

**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 2, 2024**

**SOLENO THERAPEUTICS, INC.**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction  
of incorporation)

**001-36593**  
(Commission  
File No.)

**77-0523891**  
(IRS Employer  
Identification Number)

**203 Redwood Shores Pkwy, Suite 500**  
**Redwood City, CA 94065**  
(Address of principal executive offices)

**(650) 213-8444**  
(Registrant's telephone number, including area code)

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 symbols	Name of each exchange on which registered
Common Stock, \$0.001 par value	SLNO	NASDAQ

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.**

### *Public Offering of Common Stock*

On May 2, 2024, Soleno Therapeutics, Inc. (the “**Company**”) entered into an underwriting agreement (the “**Underwriting Agreement**”) with Piper Sandler & Co. and Guggenheim Securities, LLC, as representatives of the several underwriters named in Schedule I thereto (the “**Underwriters**”) relating to the public offering (the “**Public Offering**”) of 3,000,000 shares of the Company’s common stock, \$0.001 par value per share (the “**Common Stock**”), at a price to the public of \$46.00 per share. Under the terms of the Underwriting Agreement, the Company also granted the Underwriters a 30-day option to purchase up to an additional 450,000 shares of Common Stock. The net proceeds to the Company from the Public Offering, after deducting the underwriting discounts and commissions and estimated offering expenses payable by the Company, are expected to be approximately \$129.3 million.

The shares of Common Stock in the Public Offering are being offered and sold pursuant to the Company’s shelf registration statement on Form S-3ASR (File No. 333-276344) (the “**Registration Statement**”), which was automatically declared effective by the Securities and Exchange Commission (the “**SEC**”) on January 2, 2024, as supplemented by a preliminary prospectus supplement, dated May 2, 2024, filed with the SEC on May 2, 2024, and a final prospectus supplement, dated May 2, 2024, filed with the SEC on May 6, 2024 pursuant to Rule 424(b) under the Securities Act of 1933, as amended (the “**Securities Act**”).

The Underwriting Agreement contains customary representations, warranties and agreements by the Company. Under the terms of the Underwriting Agreement, the Company has agreed to indemnify the Underwriters against certain liabilities.

The Underwriting Agreement has been filed with this report to provide information regarding its terms. It is not intended to provide any other factual information about the Company. The representations, warranties and covenants contained in the Underwriting Agreement were made only for purposes of such agreement and as of specific dates, were solely for the benefit of the parties to such agreement.

The foregoing is only a brief description of the material terms of the Underwriting Agreement, does not purport to be a complete description of the rights and obligations of the parties thereunder, and is qualified in its entirety by reference to the Underwriting Agreement that is filed as Exhibit 1.1 to this Current Report on Form 8-K and incorporated herein by reference.

## **Item 8.01 Other Events.**

On May 2, 2024, the Company issued a press release announcing pricing of the Public Offering. A copy of the press release is attached as Exhibit 99.1 to this Current Report on Form 8-K and incorporated herein by reference.

In connection with the Public Offering, the legal opinion as to the legality of the Common Stock sold in the Public Offering is being filed as Exhibit 5.1 to this Current Report on Form 8-K and is incorporated herein and into the Registration Statement by reference.

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**ITEM 9.01 Financial Statements and Exhibits****(d) Exhibits**

<b>Exhibit No.</b>	<b>Description</b>
1.1	<a href="#"><u>Underwriting Agreement, dated as of May 2, 2024, by and among Soleno Therapeutics, Inc., Piper Sandler &amp; Co. and Guggenheim Securities, LLC, as representatives of the underwriters named therein.</u></a>
5.1	<a href="#"><u>Opinion of Wilson Sonsini Goodrich &amp; Rosati, P.C.</u></a>
23.1	<a href="#"><u>Consent of Wilson Sonsini Goodrich &amp; Rosati, P.C. (included in Exhibit 5.1 hereto)</u></a>
99.1	<a href="#"><u>Press release issued by Soleno Therapeutics, Inc. dated May 2, 2024.</u></a>
104	Cover Page Interactive Data File (formatted as inline XBRL and contained in Exhibit 101).

**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.

**SOLENO THERAPEUTICS, INC.**

Date: May 7, 2024

By: /s/ Anish Bhatnagar  
Anish Bhatnagar  
Chief Executive Officer

SOLENO THERAPEUTICS, INC.  
3,000,000 Shares of Common Stock  
UNDERWRITING AGREEMENT

May 2, 2024

PIPER SANDLER & CO.  
GUGGENHEIM SECURITIES, LLC

As Representatives of the  
several Underwriters named in  
Schedule I attached hereto

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

c/o Guggenheim Securities, LLC  
330 Madison Avenue  
New York, New York 10017

Ladies and Gentlemen:

Soleno Therapeutics, Inc., a corporation organized and existing under the laws of the State of Delaware (the “**Company**”), proposes, subject to the terms and conditions stated herein, to issue and sell to the several underwriters named in Schedule I hereto (the “**Underwriters**”) an aggregate of 3,000,000 shares (the “**Firm Shares**”) of its common stock, par value \$0.001 per share (the “**Common Stock**”). The Company also proposes to issue and sell to the several Underwriters up to an additional 450,000 shares (the “**Additional Shares**”) of Common Stock at the option of the Underwriters as provided in Section 2(c) below. The Firm Shares and any Additional Shares purchased by the Underwriters are referred to herein as the “**Shares**.” Piper Sandler & Co. (“**Piper Sandler**”) and Guggenheim Securities, LLC (“**Guggenheim Securities**”) are acting as representatives (the “**Representatives**”) of the several Underwriters in connection with the offering and sale of the Shares contemplated herein (the “**Offering**”).

As used in this underwriting agreement (the “**Agreement**”), the following defined terms shall apply:

The “**Registration Statement**” means the registration statement on Form S-3 (File No. 333-276344), including the exhibits, schedules and financial statements and any prospectus supplement relating to the Offering that is filed with the Securities and Exchange Commission (the “**Commission**”) pursuant to Rule 424(b) under the Securities Act of 1933, as amended, and the rules and regulations promulgated thereunder (the “**Securities Act**”) and deemed part of such registration statement pursuant to Rule 430B under the Securities Act, as amended on each Effective Date (as defined below), and, in the event any post-effective amendment thereto becomes effective prior to the Closing Date (as defined in Section 2(b) hereof), shall also mean such registration statement as so amended. Such Registration Statement is an “automatic shelf registration statement” as defined in Rule 405 under the Securities Act and became effective upon filing in accordance with Rule 462(e) under the Securities Act

The “**Effective Date**” means, with respect to the Registration Statement, each date and time that such Registration Statement, and any post-effective amendment or amendments thereto became or becomes effective.

The “**Base Prospectus**” means the base prospectus contained in the Registration Statement at the date and time that this Agreement is executed and delivered by the parties hereto.

The “**Preliminary Prospectus**” means any preliminary prospectus supplement to the Base Prospectus which is used prior to the filing of the Prospectus (as defined below), together with the Base Prospectus.

The “**Prospectus**” means the final prospectus supplement relating to the Offering that is first filed pursuant to Rule 424(b) under the Securities Act, together with the Base Prospectus.

The “**Pricing Disclosure Package**” shall mean (i) the Base Prospectus, (ii) the Preliminary Prospectus used most recently prior to the Applicable Time (as defined below), (iii) any issuer free writing prospectus, as defined in Rule 433 under the Securities Act (an “**Issuer Free Writing Prospectus**”), identified in Schedule II hereto, (iv) the information included on Schedule III hereto, and (v) any other free writing prospectus, as defined in Rule 405 under the Securities Act (a “**Free Writing Prospectus**”), that the parties hereto shall hereafter expressly agree in writing to treat as part of the Pricing Disclosure Package.

As used herein, “**Applicable Time**” is 7:00 p.m. (New York City time) on May 2, 2024.

