration Statement, including filing and printing fees, the Company's counsel and accounting fees and expenses, costs associated with clearing the Registrable Securities for sale under applicable state securities laws and listing fees, but excluding discounts, commissions, fees of underwriters, selling brokers, dealer managers or similar securities industry professionals with respect to the Registrable Securities being sold (unless such underwriters, brokers, managers or professionals are retained by the Company).

2.3 Company Obligations. The Company will use commercially reasonable efforts to effect the registration of the Registrable Securities in accordance with the terms hereof, and pursuant thereto the Company will:

(a) prepare the required Registration Statement including all exhibits and financial statements required under the Securities Act to be filed therewith, and provide copies to and permit each Participating Holder to review each Registration Statement and all amendments and supplements thereto prior to their filing with the SEC and a reasonable opportunity to furnish comments thereon (it being acknowledged and agreed that if a Participating Holder does not object to or comment on the aforementioned documents, then the Participating Holder shall be deemed to have consented to and approved the use of such documents);

(b) file with the SEC a Registration Statement relating to the Registrable Securities including all exhibits and financial statements required by the SEC to be filed therewith, and use its best efforts to cause such Registration Statement to become effective under the Securities Act;

(c) prepare and file with the SEC such amendments and post-effective amendments to such Registration Statement and the related Prospectus as may be necessary to keep such Registration Statement effective for the Effectiveness Period and to comply with the provisions of the Securities Act and the Exchange Act with respect to the distribution of all of the Registrable Securities covered thereby;

(d)(i) notify the Participating Holders by facsimile or e-mail as promptly as practicable after any Registration Statement is declared effective or any post effective amendment to a Registration Statement is declared effective, and shall simultaneously provide the Participating Holders with copies of any related Prospectus to be used in connection with the sale or other disposition of the securities covered thereby (provided, that the Company will not have any obligation to provide any document pursuant to this clause that is available on the EDGAR system), (ii) promptly notify the Participating Holders no later than one (1) trading day following the date (A) of the issuance by the SEC of any stop order suspending the effectiveness of such Registration Statement covering any or all of the Registrable Securities or any order by the SEC preventing or suspending the use of any preliminary or final Prospectus or the initiation of any proceedings for such purposes, (B) of the receipt by the Company of any notification with respect to the suspension of the qualification of the Registrable Securities for offering or sale in any jurisdiction and (C) of the receipt by the Company of any notification with respect to the initiation or threatening of any proceeding for the suspension of the qualification of the Registrable Securities for offering or sale in any jurisdiction;

(e) promptly notify the Participating Holders, at any time prior to the end of the Effectiveness Period, upon discovery that, or upon the happening of any event as a result of which, the Prospectus includes an untrue statement of a material fact or omits to state any material fact required to be stated therein or necessary to make the statements therein not misleading in light of the circumstances then existing (provided that such notice shall not, without the prior written consent of a Participating Holder, disclose to such Participating Holder any material nonpublic information regarding the Company), and promptly prepare, file with the SEC and furnish to such Holder a supplement to or an amendment of such Prospectus as may be necessary so that such Prospectus shall not include an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading in light of the circumstances then existing;

(f) promptly incorporate in a Prospectus supplement, Free Writing Prospectus or post-effective amendment to the applicable Registration Statement such information as the Participating Holders reasonably request to be included therein relating to the plan of distribution with respect to such Registrable Securities, and make all required filings of such Prospectus supplement, Free Writing Prospectus or post-effective amendment as soon as reasonably practicable after being notified of the matters to be incorporated in such Prospectus supplement, Free Writing Prospectus or post-effective amendment;

(g) furnish to each Participating Holder whose Registrable Securities are included in any Registration Statement (i) promptly after the same is prepared and filed with the SEC, if requested by the Participating Holder, one (1) copy of any Registration Statement and any amendment thereto, each preliminary prospectus and Prospectus and each amendment or supplement thereto, and each letter written by or on behalf of the Company to the SEC or the staff of the SEC, and each item of correspondence from the SEC or the staff of the SEC, in each case relating to such Registration Statement (other than any portion thereof which contains information for which the Company has sought confidential treatment), and (ii) such number of copies of a Prospectus, including a preliminary prospectus, and all amendments and supplements thereto and such other documents as such Participating Holder may reasonably request in order to facilitate the disposition of the Registrable Securities owned by such Participating Holder that are covered by such Registration Statement;