As used herein, “**Road Show**” means a “road show” (as defined in Rule 433 under the Securities Act) relating to the offering of the Shares contemplated hereby that is a “written communication” (as defined in Rule 405 under the Securities Act).

All references in this Agreement to the Registration Statement, any Preliminary Prospectus, the Base Prospectus and the Prospectus shall include the documents incorporated or deemed to be incorporated by reference therein. All references in this Agreement to financial statements and schedules and other information that are “**contained in**,” “**included in**,” “**filed with**,” “**stated in**” or “**part of**” the Registration Statement, any Preliminary Prospectus, the Pricing Disclosure Package or the Prospectus, and all other references of like import, shall be deemed to mean and include all such financial statements and schedules and other information that is or is deemed to be incorporated by reference in the Registration Statement, any Preliminary Prospectus, the Base Prospectus, the Pricing Disclosure Package or the Prospectus, as the case may be.

All references in this Agreement to amendments or supplements to the Registration Statement, any Preliminary Prospectus, the Pricing Disclosure Package or the Prospectus shall be deemed to mean and include the filing of any document under the Securities Exchange Act of 1934, as amended, and the rules and regulations promulgated thereunder (collectively, the “**Exchange Act**”) that is or is deemed to be incorporated by reference in the Registration Statement, any Preliminary Prospectus, the Pricing Disclosure Package, or the Prospectus, as the case may be. All references in this Agreement to the Registration Statement, any Preliminary Prospectus, the Base Prospectus or the Prospectus, any amendments or supplements to any of the foregoing, or any free writing prospectus, shall include any copy thereof filed with the Commission pursuant to its Electronic Data Gathering, Analysis and Retrieval System (“**EDGAR**”).

1. **Representations and Warranties of the Company.** The Company represents and warrants to, and agrees with, each of the Underwriters as of the date hereof, the Applicable Time, the Closing Date (as hereinafter defined) and any Additional Closing Date (as hereinafter defined) that:

(a) The Registration Statement initially became effective under the Securities Act upon filing. (A) At the time of filing the Registration Statement, (B) at the time of the most recent amendment thereto for the purposes of complying with Section 10(a)(3) of the Securities Act (whether such amendment was by post-effective amendment, incorporated report filed pursuant to Section 13 or 15(d) of the Exchange Act or form of prospectus), and (C) at the time the Company or any person acting on its behalf (within the meaning, for this clause only, of Rule 163(c) under the Securities Act) made any offer relating to the Shares in reliance on the exemption of Rule 163 under the Securities Act, the Company was a “well-known seasoned issuer” as defined in Rule 405 under the Securities Act, including not having been an “ineligible issuer” as defined in Rule 405. The Registration Statement is an “automatic shelf registration statement,” as defined in Rule 405. The Company has not received from the Commission any notice pursuant to Rule 401(g)(2) under the Securities Act objecting to use of the automatic shelf registration statement form. The Company has complied, to the Commission’s satisfaction, with all requests of the Commission for additional or supplemental information, if any. No stop order suspending the effectiveness of either Registration Statement is in effect and no proceedings for such purpose have been instituted or are pending or, to the Company’s knowledge, are contemplated or threatened by the Commission. The documents incorporated or deemed to be incorporated by reference in the Registration Statement, the Pricing Disclosure Package and the Prospectus, at the time they were or hereafter are filed with the Commission, or became effective under the Exchange Act, as the case may be, complied and will comply in all material respects with the requirements of the Exchange Act.

(b) Each of the Registration Statement and any post-effective amendment thereto, as of the applicable Effective Date, complied and, until such time as the Underwriters are no longer required to deliver a Prospectus in order to confirm sales of the Shares, will comply in all material respects with the Securities Act and the rules and regulations of the Commission thereunder (the “**Rules and Regulations**”). The Preliminary Prospectus and the Prospectus, at the time each was filed with the Commission, complied in all material respects with the requirements of the Securities Act and the Rules and Regulations. Each Preliminary Prospectus delivered to the Underwriters for use in connection with this Offering and the Prospectus was or will be identical to the electronically transmitted copies thereof filed with the Commission pursuant to EDGAR, except to the extent permitted by Regulation S-T.

(c) The Registration Statement, when it became effective, did not contain and, as amended or supplemented, if applicable, will not contain, as of the date of such amendment or supplement, an untrue statement of a material fact or omitted or will omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading; provided, however, that this representation and warranty shall not apply to any information contained in or omitted from the Registration Statement or any amendment thereto in reliance upon and in conformity with information furnished in writing to the Company by or on behalf of any Underwriter through the Representatives specifically for use therein. The parties hereto agree that such information provided by or on behalf of any Underwriter through the Representatives consists solely of the material referred to in Section 19 hereof. Each “forward-looking statement” (within the meaning of Section 27A of the Securities Act or Section 21E of the Exchange Act) contained or incorporated by reference in the Registration Statement, the Preliminary Prospectus or the Prospectus has been made or reaffirmed with a reasonable basis and has been disclosed in good faith.

(d) The Pricing Disclosure Package, as of the Applicable Time, did not contain an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading. The Prospectus will not, as of its date, as of the Closing Date or as of any Additional Closing Date, contain an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading. Each Issuer Free Writing Prospectus complies in all material respects with the applicable provisions of the Securities Act and the Rules and Regulations and does not contain an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances in which they were made, not misleading. No representation and warranty is made in this Section 1(d) with respect to any information contained in or omitted from the Pricing Disclosure Package or the Prospectus in reliance upon and in conformity with information furnished in writing to the Company by or on behalf of any Underwriter through the Representatives specifically for use therein. The parties hereto agree that such information provided by or on behalf of any Underwriter through the Representatives consists solely of the material referred to in Section 19 hereof.

(e) At the earliest time (i) after the filing of the Registration Statement that the Company or another offering participant made a bona fide offer (within the meaning of Rule 164(h)(2) of the Rules) of the Shares and (ii) at the date hereof, the Company was not and is not an “ineligible issuer,” as defined in Rule 405 of the Rules, including (but not limited to) the Company or any subsidiary in the preceding three years not having been convicted of a felony or misdemeanor or having been made the subject of a judicial or administrative decree or order as described in Rule 405 of the Rules.

(f) Each Issuer Free Writing Prospectus conformed or will conform in all material respects to the requirements of the Securities Act and the Rules and Regulations on the date of first use, and the Company has complied with the requirements of Rule 433 under the Securities Act with respect to each Issuer Free Writing Prospectus including, without limitation, all prospectus delivery, filing, record retention and legending requirements applicable to any such Issuer Free Writing Prospectus. The Company has not (i) distributed any offering material in connection with the Offering other than any Preliminary Prospectus, the Prospectus, and any Issuer Free Writing Prospectus set forth on Schedule II hereto, or (ii) filed, referred to, approved, used or authorized the use of any “free writing prospectus” as defined in Rule 405 under the Securities Act with respect to the Offering or the Shares, except for any Issuer Free Writing Prospectus set forth in Schedule II hereto and any electronic Road Show previously approved by the Representatives. The Company has retained in accordance with the Securities Act and the Rules and Regulations all Issuer Free Writing Prospectuses that were not required to be filed pursuant to the Securities Act and the Rules and Regulations.

(g) Marcum LLP, which has expressed its opinion with respect to the financial statements (which term as used in this Agreement includes the related notes thereto) filed with the Commission as a part of the Registration Statement, the Pricing Disclosure Package or the Prospectus, is (i) an independent registered public accounting firm as required by the Securities Act, the Exchange Act, and the rules of the Public Company Accounting Oversight Board (“**PCAOB**”), (ii) in compliance with the applicable requirements relating to the qualification of accountants under Rule 2-01 of Regulation S-X under the Securities Act and (iii) a registered public accounting firm as defined by the PCAOB whose registration has not been suspended or revoked and who has not requested such registration to be withdrawn.

(h) Subsequent to the respective dates as of which information is given in the Registration Statement, the Pricing Disclosure Package or the Prospectus, except as disclosed therein, (i) the Company has not declared or paid any dividends, or made any other distribution of any kind, on or in respect of its capital stock, (ii) there has not been any material change in the capital stock or long-term or short-term debt of the Company or its subsidiaries listed in Exhibit A hereto (the “**Subsidiaries**”), (iii) there have been no transactions entered into by the Company or the Subsidiaries, other than in the ordinary course of business, which are material with respect to the Company and the Subsidiaries, taken as a whole, (iv) neither the Company nor any Subsidiary has sustained any material loss or interference with its business or properties from fire, explosion, flood, earthquake, hurricane, accident or other calamity, whether or not covered by insurance, or from any labor dispute or any legal or governmental proceeding, and (v) there has not been any material adverse change, in or affecting the business, management, condition (financial or otherwise), results of operations, stockholders’ equity, properties or prospects of the Company and the Subsidiaries, taken as a whole (a “**Material Adverse Change**”). Since the date of the latest balance sheet included, or incorporated by reference, in the Registration Statement, the Pricing Disclosure Package or the Prospectus, neither the Company nor any Subsidiary has incurred or undertaken any liabilities or obligations, whether direct or indirect, liquidated or contingent, matured or unmatured, or entered into any transactions, including any acquisition or disposition of any business or asset, which are material to the Company and the Subsidiaries, taken as a whole, except for liabilities, obligations and transactions which are disclosed in the Registration Statement, the Pricing Disclosure Package and the Prospectus.

(i) The Company has an authorized capitalization as set forth in the Pricing Disclosure Package and the Prospectus, and all of the issued and outstanding shares of capital stock of the Company are fully paid and non-assessable and have been duly authorized and validly issued, in compliance with all applicable state, federal and foreign securities laws and not in violation of or subject to any preemptive or similar right that entitles any person to acquire from the Company or the Subsidiaries any Common Stock or other security of the Company or any security convertible into, or exercisable or exchangeable for, Common Stock or any other such security of the Company (any “**Relevant Security**”), except for such rights as may have been fully satisfied or waived prior to the effectiveness of the Registration Statement. All of the issued shares of capital stock of or other ownership interests in the Subsidiaries owned, directly or indirectly, by the Company have been duly authorized and validly issued and are fully paid and non-assessable and are owned directly or indirectly by the Company free and clear of any lien, charge, mortgage, pledge, security interest, claim, equity, trust or other encumbrance, preferential arrangement, defect or restriction of any kind whatsoever (any “**Lien**”).

(j) The Shares to be delivered on the Closing Date and any Additional Closing Date, if any, have been duly authorized and, when issued and delivered in accordance with this Agreement, will be validly issued, fully paid and non-assessable, will have been issued in compliance with all applicable state, federal and foreign securities laws and will not have been issued in violation of or subject to any preemptive or similar right that entitles any person to acquire any Relevant Security from the Company. The Common Stock and the Shares conform to the descriptions thereof contained in the Registration Statement, the Pricing Disclosure Package and the Prospectus. Except as disclosed in the Registration Statement, the Pricing Disclosure Package and the Prospectus, the Company has no outstanding warrants, options to purchase, or any preemptive rights or other rights to subscribe for or to purchase, or any contracts or commitments to issue or sell, any Relevant Security. No holder of any Relevant Security has any rights to require registration under the Securities Act of any Relevant Security in connection with the offer and sale of the Shares contemplated hereby, except for any such rights that have either been fully complied with by the Company or effectively waived by the holders thereof. The description of the Company’s stock option, stock bonus and other stock plans or arrangements (the “**Company Stock Plans**”), and the options (the “**Options**”) or other rights granted thereunder, set forth in the Pricing Disclosure Package and the Prospectus accurately and fairly presents the information required to be shown with respect to such plans, arrangements, options and rights. Each grant of an Option (i) was duly



authorized no later than the date on which the grant of such Option was by its terms to be effective by all necessary corporate action, including, as applicable, approval by the board of directors of the Company (or a duly constituted and authorized committee thereof) and any required stockholder approval by the necessary number of votes or written consents, and the award agreement governing such grant (if any) was duly executed and delivered by each party thereto and (ii) was made in accordance with the terms of the applicable Company Stock Plan, and in material compliance with all applicable laws and regulatory rules or requirements, including all applicable federal securities laws.

(k) The Company and each Subsidiary has been duly organized and validly exists as a corporation, partnership or limited liability company (as the case may be) in good standing under the laws of its jurisdiction of organization and has corporate, partnership or limited liability company power and authority (as the case may be) to own or lease its property and conduct its business as described in the Registration Statement, the Pricing Disclosure Package and the Prospectus. The Company and each Subsidiary is qualified to do business and is in good standing as a foreign corporation, partnership or limited liability company (as the case may be) in each jurisdiction in which the character or location of its properties (owned, leased or licensed) or the nature or conduct of its business makes such qualification necessary, except for those failures to be so qualified or in good standing which (individually and in the aggregate) could not reasonably be expected to have a material adverse effect on (i) the business, management, condition (financial or otherwise), results of operations, stockholders' equity, properties or prospects of the Company and the Subsidiaries, taken as a whole; or (ii) the ability of the Company to consummate the Offering or any other transaction contemplated by this Agreement or the Registration Statement, the Pricing Disclosure Package and the Prospectus (a "**Material Adverse Effect**"). The certificate or articles of incorporation, by-laws, partnership agreement, limited liability company agreement or other constitutive and organizational documents (as the case may be) of the Company and the Subsidiaries comply with the requirements of applicable law and are in full force and effect. The Subsidiaries are the only "subsidiaries" of the Company (within the meaning of Rule 405 under the Securities Act.)

(l) Neither the Company nor any Subsidiary (i) is in violation of its certificate or articles of incorporation, by-laws, certificate of formation, limited liability company agreement, partnership agreement or other organizational documents, (ii) is in default under, and no event has occurred which, with notice or lapse of time or both, would constitute a default under or result in the creation or imposition of any Lien upon any property or assets of the Company or the Subsidiaries pursuant to, any indenture, mortgage, deed of trust, note, lease, loan agreement or other agreement or instrument to which it is a party or by which it is bound or to which any of its property or assets is subject, or (iii) is in violation of any statute, law, rule, regulation, ordinance, directive, judgment, writ, decree or order of any court or judicial, regulatory or other legal or governmental agency or body, foreign or domestic, having jurisdiction over the Company or the Subsidiaries except (in the case clauses (ii) and (iii) above) for violations or defaults that could not (individually or in the aggregate) reasonably be expected to have a Material Adverse Effect.

(m) The Company and the Subsidiaries have all requisite power and authority, and all necessary consents, approvals, authorizations, orders, registrations, qualifications, licenses, filings and permits of, with and from all judicial, regulatory and other legal or governmental agencies and bodies and all third parties, foreign and domestic (collectively, the "**Consents**"), to own, lease and operate its properties and conduct its business as it is now being conducted and as disclosed in the Registration Statement, the Pricing Disclosure Package and the Prospectus, and each such Consent is valid and in full force and effect, except in each case as could not reasonably be expected to have a Material Adverse Effect. Neither the Company nor any Subsidiary has received notice of any investigation or proceedings which, if decided adversely to the Company or the Subsidiaries, could reasonably be expected to result in the revocation of, or imposition of a materially burdensome restriction on, any such Consent.

(n) This Agreement has been duly and validly authorized, executed and delivered by the Company.