(h) on or prior to the date on which the Registration Statement is declared effective, use its commercially reasonable efforts to register or qualify, or cooperate with the Participating Holders and their respective counsel, in connection with the registration or qualification (or exemption from the registration or qualification) of such Registrable Securities for offer and sale under the applicable state securities or "Blue Sky" laws of those jurisdictions within the United States as any Participating Holder or their respective counsel reasonably request in writing and do any and all other acts or things reasonably necessary or advisable to keep such registration or qualification (or exemption therefrom) in effect during the Effectiveness Period, provided that the Company shall not be required to qualify generally to do business or as a dealer in securities in any jurisdiction where it is not then so qualified or to take any action which would subject it to taxation or general service of process in any such jurisdiction where it is not then so subject;

(i) within two (2) Business Days after a Registration Statement which covers Registrable Securities is ordered effective by the SEC, the Company shall deliver to the transfer agent for such Registrable Securities (with copies to each Participating Holder whose Registrable Securities are included in such Registration Statement) confirmation that such Registration Statement has been declared effective by the SEC;

(j) cooperate with each Participating Holder participating in the disposition of such Registrable Securities and their respective counsel in connection with any filings required to be made with FINRA or any other securities regulatory authority;

(k) otherwise use commercially reasonable efforts to comply with all applicable rules and regulations of the SEC under the Securities Act and the Exchange Act, including, without limitation, Rule 172 under the Securities Act, file any final Prospectus, including any supplement or amendment thereof, with the SEC pursuant to Rule 424 under the Securities Act, promptly inform the Participating Holders in writing if, at any time during the Effectiveness Period, the Company does not satisfy the conditions specified in Rule 172 and, as a result thereof, the Participating Holders are required to deliver a Prospectus in connection with any disposition of Registrable Securities and take such other actions as may be reasonably necessary to facilitate the registration of the Registrable Securities hereunder; and make available to its security holders, as soon as reasonably practicable, an earnings statement covering satisfying the provisions of Section 11(a) of the Securities Act;

(l) use commercially reasonable efforts to maintain the listing of all Registrable Securities on each securities exchange on which the Common Stock is then listed or quoted and on each inter-dealer quotation system on which any of the Common Stock is then quoted; and

(m) with a view to making available to the Purchasers the benefits of Rule 144 (or its successor rule) and any other rule or regulation of the SEC that may at any time permit the Purchasers to sell shares of Common Stock to the public without registration, the Company covenants and agrees to: (i) make and keep adequate current public information available, as those terms are understood and defined in Rule 144, until the earlier of (A) the date as all of the Registrable Securities shall have been otherwise transferred, new certificates for such Securities not bearing a legend restricting further transfer shall have been delivered by Company and subsequent public distribution of such Registrable Securities shall not require registration under the Securities Act or (B) such date as all of the Registrable Securities shall have been resold; (ii) file with the SEC in a timely manner all reports and other documents required of the Company under the Exchange Act; and (iii) furnish to each Purchaser upon request, as long as such Purchaser owns any Registrable Securities, (A) a written statement by the Company that it has complied with the reporting requirements of the Exchange Act, (B) a copy of the Company's most recent Annual Report on Form 10-K or Quarterly Report on Form 10-Q, and (C) such other information as may be reasonably requested in order to avail such Purchaser of any rule or regulation of the SEC that permits the selling of any such Registrable Securities without registration.

2.4 Obligations of the Purchasers.

(a) Notwithstanding any other provision of the Agreement, no Holder of Registrable Securities may include any of its Registrable Securities in the Registration Statement pursuant to this Agreement unless the Holder furnishes to the Company a completed and signed selling stockholder questionnaire (delivered to the Holder for completion) in customary form that contains such information regarding Purchaser, the securities of the Company held by Purchaser and the intended method of disposition of the Registrable Securities as shall be reasonably requested by the Company to effect the registration of the Registrable Securities, at least ten (10) Business Days prior to the first anticipated filing date of any Registration Statement if such Purchaser elects to have any of its Registrable Securities included in the Registration Statement. Each Holder who intends to include any of its Registrable Securities in the Registration Statement shall promptly furnish the Company in writing such other information as the Company may reasonably request in writing. Each Holder acknowledges and agrees that the information in the selling shareholder questionnaire or request for further information as described in this Section 2.4(a) will be used by the Company in the preparation of the Registration Statement and hereby consents to the inclusion of such information in the Registration Statement, but only to the extent, such information is required by Regulation S-K. The Company shall not be obligated to file more than one post-effective amendment or supplement in any sixty (60) day period following the date such Registration Statement is declared effective for the purposes of naming Holders as selling security holders who are not named in such Registration Statement at the time of effectiveness.