(o) The issue and sale of the Shares (including the use of proceeds from the sale of the Shares as described in the Registration Statement, the Pricing Disclosure Package and the Prospectus), the compliance by the Company with this Agreement and the consummation of the transactions contemplated hereby and by the Registration Statement, the Pricing Disclosure Package and the Prospectus do not and will not (i) conflict with or result in a breach or violation of any of the terms and provisions of, or constitute a default (or an event which with notice or lapse of time, or both, would constitute a default) under, or result in the creation or imposition of any Lien upon any property or assets of the Company or the Subsidiaries pursuant to, any indenture, mortgage, deed of trust, note, lease, loan agreement or other agreement, instrument, franchise, license or permit to which the Company or any Subsidiary is a

party or by which the Company or the Subsidiaries or their respective properties, operations or assets may be bound, (ii) violate or conflict with any provision of the certificate or articles of incorporation, by-laws, certificate of formation, limited liability company agreement, partnership agreement or other organizational documents (as the case may be) of the Company or the Subsidiaries, or (iii) violate or conflict with any statute, law, rule, regulation, ordinance, directive, judgment, writ, decree or order of any court or judicial, regulatory, administrative or other legal or governmental agency or body (including, without limitation, the U.S. Food and Drug Administration (the “FDA”), domestic or foreign, having jurisdiction over the Company or the Subsidiaries, except (in the case of clauses (i) and (iii) above) as could not reasonably be expected to have a Material Adverse Effect.

(p) No Consent is required for the execution, delivery and performance by the Company of this Agreement, the issue and sale of the Shares (including the use of proceeds from the sale of the Shares as described in the Registration Statement, the Pricing Disclosure Package and the Prospectus) and the consummation by the Company of the transactions contemplated hereby and by the Registration Statement, the Pricing Disclosure Package and the Prospectus, except the registration under the Securities Act of the Shares, such Consents as may be required by the Nasdaq Stock Market LLC (“Nasdaq”) in regards to the listing of the Shares and under applicable state securities or blue sky laws and such other Consents as have been obtained.

(q) There is no judicial, regulatory, arbitral or other legal or governmental proceeding or other litigation or arbitration, domestic or foreign, pending to which the Company or any Subsidiary is a party or of which any property, operations or assets of the Company or the Subsidiaries is the subject which, individually or in the aggregate, if determined adversely to the Company or any Subsidiary, could reasonably be expected to have a Material Adverse Effect on the consummation of the transactions contemplated in this Agreement or the performance by the Company of its obligations hereunder; to the Company’s knowledge, no such proceeding, litigation or arbitration is threatened or contemplated; and the defense of all such proceedings, litigation and arbitration against or involving the Company or any Subsidiary could not reasonably be expected to have a Material Adverse Effect.

(r) The financial statements, including the notes thereto, and the supporting schedules included or incorporated by reference in the Registration Statement, the Pricing Disclosure Package and the Prospectus present fairly in all material respects the consolidated financial position as of the dates indicated and the cash flows and results of operations for the periods specified of the Company and the Subsidiaries; said financial statements have been prepared in conformity with United States generally accepted accounting principles (“GAAP”) applied on a consistent basis throughout the periods involved; and the supporting schedules, if any, included in the Registration Statement, the Pricing Disclosure Package and the Prospectus present fairly in all material respects in accordance with GAAP the information required to be stated therein. No other historical or pro forma financial statements or supporting schedules are required to be included in the Registration Statement, the Pricing Disclosure Package or the Prospectus by the Securities Act, the Exchange Act or the Rules and Regulations. The other financial and statistical information included or incorporated by reference in the Registration Statement, the Pricing Disclosure Package and the Prospectus present fairly in all material respects the information included therein and have been prepared on a basis consistent with that of the financial statements that are included or incorporated by reference in the Registration Statement, the Pricing Disclosure Package and the Prospectus and the books and records of the respective entities presented therein. All disclosures contained in the Registration Statement, the Pricing Disclosure Package and the Prospectus, or incorporated by reference therein, regarding “non-GAAP financial measures” (as such term is defined by the rules and regulations of the Commission) comply with Regulation G of the Exchange Act and Item 10 of Regulation S-K of the Securities Act, to the extent applicable. The interactive data in eXtensible Business Reporting Language included or incorporated by reference in the Registration Statement, the Pricing Disclosure Package and the Prospectus fairly presents the information called for in all material respects and has been prepared in accordance with the Commission’s rules and guidelines applicable thereto.

(s) There are no contracts or documents which are required to be described in the Registration Statement, the Pricing Disclosure Package or the Prospectus or to be filed as exhibits to the Registration Statement which have not been so described and filed as required.

(t) The Company and the Subsidiaries maintain a system of internal accounting and other controls sufficient to provide reasonable assurances 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 accountability for assets, (iii) access to assets is permitted only in accordance

with management's general or specific authorization, (iv) the recorded accounting for assets is compared with existing assets at reasonable intervals and appropriate action is taken with respect to any differences and (v) the interactive data in eXtensible Business Reporting Language included or incorporated by reference in the Registration Statement, the Pricing Disclosure Package and the Prospectus fairly presents the information called for in all material respects and has been prepared in accordance with the Commission's rules and guidelines applicable thereto.

(u) The Company maintains a system of internal control over financial reporting (as such term is defined in Rule 13a-15(f) under the Exchange Act) that complies with the requirements of the Exchange Act and has been designed by the Company's principal executive officer and principal financial officer, or under their supervision, 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's internal control over financial reporting is effective and the Company is not aware of any material weaknesses in its internal control over financial reporting. Since the date of the latest audited financial statements included or incorporated by reference in the Pricing Disclosure Package, there has been no change in the Company's internal control over financial reporting that has materially affected, or is reasonably likely to materially affect, the Company's internal control over financial reporting.

(v) The Company maintains disclosure controls and procedures (as such term is defined in Rule 13a-15(e) under the Exchange Act) that comply with the requirements of the Exchange Act; such disclosure controls and procedures have been designed to ensure that material information relating to the Company and the Subsidiaries is made known to the Company's principal executive officer and principal financial officer by others within those entities; and such disclosure controls and procedures are effective.

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

(x) The shares of Common Stock are registered pursuant to Section 12(b) or 12(g) of the Exchange Act and have been approved for listing on the Nasdaq Capital Market, subject to completion of the issuance of the Shares pursuant to this Agreement, and the Company has taken no action designed to, or likely to have the effect of, terminating the registration of the Shares under the Exchange Act or delisting the Shares from the Nasdaq Capital Market, nor has the Company received any notification that the Commission or Nasdaq is contemplating terminating such registration or listing. To the Company's knowledge, it is in compliance with all applicable listing requirements of Nasdaq.

(y) To the Company's knowledge, no relationship, direct or indirect, exists between or among any of the Company or any affiliate of the Company, on the one hand, and any director, officer, shareholder, customer or supplier of the Company or any affiliate of the Company, on the other hand, which is required by the Securities Act or the Exchange Act to be described in the Registration Statement or the Prospectus that is not so described as required. There are no outstanding loans, advances (except normal advances for business expenses in the ordinary course of business) or guarantees or indebtedness by the Company to or for the benefit of any of the officers or directors of the Company or any of their respective family members. The Company has not, in violation of the Sarbanes-Oxley Act, directly or indirectly, including through any affiliate of the Company, extended or maintained credit, arranged for the extension of credit, or renewed an extension of credit, in the form of a personal loan to or for any director or executive officer of the Company.

(z) Neither the Company nor any of its affiliates (within the meaning of Rule 144 under the Securities Act) has taken, directly or indirectly, any action which constitutes or is designed to cause or result in, or which could reasonably be expected to constitute, cause or result in, the stabilization or manipulation of the price of any security to facilitate the sale or resale of the Shares or to result in a violation of Regulation M under the Exchange Act.

(aa) Neither the Company nor any of its affiliates (within the meaning of Rule 144 under the Securities Act) has, prior to the date hereof, made any offer or sale of any securities which could be "integrated" (within the meaning of the Securities Act and the Rules and Regulations) with the offer and sale of the Shares pursuant to the Registration Statement.

(bb) All of the information provided to the Underwriters or to counsel for the Underwriters by the Company and, to the Company's knowledge, its officers, directors and the holders of any securities (debt or equity) or options to acquire any securities of the Company in connection with the offering of the Shares is true, complete and correct in all material respects and compliant with Financial Industry Regulatory Authority, Inc.'s ("FINRA") rules and, to the Company's knowledge, any letters, filings or other supplemental information provided to FINRA pursuant to FINRA Rules or NASD Conduct Rules is true, complete and correct in all material respects.