(b) Each Purchaser, by its acceptance of the Registrable Securities agrees to cooperate with the Company as reasonably requested by the Company in connection with the preparation and filing of a Registration Statement hereunder, unless such Purchaser has notified the Company in writing of its election to exclude all of its Registrable Securities from such Registration Statement. The Company may require each selling Holder to furnish to the Company a certified statement as to (i) the number of shares of Common Stock beneficially owned by such Holder and any affiliate thereof, (ii) any FINRA affiliations, (iii) any natural persons who have the power to vote or dispose of the Common Stock and (iv) any other information as may be requested by the SEC, FINRA or any state securities commission. Each Holder agrees by its acquisition of such Registrable Securities that, it will not commence a disposition of Registrable Securities under the Registration Statement until such Holder has received (i) written confirmation from the Company of the availability of the Registration Statement, or (ii) copies of the supplemented Prospectus and/or amended Registration Statement as described, and, in each case, has also received copies of any additional or supplemental filings that are incorporated or deemed to be incorporated by reference in such Prospectus or Registration Statement.

(c) Each Purchaser agrees that, upon receipt of any notice from the Company of either (i) the commencement of an Allowed Delay pursuant to Section 2.1(b) or (ii) the happening of any event of the kind described in Section 2.3(d) and Section 2.3(e) hereof, such Purchaser will immediately discontinue disposition of Registrable Securities pursuant to the Registration Statement covering such Registrable Securities, until the Purchaser is advised by the Company that such dispositions may again be made and/or the use of the applicable Prospectus (as it may have been supplemented or amended) may be resumed and, if so directed by the Company, each Holder will deliver to the Company or destroy (at the Company's expense) all copies, other than permanent file copies then in its possession, of the Prospectus covering such Registrable Securities current at the time of receipt of such notice.

2.5 Indemnification.

(a) Indemnification by the Company. The Company will, notwithstanding any termination of this Agreement, indemnify, defend and hold harmless each Participating Holder who sells Registrable Securities covered by such Registration Statement and its officers, directors, partners, members, managers, employees, representatives, brokers, equity holders, principals, managers, portfolio managers, trustees, investment advisors, predecessors, subsidiaries, attorneys, advisors investment advisers and agents, successors and assigns, and each other person, if any, who controls such Participating Holder or any Affiliate thereof within the meaning of the Securities Act and each of their respective Affiliates (each a “**Holder Indemnified Person**”), to the fullest extent permitted by applicable law, against any and all losses, claims, damages, liabilities, obligations and expenses (including reasonable attorney fees, judgments, amounts paid in settlements and court costs) (collectively, “**Losses**”), actually incurred, joint or several, to which they may become subject under the Securities Act or otherwise, insofar as such Losses (or actions in respect thereof) arise out of or are based upon: (i) any untrue statement or alleged untrue statement of any material fact contained in any Registration Statement, any preliminary Prospectus or final Prospectus, or any amendment or supplement thereof or arising out of or relating to any omission or alleged omission to state therein a material fact required to be stated therein or necessary to make the statements therein (in the case of any Prospectus or form of prospectus or supplement thereto, in light of the circumstances under which they were made) not misleading; or (ii) any violation by the Company or its agents of any rule or regulation promulgated under the Securities Act applicable to the Company or its agents and relating to action or inaction required of the Company in connection with such registration; and will reimburse such Holder Indemnified Person for any legal or other expenses reasonably incurred by them in connection with investigating, defending, preparing to defend, providing evidence in, preparing to serve or serving as witness with respect to, settling, compromising or paying any such Loss or action; provided, however, that the Company will not be liable in any such case to the extent that any such Losses arise out of or are based upon (x) an untrue statement or alleged untrue statement or omission or alleged omission so made in reliance upon or in conformity with information furnished by such Purchaser or any such controlling person in writing specifically for use in such Registration Statement or Prospectus (preliminary, final or summary) or any amendment or supplement thereto or to the extent that such information relates to such Holder or such Holder’s proposed method of distribution of Registrable Securities and was reviewed and approved in writing by such Holder expressly for use in the Registration Statement, such Prospectus or such form of Prospectus or in any amendment or supplement thereto (it being understood that each Holder has approved Annex A hereto for this purpose), (y) the use by a Holder of an outdated or defective Prospectus after the Company has notified such Holder in writing that such Prospectus is outdated or defective or (z) a Purchaser’s (or any other indemnified Person’s) failure to send or give a copy of the Prospectus or supplement (as then amended or supplemented), if required, pursuant to Rule 172 under the Securities Act (or any successor rule) to the Persons asserting an untrue statement or alleged untrue statement or omission or alleged omission at or prior to the written confirmation of the sale of Registrable Securities to such Person if such statement or omission was corrected in such Prospectus or supplement.