(cc) The statements set forth in the Pricing Disclosure Package and Prospectus under the caption "Description of Capital Stock", insofar as it purports to constitute a summary of the terms of the Common Stock, and under the captions "Risk Factors" and "Underwriting", insofar as they purport to describe the provisions of the laws and documents referred to therein, are accurate and complete in all material respects.

(dd) The Company is not and, at all times up to and including consummation of the transactions contemplated by this Agreement, and after giving effect to application of the net proceeds of the Offering as described in the Pricing Disclosure Package and the Prospectus, will not be, required to register as an "investment company" under the Investment Company Act of 1940, as amended, and is not and will not be an entity "controlled" by an "investment company" within the meaning of such act.

(ee) Except as disclosed in the Registration Statement, Pricing Disclosure Package and the Prospectus, there are no contracts, agreements or understandings between the Company and any person that would give rise to a valid claim against the Company or any Underwriter for a brokerage commission, finder's fee or other like payment in connection with the transactions contemplated by this Agreement or, to the Company's knowledge, any arrangements, agreements, understandings, payments or issuance with respect to the Company or any of its officers, directors, shareholders, partners, employees, subsidiaries or affiliates that may affect the Underwriters' compensation, as determined by FINRA Rule 5110.

(ff) The Company and each Subsidiary owns or leases all such properties as are necessary to the conduct of its business as presently operated and as proposed to be operated as described in the Registration Statement, the Pricing Disclosure Package and the Prospectus. The Company and the Subsidiaries have good and marketable title in fee simple to all real property and good and marketable title to all personal property owned by them, in each case free and clear of any and all Liens except such as are described in the Registration Statement, the Pricing Disclosure Package and the Prospectus or such as do not (individually or in the aggregate) materially affect the value of such property or materially interfere with the use made or proposed to be made of such property by the Company and the Subsidiaries; and any real property and buildings held under lease or sublease by the Company and the Subsidiaries are held by them under valid, subsisting and enforceable leases with such exceptions as are not material to, and do not materially interfere with, the use made and proposed to be made of such property and buildings by the Company and the Subsidiaries. Neither the Company nor any Subsidiary has received any notice of any claim adverse to its ownership of any real or personal property or of any claim against the continued possession of any real property, whether owned or held under lease or sublease by the Company or the Subsidiaries.

(gg) To the Company's knowledge, the Company and each Subsidiary: (i) owns or possesses valid and adequate rights to use any and all patents and patent applications; trademarks, service marks, domain names, social media accounts and identifiers, trade names, brand names, trademark registrations, service mark registrations, and all goodwill arising from the foregoing; rights of publicity; copyrights, works of authorship, software, data, databases, systems, and technology; licenses, formulae, customer lists, know-how, trade secrets and other unpatented and/or unpatentable proprietary or confidential information, systems or procedures; and all other intellectual, industrial, or proprietary property or rights (collectively, "**Intellectual Property**") used in or necessary for the conduct of their respective businesses as presently conducted and as described as proposed to be conducted in the Registration Statement, the Pricing Disclosure Package and the Prospectus (collectively, the "**Company Intellectual Property**"), and none of the foregoing will be adversely affected by the consummation of the transactions contemplated by this Agreement; and (ii) except as described in the Registration Statement, the Pricing Disclosure Package and the Prospectus, exclusively owns free and clear of all Liens all right, title, and interest in and to all Intellectual Property described in the Pricing Disclosure Package and the Prospectus as being owned by them or that is otherwise purported to be owned by them (collectively, the "**Owned Intellectual Property**"). To the Company's knowledge, all material registrations and applications for Owned Intellectual Property are subsisting, unexpired and have not been abandoned in any applicable jurisdiction, except for registrations and applications that the Company has decided to abandon or

otherwise let lapse in its business judgment. Neither the Company nor any Subsidiary has received any notice of any claim of infringement, misappropriation or violation of the Intellectual Property rights of others that could, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect. The Company and Subsidiaries have taken reasonable measures consistent with industry standards to protect the confidentiality of their material trade secrets and confidential or proprietary information (including the source code for all material proprietary software). No such material trade secrets or information (including source code) has ever been disclosed or released to any third party (except pursuant to reasonable confidentiality obligations) and, to the Company's knowledge, no event has occurred, and no circumstances or conditions exist (including the execution of this Agreement or the consummation of the transactions contemplated hereby) that (with or without notice or lapse of time, or both) will, or could reasonably be expected to, result in the disclosure or release thereof to a third party. To the Company's knowledge, all such trade secrets and information (including source code) which has not been patented is and has been kept confidential. Except as disclosed in the Registration Statement, the Pricing Disclosure Package and the Prospectus, neither the Company nor any Subsidiary has granted, licensed or assigned to any other person or entity any right to manufacture, have manufactured, assemble, offer to sell, or sell the current products and services of the Company and its Subsidiaries or those products and services described in the Registration Statement, the Pricing Disclosure Package and the Prospectus. To the Company's knowledge, there is and has been no infringement, misappropriation, or other violation (i) by the Company or the Subsidiaries (including by the operation of its respective business or its products or services) of any Intellectual Property rights of any third party or (ii) by third parties of any Owned Intellectual Property, except, in each case, as would not reasonably be expected to have a Material Adverse Effect. There is no pending or, to the Company's knowledge, threatened action, suit, proceeding, or claim either (x) challenging (A) the Company's or the Subsidiaries' rights in or to any Company Intellectual Property or (B) the validity, enforceability, scope, ownership, or use of any Owned Intellectual Property, or (y) alleging any infringement, misappropriation, or other violation by the Company or the Subsidiaries of any patent, trademark, copyright, trade secret or other Intellectual Property right of any third party, in the case of (y), that would result in a Material Adverse Effect. None of the Company's or the Subsidiaries' material proprietary software contains, incorporates, includes or is linked to, derived from, embedded with or distributed with any "copyleft" or similar software in any manner that would require that any source code for such material proprietary software to be disclosed, licensed, or distributed to others. To the Company's knowledge, all patent applications owned by the Company or under which the Company has rights have been duly and properly filed and are being diligently prosecuted. To the Company's knowledge, the Company and the parties prosecuting patent applications owned by the Company have complied or are in the process of complying with their duty of candor and disclosure to the U.S. Patent and Trademark Office (the "USPTO"), in connection with all patent applications for which it has filing or prosecution responsibilities. To the Company's knowledge, there are no patents or patent applications of a third party that contains claims that dominate or may dominate (as such term is described in 35 U.S.C. §135 and 37 C.F.R. 41.100 to 41.208) with the pending claims of any of the Intellectual Property of the Company. To the Company's knowledge, there is no prior art material to any patent application of the Intellectual Property of the Company that may render any later issued U.S. patent from such patent application owned by the Company invalid or unenforceable. The Company is not aware of any prior art or public or commercial activity or other facts required to be disclosed to the USPTO which would preclude the grant of a patent in connection with any such application.

(hh) The Company's and the Subsidiaries' information technology assets and equipment, computers, systems, networks, hardware, software, websites, applications, data (including the data of their respective customers, employees, suppliers, vendors and any third party data maintained by or on behalf of them), and databases (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 and the Subsidiaries as currently conducted, and, to the Company's knowledge, are free from any material defects, viruses, worms, Trojan horses or similar flaws or harmful programs. There has been no security breach or attack or other compromise of or relating to any of the Company's or the Subsidiaries' IT Systems, including any such activity that would result in any unauthorized use, access, misappropriation or modification of Personal Data as defined below. "Personal Data" means (i) a natural person's name, street address, telephone number, e-mail address, photograph, social security number or tax identification number, driver's license number, passport number, credit card number, bank information, or customer or account number; (ii) any information which would qualify as "personally identifying information" under the Federal Trade Commission Act, as amended; (iii) "personal data" as defined by GDPR (as defined below); (iv) any information which would qualify as "protected health information" under the Health Insurance Portability and Accountability Act of 1996, as amended by the Health Information Technology for Economic and Clinical Health Act (collectively, "HIPAA"); and (v) any other piece of information that allows the identification of such natural person, or his or her

family, or permits the collection or analysis of any data related to an identified person's health or sexual orientation. To the Company's knowledge, 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 are there any incidents under internal review or investigations relating to the same. The Company and the Subsidiaries have been and are presently in material compliance with all applicable laws, statutes, and all judgments, orders, rules and regulations of any court or arbitrator or governmental or regulatory authority, internal or external policies and contractual obligations relating to Personal Data and to the protection of such IT Systems and Personal Data from unauthorized use, access, misappropriation or modification.

(ii) The Company and the Subsidiaries are 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, 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. Neither the Company nor any Subsidiary has been notified in writing, or have been required by applicable Law or by any court or any other federal, state, local or foreign governmental or regulatory authority having jurisdiction over the Company, the Subsidiaries or any of their properties or assets to notify in writing, any person of any Personal Data or security-related incident. Neither the Company nor any Subsidiary has received any written notice of any claims, investigations, or alleged violations of Law with respect to Personal Data. To the Company's knowledge, no person has commenced any proceedings relating to the Company's or any Subsidiary's information privacy or data security practices.

(jj) The Company and the Subsidiaries have implemented, and required of their third party vendors, adequate policies and commercially reasonable security controls regarding the collection, use, disclosure, retention, confidentiality, integrity, and availability of personal and business sensitive information in their possession, custody, or control, or held or processed on their behalf, and regarding the integrity and availability of the information technology the Company and the Subsidiaries own, operate, or outsource.

(kk) The Company and the Subsidiaries maintain insurance in such amounts and covering such risks as the Company reasonably considers adequate for the conduct of its business and the value of its properties and as is customary for companies engaged in similar businesses in similar industries, all of which insurance is in full force and effect, except where the failure to maintain such insurance could not reasonably be expected to have a Material Adverse Effect. There are no material claims by the Company or the Subsidiaries under any such policy or instrument as to which any insurance company is denying liability or defending under a reservation of rights clause. The Company reasonably believes that it will be able to renew its existing insurance as and when such coverage expires or will be able to obtain replacement insurance adequate for the conduct of the business and the value of its properties at a cost that could not have a Material Adverse Effect.

(ll) Except as would not reasonably be expected to result in a Material Adverse Effect, the Company and each Subsidiary has accurately prepared and timely filed all federal, state, foreign and other tax returns that are required to be filed by it or have been granted extensions thereof and has paid or made provision for the payment of all taxes, assessments, governmental or other similar charges, including without limitation, all sales and use taxes and all taxes which the Company or any Subsidiary is obligated to withhold from amounts owing to employees, creditors and third parties, with respect to the periods covered by such tax returns (whether or not such amounts are shown as due on any tax return). Except as would not reasonably be expected to result in a Material Adverse Effect, no deficiency assessment with respect to a proposed adjustment of the Company's or the Subsidiaries' federal, state, local or foreign taxes is pending or, to the Company's knowledge, threatened. The accruals and reserves on the books and records of the Company and the Subsidiaries in respect of tax liabilities for any taxable period not finally determined are adequate to meet any assessments and related liabilities for any such period and, since December 31, 2023, except as would not reasonably be expected to have a Material Adverse Effect, the Company and the Subsidiaries have not incurred any liability for taxes other than in the ordinary course of its business. There is no tax lien, whether imposed by any federal, state, foreign or other taxing authority, outstanding against the assets, properties or business of the Company or the Subsidiaries, other than any such tax lien arising automatically under applicable law with respect to taxes not yet due and payable or being contested in good faith.

(mm) No labor disturbance by the employees of the Company or the Subsidiaries exists or, to the Company's knowledge, is imminent and the Company is not aware of any existing or imminent labor disturbances by the employees of any of its or the Subsidiaries' principal suppliers, manufacturers', customers or contractors, which, in either case (individually or in the aggregate), could reasonably be expected to have a Material Adverse Effect.

(nn) Except as would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect, (i) each “employee benefit plan” (within the meaning of Section 3(3) of the Employee Retirement Security Act of 1974, as amended (“**ERISA**”)) for which the Company or any member of its “Controlled Group” (defined as any organization which is a member of a controlled group of corporations within the meaning of Section 414 of the Internal Revenue Code of 1986, as amended (the “**Code**”)) would have any liability (each a “**Plan**”) has been maintained in compliance with its terms and with the requirements of all applicable statutes, rules and regulations including ERISA and the Code; (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) with respect to each Plan subject to Title IV of ERISA (A) no “reportable event” (within the meaning of Section 4043(c) of ERISA) has occurred or is reasonably expected to occur, (B) no “accumulated funding deficiency” (within the meaning of Section 302 of ERISA or Section 412 of the Code), whether or not waived, has occurred or is reasonably expected to occur, (C) the fair market value of the assets under each Plan exceeds the present value of all benefits accrued under such Plan (determined based on those assumptions used to fund such Plan), and (D) neither the Company or any member of its Controlled Group has incurred, or reasonably expects to incur, any liability under Title IV of ERISA (other than contributions to the Plan or premiums to the Pension Benefit Guaranty Corporation in the ordinary course and without default) in respect of a Plan (including a “multiemployer plan”, within the meaning of Section 4001(c)(3) of ERISA); and (iv) each Plan that is intended to be qualified under Section 401(a) of the Code is so qualified and nothing has occurred, whether by action or by failure to act, which would cause the loss of such qualification.

(oo) There has been no storage, generation, transportation, handling, use, treatment, disposal, discharge, emission, contamination, release or other activity involving any kind of hazardous, toxic or other wastes, pollutants, contaminants, petroleum products or other hazardous or toxic substances, chemicals or materials (“**Hazardous Substances**”) by, due to, on behalf of, or caused by the Company or the Subsidiaries (or, to the Company’s knowledge, any other entity for whose acts or omissions the Company is or may be liable) upon any property now or previously owned, operated, used or leased by the Company or the Subsidiaries, or upon any other property, which would be a violation of or give rise to any liability under any applicable law, rule, regulation, order, judgment, decree or permit, common law provision or other legally binding standard relating to pollution or protection of human health and the environment (“**Environmental Law**”), except for violations and liabilities which, individually or in the aggregate, could not reasonably be expected to have a Material Adverse Effect. There has been no disposal, discharge, emission, contamination or other release of any kind at, onto or from any such property or into the environment surrounding any such property of any Hazardous Substances with respect to which the Company or any Subsidiary has knowledge, except as could not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect. Neither the Company nor any Subsidiary has agreed to assume, undertake or provide indemnification for any liability of any other person under any Environmental Law, including any obligation for cleanup or remedial action, except as could not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect. There is no pending or, to the Company’s knowledge, threatened administrative, regulatory or judicial action, claim or notice of noncompliance or violation, investigation or proceedings relating to any Environmental Law against the Company or any Subsidiary, except in each case which, individually or in the aggregate, would not reasonably be expected to have a Material Adverse Effect. No property of the Company or any Subsidiary is subject to any Lien under any Environmental Law. Neither the Company nor any Subsidiary is subject to any order, decree, agreement or other individualized legal requirement related to any Environmental Law.