(b) Indemnification by the Participating Holders. Each Purchaser agrees, severally but not jointly with any other Purchaser, to indemnify and hold harmless, to the fullest extent permitted by law, the Company, its directors, officers, employees, stockholders, agents, and each person who controls the Company (within the meaning of the Securities Act and the Exchange Act) against any Losses (i) arising out of, based on, or resulting from any untrue statement or alleged untrue statement of a material fact or any omission or alleged omission of a material fact required to be stated in any Registration Statement or Prospectus (preliminary, final or summary) or any amendment or supplement thereto or necessary to make the statements therein (in the case of any Prospectus or form of prospectus or supplement thereto, in light of the circumstances under which they were made) not misleading, to the extent, but only to the extent that such untrue statement or alleged untrue statement or omission or alleged omission is contained in any information furnished in writing by such Purchaser to the Company specifically for inclusion in such Registration Statement or Prospectus or amendment or supplement thereto, or a document incorporated by reference into any of the foregoing; or to the extent that such information relates to such Holder or such Holder’s proposed method of distribution of Registrable Securities and was reviewed and approved in writing by such Holder expressly for use in a Registration Statement (it being understood that the Holder has approved Annex A hereto for this purpose), such Prospectus or such form of Prospectus or in any amendment or supplement thereto or (ii) related to the use by such Holder of an outdated or defective Prospectus after the Company has notified such Holder in writing that the Prospectus is outdated or defective. In no event shall the liability of any selling Holder hereunder be greater in amount than the dollar amount of the net proceeds received by such Holder upon the sale of the Registrable Securities included in the Registration Statement giving rise to such indemnification obligation.

(c) Conduct of Indemnification Proceedings. Any Person entitled to indemnification hereunder shall (i) give prompt written notice to the indemnifying party of any claim with respect to which it seeks indemnification and (ii) permit such indemnifying party to assume the defense of such claim with counsel reasonably satisfactory to the indemnified party (provided, however, that such indemnified party shall, at the expense of the indemnified party, be entitled to counsel of its own choosing to monitor such defense); provided that, subject to the preceding sentence, any Person entitled to indemnification hereunder shall have the right to employ separate counsel and to participate in the defense of such claim, but the fees and expenses of such counsel shall be at the expense of such Person unless (A) the indemnifying party has agreed to pay such fees or expenses, or (B) the indemnifying party shall have failed to assume the defense of such claim and employ counsel reasonably satisfactory to such person or (C) in the reasonable judgment of any such Person, based upon written advice of its counsel, a conflict of interest exists between such person and the indemnifying party with respect to such claims (in which case, if the Person notifies the indemnifying party in writing that such Person elects to employ separate counsel at the expense of the indemnifying party, the indemnifying party shall not have the right to assume the defense of such claim on behalf of such Person); and provided, further, that the failure of any indemnified party to give notice as provided herein shall not relieve the indemnifying party of its obligations hereunder, except to the extent that such failure to give notice shall materially adversely affect the indemnifying party in the defense of any such claim or litigation. It is understood that the indemnifying party shall not, in connection with any proceeding in the same jurisdiction, be liable for fees or expenses of more than one separate firm of attorneys at any time for all such indemnified parties. No indemnifying party will, except with the consent of the indemnified party, which consent shall not be unreasonably withheld, conditioned or delayed, effect any settlement of or consent to the entry of any judgment with respect to any proceeding in respect of which any indemnified party is or could have been a party and indemnity could have been sought hereunder or enter into any settlement that does not include as an unconditional term thereof the giving by the claimant or plaintiff to such indemnified party of a release from all liability in respect of such claim or litigation, unless such settlement (x) includes an unconditional release of such indemnified party from all liability in respect of or arising out of such claims or proceedings that are the subject matter of such proceeding, (y) imposes no liability or obligation on the indemnified party and (z) does not include any admission of fault, culpability, wrongdoing or malfeasance. The indemnification provided for under this Agreement shall remain in full force and effect regardless of any investigation made by or on behalf of the indemnified party, or any officer, director, employee, agent, affiliate, or controlling person of such indemnified party and shall survive the transfer of the Registrable Securities.

(d) Contribution. If for any reason the indemnification provided for in the preceding paragraphs (a) and (b) is unavailable to an indemnified party or insufficient to hold it harmless, other than as expressly specified therein, then the indemnifying party shall contribute to the amount paid or payable by the indemnified party as a result of such loss, claim, damage or liability in such proportion as is appropriate to reflect the relative fault of the indemnified party and the indemnifying party, as well as any other relevant equitable considerations. No Person guilty of fraudulent misrepresentation within the meaning of Section 11(f) of the Securities Act shall be entitled to contribution from any Person not guilty of such fraudulent misrepresentation. In no event shall the contribution obligation of a Holder be greater in amount than the dollar amount of the net proceeds received by it upon the sale of the Registrable Securities giving rise to such contribution obligation.

(e) Notwithstanding the foregoing sentence, in no event shall the aggregate liability of a Participating Holder under Section 2.5 be greater in amount than the dollar amount of the proceeds (net of all expenses paid by such Participating Holder in connection with any claim relating to this Section 2.5 and the amount of any damages such Participating Holder has otherwise been required to pay by reason of such untrue statement or omission) received by such Participating Holder upon the sale of the Registrable Securities included in the Registration Statement giving rise to such indemnification obligation.

3. Miscellaneous.

3.1 Governing Law; Jurisdiction. This Agreement shall be governed by, and construed in accordance with, the internal laws of the State of New York without regard to the choice of law principles thereof. Each of the parties hereto irrevocably submits to the exclusive jurisdiction of the state and federal courts located in the State of New York for the purpose of any suit, action, proceeding or judgment relating to or arising out of this Agreement and the transactions contemplated hereby. Service of process in connection with any such suit, action or proceeding may be served on each party hereto anywhere in the world by the same methods as are specified for the giving of notices under this Agreement. Each of the parties hereto irrevocably consents to the jurisdiction of any such court in any such suit, action or proceeding and to the laying of venue in such court. Each of the parties hereto irrevocably waives any objection to the laying of venue of any such suit, action or proceeding brought in such courts and irrevocably waives any claim that any such suit, action or proceeding brought in any such court has been brought in an inconvenient forum.

3.2 Assignments and Transfers by Purchasers. The provisions of this Agreement shall be binding upon and inure to the benefit of the Purchasers and their respective successors and assigns. A Holder may transfer or assign, in whole or from time to time in part, to one or more persons its rights hereunder in connection with the transfer of Registrable Securities by such Holder to such person, provided that such Holder complies with all laws applicable thereto, and the provisions of the Purchase Agreement, and provides written notice of assignment to the Company promptly after such assignment is effected, and such person agrees in writing to be bound by all of the provisions contained herein.

3.3 Assignments and Transfers by the Company. This Agreement may not be assigned by the Company (whether by operation of law or otherwise) without the prior written consent of the Required Holders, provided, however, that in the event that the Company is a party to a merger, consolidation, share exchange or similar business combination transaction in which the Common Stock is converted into the equity securities of another Person, from and after the effective time of such transaction, such Person shall, by virtue of such transaction, be deemed to have assumed the obligations of the Company hereunder, the term “Company” shall be deemed to refer to such Person and the term “Registrable Securities” shall be deemed to include the securities received by the Holders in connection with such transaction unless such securities are otherwise freely tradable by the Holders after giving effect to such transaction.