(pp) The Company and each of its subsidiaries (i) is in compliance, in all material respects, with any and all applicable foreign, federal, state and local laws, rules, regulations, treaties, statutes and codes promulgated by any and all governmental authorities (including pursuant to the Occupational Health and Safety Act) relating to the protection of human health and safety in the workplace (“**Occupational Laws**”); (ii) has received all material permits, licenses or other approvals required of it under applicable Occupational Laws to conduct its business as currently conducted; and (iii) is in compliance, in all material respects, with all terms and conditions of such permit, license or approval. No action, proceeding, revocation proceeding, writ, injunction or claim is pending or, to the Company’s knowledge, threatened against the Company or any of its subsidiaries relating to Occupational Laws, and the Company does not have knowledge of any facts, circumstances or developments relating to its operations or cost accounting practices that could reasonably be expected to form the basis for or give rise to such actions, suits, investigations or proceedings.

(qq) The Company and the Subsidiaries (i) are in material compliance with all statutes, rules and regulations applicable to the testing, development, manufacture, packaging, processing, use, distribution, marketing, labeling, promotion, sale, offer for sale, storage, import, export or disposal of any product under development, manufactured or distributed by the Company or the Subsidiaries (“**Applicable Laws**”) except where such noncompliance could not reasonably be expected to have a Material Adverse Effect, (ii) have not received any Form 483 from the FDA, notice of adverse finding, warning letter, or other written correspondence or notice from the FDA, the European Medicines Agency (the “**EMA**”), the U.K. Medicines and Healthcare Products Regulatory Agency (the “**MHRA**”), the German Federal Institute for Drugs and Medical Devices (the “**BfArM**”), or any other federal, state, local or foreign governmental or regulatory authority alleging or asserting material noncompliance with any Applicable Laws or any licenses, certificates, approvals, clearances, authorizations, permits and supplements or amendments thereto required by any such Applicable Laws (“**Authorizations**”), that could, individually or in the aggregate, result in a Material Adverse Effect; (iii) possess all material Authorizations and such Authorizations are valid and in full force and effect and neither the Company nor any Subsidiary is in material violation of any term of any such Authorizations except where such nonpossession, failure or noncompliance could not reasonably be expected to have a Material Adverse Effect; (iv) have not received written notice of any claim, action, suit, proceeding, hearing, enforcement, investigation, arbitration or other action from the FDA, the EMA, the MHRA, the BfArM, or any other federal, state, local or foreign governmental or regulatory authority or third party alleging that any Company product, operation or activity is in material violation of any Applicable Laws or Authorizations which noncompliance could reasonably be expected to have a Material Adverse Effect and has no knowledge that the FDA, the EMA, the MHRA, the BfArM, or any other federal, state, local or foreign governmental or regulatory authority or third party is considering any such claim, litigation, arbitration, action, suit, investigation or proceeding against the Company; (v) have not received written notice that the FDA, EMA, the MHRA, the BfArM, or any other federal, state, local or foreign governmental or regulatory authority has taken, is taking or intends to take action to limit, suspend, modify or revoke any material Authorizations that could reasonably be expected to have a Material Adverse Effect and has no knowledge that the FDA, EMA, the MHRA, the BfArM, or any other federal, state, local or foreign governmental or regulatory authority is considering such action; and (vi) have filed, obtained, maintained or submitted all reports, documents, forms, notices, applications, records, claims, submissions and supplements or amendments as required by any Applicable Laws or Authorizations, except whether the failure to file, obtain, maintain or submit such reports, documents, forms, notices, applications, records, claims, submissions and supplements or amendments could not result in a Material Adverse Effect, and that all such reports, documents, forms, notices, applications, records, claims, submissions and supplements or amendments were materially complete and correct on the date filed (or were corrected or supplemented by a subsequent submission) except such incompletions and incorrections as could not reasonably be expected to result in a Material Adverse Effect.

(rr) The Company’s and the Subsidiaries’ business practices have been structured in a manner reasonably designed to comply with the state, federal and foreign Health Care Laws applicable to the Company’s and the Subsidiaries’ respective businesses, and the Company and the Subsidiaries are in compliance with such applicable Health Care Laws, except where the failure to do so could not reasonably be expected to have a Material Adverse Effect. The Company and the Subsidiaries have not engaged in activities which to their knowledge are cause for false claims liability, civil penalties, or mandatory or permissive exclusion from Medicare, Medicaid, or any other state health care program or federal health care program. For purposes of this Agreement, “**Health Care Laws**” means the: (i) the Federal Food, Drug, and Cosmetic Act (21 U.S.C. § 301 et seq.) and the regulations promulgated thereunder; (ii) all applicable federal, state, local and all applicable foreign health care related fraud and abuse laws, including, without limitation, the U.S. Anti-Kickback Statute (42 U.S.C. Section 1320a-7b(b)), the U.S. civil False Claims Act (31 U.S.C. Section 3729 et seq.), the federal criminal false claims law (42 U.S.C. § 1320a-7b(a)), the federal civil monetary penalties law (42 U.S.C. § 1320a-7a), the Stark Law (42 U.S.C. §1395nn), 18 U.S.C. Sections 286 and 287, the health care fraud criminal provisions under HIPAA (42 U.S.C. Section 1320d et seq.), the exclusion laws (42 U.S.C. §1320a-7), the statutes and regulations of applicable government healthcare programs, including the European Union General Data Protection Regulation (EU 2016 679), Medicare, Title XVIII of the Social Security Act, and Medicaid, Title XIX of the Social Security Act, and the regulations promulgated pursuant to such statutes; and (iii) the Standards for Privacy of Individually Identifiable Health Information (the “**Privacy Rule**”), the Security Standards, and the Standards for Electronic Transactions and Code Sets promulgated under HIPAA, the Health Information Technology for Economic and Clinical Health Act (42 U.S.C. Section 17921 et seq.), and the regulations



promulgated thereunder and any state or non-U.S. counterpart thereof or other law or regulation the purpose of which is to protect the privacy of individuals or prescribers. Neither the Company nor any Subsidiary has received written notice of any claim, action, suit, proceeding, hearing, enforcement, investigation, arbitration or other material action from any court or arbitrator or governmental or regulatory authority or third party alleging that any product, operation or activity is in violation of any Health Care Laws nor, to the Company's knowledge, is any such claim, action, suit, proceeding, hearing, enforcement, investigation, arbitration or other action threatened. The Company and the Subsidiaries have filed, maintained or submitted all material 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). Neither the Company nor any Subsidiary is a party to any corporate integrity agreements, monitoring agreements, consent decrees, plans of correction, settlement orders, or similar agreements with or imposed by any governmental or regulatory authority. Additionally, neither the Company, any Subsidiary nor any of their respective employees, officers or directors has been excluded, suspended or debarred from participation in any U.S. federal health care program or human clinical research or, to the knowledge of the Company, is subject to a governmental inquiry, investigation, proceeding, or other similar action that could reasonably be expected to result in debarment, suspension, or exclusion.

(ss) All animal and other preclinical studies and clinical trials currently being conducted by the Company or on behalf of the Company are, to the Company's knowledge, being conducted in all material respects in compliance with all Applicable Laws and in accordance with experimental protocols, procedures and controls generally used by qualified experts in the preclinical study and clinical trials of new drugs and biologics as applied to comparable products to those being developed by the Company, and, except as set forth in the Registration Statement and the Prospectus, the Company has no knowledge of any other clinical trials or preclinical studies, the results of which reasonably call into question the clinical trial or preclinical study results described or referred to in the Registration Statement and the Prospectus when viewed in the context in which such results are described, except such results as could not reasonably be expected to result in a Material Adverse Effect; and the Company has not received any written notices or correspondence from the FDA, the EMA, the MHRA, the BfArM, or any other domestic or foreign governmental agency requiring the termination or suspension of any preclinical studies or clinical trials conducted by or on behalf of the Company that are described in the Registration Statement and the Prospectus or the results of which are referred to in the Registration Statement and the Prospectus.

(tt) The Company has established and administers a compliance program applicable to the Company, to assist the Company and the directors, officers and employees of the Company in complying with applicable regulatory guidelines (including, without limitation, those administered by the FDA, the EMA, the MHRA, the BfArM, and any other foreign, federal, state or local governmental or regulatory authority performing functions similar to those performed by the FDA or EMA); except where such noncompliance could not reasonably be expected to have a Material Adverse Effect.