3.4 Entire Agreement; Amendment. This Agreement and the other Transaction Agreements constitute the full and entire understanding and agreement between the parties with regard to the subjects hereof and thereof. Any previous agreements among the parties relative to the specific subject matter hereof are superseded by this Agreement. This Agreement may be amended only by a writing signed by the Company and the Required Holders, provided that (i) this Agreement may not be amended with respect to any Purchaser without the written consent of such Purchaser unless such amendment applies to all Purchasers in the same fashion and (ii) the consent of each Purchaser is required for any amendment to Section 2.1, Section 2.5 or the definition of “Registrable Securities.” 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 shall have obtained the written consent to such amendment, action or omission to act of the Required Holders.

3.5 Notices. All notices and other communications provided for or permitted hereunder shall be made as set forth in Section 8.3 of the Purchase Agreement.

3.6 Third Parties. This Agreement does not create any rights, claims or benefits inuring to any person that is not a party hereto nor create or establish any third party beneficiary hereto; provided, that the indemnified parties are intended third party beneficiaries of Section 2.5.

3.7 Severability. If any term, provision, covenant or restriction of this Agreement is held by a court of competent jurisdiction to be invalid, illegal, void or unenforceable, the remainder of the terms, provisions, covenants and restrictions set forth herein shall remain in full force and effect and shall in no way be affected, impaired or invalidated, and the parties hereto shall use their commercially reasonable efforts to find and employ an alternative means to achieve the same or substantially the same result as that contemplated by such term, provision, covenant or restriction. It is hereby stipulated and declared to be the intention of the parties that they would have executed the remaining terms, provisions, covenants and restrictions without including any of such that may be hereafter declared invalid, illegal, void or unenforceable.

3.8Headings. 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.

3.9Counterparts. This Agreement may be executed in two or more counterparts, all of which when taken together shall be considered one and the same agreement and shall become effective when counterparts have been signed by each party and delivered to each other party, it being understood that the parties need not sign the same counterpart. In the event that any signature is delivered by 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 “.pdf” signature page were an original thereof.

3.10Delays or Omissions. It is agreed that no delay or omission to exercise any right, power or remedy accruing to any party upon any breach or default of any other party under this Agreement shall impair any such right, power or remedy, nor shall it be construed to be a waiver of any such breach or default, or any acquiescence therein, or of any similar breach or default thereafter occurring; nor shall any waiver of any single breach or default be deemed a waiver of any other breach or default theretofore or thereafter occurring. It is further agreed that any waiver, permit, consent or approval of any kind or character of any breach or default under this Agreement, or any waiver of any provisions or conditions of this Agreement must be in writing and shall be effective only to the extent specifically set forth in writing, and that all remedies, either under this Agreement, by law or otherwise, shall be cumulative and not alternative.

3.11Consents. Any permission, consent, or approval of any kind or character under this Agreement shall be in writing and shall be effective only to the extent specifically set forth in such writing.

3.12SPECIFIC PERFORMANCE. THE PARTIES HERETO AGREE THAT IRREPARABLE DAMAGE WOULD OCCUR IN THE EVENT THAT ANY OF THE PROVISIONS OF THIS AGREEMENT WERE NOT PERFORMED IN ACCORDANCE WITH ITS SPECIFIC INTENT OR WERE OTHERWISE BREACHED. IT IS ACCORDINGLY AGREED THAT THE PARTIES SHALL BE ENTITLED TO AN INJUNCTION OR INJUNCTIONS, WITHOUT BOND, TO PREVENT OR CURE BREACHES OF THE PROVISIONS OF THIS AGREEMENT AND TO ENFORCE SPECIFICALLY THE TERMS AND PROVISIONS HEREOF, THIS BEING IN ADDITION TO ANY OTHER REMEDY TO WHICH THEY MAY BE ENTITLED BY LAW OR EQUITY, AND ANY PARTY SUED FOR BREACH OF THIS AGREEMENT EXPRESSLY WAIVES ANY DEFENSE THAT A REMEDY IN DAMAGES WOULD BE ADEQUATE.

3.13Construction of Agreement. No provision of this Agreement shall be construed against either party as the drafter thereof.

3.14Section References. Unless otherwise stated, any reference contained herein to a Section or subsection refers to the provisions of this Agreement.

3.15Variations of Pronouns. All pronouns and all variations thereof shall be deemed to refer to the masculine, feminine, or neuter, singular or plural, as the context in which they are used may require.

[Remainder of Page Intentionally Left Blank; Signature Pages Follow]

IN WITNESS WHEREOF, the parties have executed this Agreement or caused their duly authorized officers to execute this Agreement as of the day and year first written above.

COMPANY:

LEXEO THERAPEUTICS, INC.

By: _____
Name: R. Nolan Townsend
Title: Chief Executive Officer

[Signature Page to Registration Rights Agreement]

IN WITNESS WHEREOF, the parties have executed this Agreement or caused their duly authorized officers to execute this Agreement as of the day and year first written above.

PURCHASER:

By: _____

Name: _____

Title: _____

[Signature Page to Registration Rights Agreement]

Annex A

PLAN OF DISTRIBUTION

The selling stockholders, which as used herein includes 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, distribute in kind for no consideration 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 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;
- broker-dealers may agree with the selling stockholders to sell a specified number of such shares at a stipulated price per share;
- through the distribution of the securities by any selling stockholder to its partners, members or stockholders;
- by pledge to secured debts and other obligations or any transfer upon the foreclosure under such pledges;
- directly to one or more purchasers;
- through delayed delivery requirements;
- 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)(3) or other applicable provision of the Securities Act of 1933, as amended (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 transferees, pledgees or other successors in interest will be the selling stockholders 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 option or other transactions with broker-dealers or other financial institutions or the creation of one or more derivative securities which require the delivery to 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 their 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. The Company will not receive any of the proceeds from this offering. Upon any exercise of the warrants by payment of cash, however, we will receive the exercise price of the warrants.

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, provided that they meet the criteria and conform to the requirements of that rule, or another available exemption from the registration requirements of the Securities Act.

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(a)(11) of the Securities Act (it being understood that the selling stockholders shall not be deemed to be underwriters solely as a result of their participation in this offering). 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(a)(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 Securities Exchange Act of 1934, as amended, 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 use commercially reasonable efforts to cause the registration statement of which this prospectus constitutes a part to become effective and to remain continuously 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 such registration statement or (2) the date that all the shares covered by this prospectus cease to be Registrable Securities.



Lexeo Therapeutics Announces \$80 Million Equity Financing to Further Advance Development of Transformative Genetic Medicines for Cardiovascular Diseases

Cash runway extended into 2028; capital proceeds to fund operations through potential 2027 efficacy readout for LX2006 in Friedreich ataxia cardiomyopathy

Financing led by Frazier Life Sciences and Janus Henderson Investors with participation from new and existing investors

NEW YORK – May 27, 2025 (GLOBE NEWSWIRE) – Lexeo Therapeutics, Inc. (Nasdaq: LXEO), a clinical stage genetic medicine company dedicated to pioneering novel treatments for cardiovascular diseases, today announced it has entered into a securities purchase agreement with a select group of institutional and healthcare accredited investors to issue and sell an aggregate of 20,790,120 shares (“Shares”) of its common stock (“Common Stock”) or, in lieu thereof, to certain investors, pre-funded warrants (“Pre-Funded Warrants”) to purchase 6,963,556 shares of Common Stock, in a private placement. Each full Share (or Pre-Funded Warrant in lieu thereof) will be accompanied by a warrant (a “Common Warrant”) to purchase one-half of a share of Common Stock. The purchase price for each Share and accompanying Common Warrant will be \$2.8825 (or \$2.8824 for each Pre-Funded Warrant and accompanying Common Warrant). Lexeo anticipates the gross proceeds from the private placement to be approximately \$80 million, before deducting any offering related expenses. The private placement is expected to close on May 28, 2025, subject to customary closing conditions. The Pre-Funded Warrants will have an exercise price of \$0.0001 per share until exercised in full, and the Common Warrants will have an exercise price of \$2.82 per share and expire on May 28, 2029.

The private placement was co-led by Frazier Life Sciences and Janus Henderson Investors with participation by new and existing investors, including Adar1 Capital Management, Affinity Healthcare Fund, LP, Ally Bridge Group, Coastlands Capital, Surveyor Capital (a Citadel company), Vestal Point Capital, and Woodline Partners LP.

“This financing will enable Lexeo to build on its leadership in cardiac genetic medicines as we continue to advance our clinical stage pipeline,” said R. Nolan Townsend, Chief Executive Officer of Lexeo Therapeutics. “With the support of an exceptional group of new and existing long-term investors, we believe we remain well positioned to accelerate development of our programs and drive innovation with next-generation therapies that could redefine the treatment paradigm for devastating cardiovascular conditions.”

J.P. Morgan and Oppenheimer & Co. acted as co-lead placement agents for the transaction. Baird also acted as placement agent.

Lexeo intends to use net proceeds from the private placement to fund advancement of ongoing clinical stage programs, and for working capital and general corporate purposes. The proceeds from this private placement, combined with current cash, cash equivalents and marketable securities are expected to fund Lexeo’s operating and capital expenditures into 2028.

The securities to be sold in this private placement have not been registered under the Securities Act of 1933, as amended (the “Securities Act”), or any state or other applicable jurisdiction’s securities laws and may not be offered or sold in the United States absent registration or an applicable exemption from the registration requirements of the Securities Act and applicable state or other jurisdictions’ securities laws. Concurrently

with the execution of the securities purchase agreement, Lexeo and the investors entered into a registration rights agreement pursuant to which the company has agreed to file a registration statement with the U.S. Securities and Exchange Commission (the “SEC”) registering the resale of the Shares and Common Stock underlying the Pre-Funded Warrants and Common Warrants (together, the “Warrant Shares”) sold in the private placement. Any offering of the Shares and Warrant Shares under the resale registration statement will only be made by means of a prospectus.

This press release shall not constitute an offer to sell or a solicitation of an offer to buy the Company’s securities, nor shall there be any offer, solicitation, or sale of the Company’s securities in any jurisdiction in which such offer, solicitation or sale would be unlawful.

The private placement is being conducted in accordance with applicable Nasdaq rules and was priced to satisfy the “Minimum Price” requirement (as defined in the Nasdaq rules).

About Lexeo Therapeutics

Lexeo Therapeutics is a New York City-based, clinical stage genetic medicine company dedicated to reshaping heart health by applying pioneering science to fundamentally change how cardiovascular diseases are treated. The Company is advancing a portfolio of therapeutic candidates that take aim at the underlying genetic causes of conditions, including LX2006 for the treatment of Friedreich ataxia (FA) cardiomyopathy, LX2020 for the treatment of plakophilin-2 (PKP2) arrhythmogenic cardiomyopathy, and others for devastating diseases with high unmet need.

Cautionary Note Regarding Forward-Looking Statements

Certain statements in this press release may constitute “forward-looking statements” within the meaning of the federal securities laws, including, but not limited to, statements regarding the expected closing of the private placement, anticipated receipt, impact and use of proceeds from the private placement, whether the conditions for the closing of the private placement will be satisfied, the filing of a registration statement or final prospectus, as applicable, to register the resale of the Shares and Warrant Shares to be issued and sold in the private placement, the anticipated cash runway following closing of the private placement, and other information that is not historical information. Words such as “may,” “might,” “will,” “objective,” “intend,” “should,” “could,” “can,” “would,” “expect,” “believe,” “design,” “estimate,” “predict,” “potential,” “develop,” “plan” or the negative of these terms, and similar expressions, or statements regarding intent, belief, or current expectations, are forward-looking statements. While Lexeo believes these forward-looking statements are reasonable, undue reliance should not be placed on any such forward-looking statements. These forward-looking statements are based upon current information available to the company as well as certain estimates and assumptions and are subject to various risks and uncertainties (including, without limitation, those set forth in Lexeo’s filings with the SEC), many of which are beyond the company’s control and subject to change. Actual results could be materially different from those indicated by such forward-looking statements as a result of many factors, including but not limited to: risks and uncertainties related to global macroeconomic conditions and related volatility; expectations regarding the initiation, progress, and expected results of Lexeo’s preclinical studies, clinical trials and research and development programs; the unpredictable relationship between preclinical study results and clinical study results; delays in submission of regulatory filings or failure to receive regulatory approval; liquidity and capital resources; and other risks and uncertainties identified in Lexeo’s Annual Report on Form 10-K for the annual period ended December 31, 2024, filed with the SEC on March 24, 2025, Quarterly Report on Form 10-Q for the quarterly period ended March 31, 2025, filed with the SEC on May 12, 2025, as amended, and subsequent future filings Lexeo may make with the SEC. New risks and uncertainties may emerge from time to time, and it is not possible to predict all risks and uncertainties. Lexeo claims the protection of the safe harbor contained in the Private Securities Litigation Reform Act of 1995 for forward-looking statements. Lexeo expressly disclaims any obligation to update or alter any statements whether as a result of new information, future events or otherwise, except as required by law.

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