(uu) (i) Except as disclosed in the Registration Statement, the Pricing Disclosure Package and the Prospectus, there have been no recalls, field notifications, field corrections, market withdrawals or replacements, warnings, "dear doctor" letters, investigator notices, safety alerts or other notice of action relating to an alleged lack of safety, efficacy, or regulatory compliance of the Company's products ("**Safety Notices**") and (ii) to the Company's knowledge, there are no facts that would be reasonably likely to result in (x) a Safety Notice with respect to the Company's products or services, (y) a change in labeling of any the Company's respective products or services, or (z) a termination or suspension of marketing or testing of any the Company's products or services.

(vv) Neither the Company nor any Subsidiary nor, to the Company's knowledge, any director, officer, agent, employee, affiliate or other person acting on behalf of the Company or any Subsidiary, has authorized the giving of, offer or promise to give or (i) made any unlawful contribution, gift, entertainment or other unlawful expense relating to political activity; (ii) made any direct or indirect unlawful payment to any domestic governmental official, "foreign official" (as defined in the U.S. Foreign Corrupt Practices Act of 1977, as amended, and the rules and regulations thereunder (collectively, the "**FCPA**")) or employee; (iii) violated or is in violation of any provision of the FCPA, UK Bribery Act, any applicable non-U.S. anti-bribery statute or regulation or any locally applicable corruption laws; (iv) made any bribe, rebate, payoff, influence payment, kickback or other unlawful payment; or (v) received notice of any investigation, proceeding or inquiry by any governmental agency, authority or body regarding

any of the matters in clauses (i)-(iv) above; and the Company and the Subsidiaries and, to the Company's knowledge, the Company's affiliates have conducted their respective businesses in compliance with the FCPA and have instituted and maintain policies and procedures designed to ensure, and which are reasonably expected to continue to ensure, continued compliance therewith.

(ww) The operations of the Company and the Subsidiaries are and have been conducted at all times in compliance with applicable financial record-keeping and reporting requirements, including those of the Bank Secrecy Act, as amended by Title III of the Uniting and Strengthening America by Providing Appropriate Tools Required to Intercept and Obstruct Terrorism Act of 2001 (USA PATRIOT Act) (Title III of Pub. L. 107-56 (signed into law October 26, 2001)) (the "**USA Patriot Act**"), and those of the Currency and Foreign Transactions Reporting Act of 1970, as amended, and the money laundering statutes of all applicable jurisdictions, the rules and regulations thereunder and any related or similar rules, regulations or guidelines issued, administered or enforced by any governmental agency (collectively, the "**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 or the Subsidiaries with respect to the Money Laundering Laws is pending or, to the Company's knowledge, threatened.

(xx) None of the Company nor any Subsidiary nor, to the knowledge of the Company, any officer, director, agent, employee, affiliate or any person acting on behalf of the Company or any Subsidiary is or, in the past five years, has been (A) engaged in any services (including financial services), transfers of goods, software, or technology, or any other business activity related, including but not limited to (i) so-called Donetsk People's Republic or so-called Luhansk People's Republic, Crimea region, the non-government controlled areas of the Zaporizhzhia and Kherson Regions, Cuba, Iran, North Korea, Russia, Sudan, and Syria ("**Sanctioned Countries**"), (ii) the government of any Sanctioned Country, (iii) any person, entity or organization located in, resident in, formed under the laws of, or owned or controlled by the government of, any Sanctioned Country, or (iv) any person, entity or organization made subject or target of any sanctions administered or enforced by the United States Government (including the US Department of Treasury, Office of Foreign Assets Control and the US Department of State), including, without limitation, the list of Specially Designated Nationals ("**SDN List**") of the Office of Foreign Assets Control of the U.S. Treasury Department ("**OFAC**"), or by the United Nations Security Council, the European Union, Her Majesty's Treasury-UK, or other relevant sanctions authority (collectively, "**Sanctions**") and the Company will not directly or indirectly use the proceeds of this offering, or lend, contribute or otherwise make available such proceeds to any of its subsidiaries, or any joint venture partner or other person or entity, for the purpose of financing the activities of or business with any person, or in any country or territory, that currently is the subject to any U.S. sanctions administered by OFAC 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 U.S. sanctions administered by OFAC; (B) engaged in any transfers of goods, technologies or services (including financial services) that may assist the governments of Sanctioned Countries or facilitate money laundering or other activities proscribed by United States laws, rules or regulations; (C) is a person, entity or organization currently the subject of any Sanctions; or (D) located, organized or resident in any Sanctioned Country.

(yy) Except as disclosed in the Registration Statement, the Pricing Disclosure Package and the Prospectus, the Company (i) does not have any material lending or other relationship with any bank or lending affiliate of any Underwriter and (ii) does not intend to use any of the proceeds from the sale of the Shares to repay any outstanding debt owed to any affiliate of any Underwriter.

(zz) The Company has provided to the Representatives a properly completed and executed Certificate Regarding Beneficial Owners of Legal Entity Customers, together with any required identifying documentation, and the Company hereby undertakes to provide such additional supporting documentation as the Representatives may reasonably request in connection with verification of the forgoing certification.

(aaa) The Company and the Subsidiaries are, and at all prior times were, in material compliance with all applicable state and federal data privacy and security laws and regulations, including without limitation HIPAA, and the Company and the Subsidiaries have taken commercially reasonable actions to prepare to comply with, and since May 25, 2018, have been and currently are in material compliance with, the European Union General Data Protection Regulation ("**GDPR**") (EU 2016/679) (collectively, the "**Privacy Laws**"). To ensure compliance with the Privacy Laws, the Company and its subsidiaries have in place, comply with, and take appropriate steps reasonably designed to ensure compliance in all material respects with their policies and procedures relating to data privacy and security

and the collection, storage, use, disclosure, handling, and analysis of Personal Data. The Company and the Subsidiaries have at all times made all disclosures to users or customers required by applicable laws and regulatory rules or requirements, and none of such disclosures made or contained in any Policy have, to the knowledge of the Company, been inaccurate or in violation of any applicable laws and regulatory rules or requirements in any material respect. The Company further certifies that neither it nor any subsidiary: (i) has received notice of any actual or potential liability under or relating to, or actual or potential violation of, any of the Privacy Laws, and has no knowledge of any event or condition that would reasonably be expected to result in any such notice; (ii) is currently conducting or paying for, in whole or in part, any investigation, remediation, or other corrective action pursuant to any Privacy Law; or (iii) is a party to any order, decree, or agreement that imposes any obligation or liability under any Privacy Law.

Any certificate signed by or on behalf of the Company and delivered to the Representatives or to counsel for the Underwriters shall be deemed to be a representation and warranty by the Company to each Underwriter as to the matters covered thereby.

## 2. Purchase, Sale and Delivery of the Shares.

(a) On the basis of the representations, warranties, covenants and agreements herein contained, and subject to the terms and conditions herein set forth, the Company agrees to sell to each Underwriter and each Underwriter, severally and not jointly, agrees to purchase from the Company, at a purchase price per share of \$43.24, the number of Firm Shares set forth opposite their respective names on Schedule I hereto together with any additional number of Shares which such Underwriter may become obligated to purchase pursuant to the provisions of Section 10 hereof, subject, however, to such adjustments to eliminate fractional shares as the Representatives in their sole discretion shall make.

(b) The closing of the issuance of the Firm Shares shall be held at the office of Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C. (“**Underwriters’ Counsel**”), or at such other place as shall be agreed upon by the Representatives and the Company, at 10:00 a.m., New York City time, on May 7, 2024, or such other time and date as the Representatives and the Company may agree upon in writing (such time and date of payment and delivery being herein called the “**Closing Date**”). Payment of the purchase price for the Firm Shares shall be made by wire transfer in same day funds to the accounts specified by the Company upon delivery of the Firm Shares to the Representatives through the facilities of The Depository Trust Company (“**DTC**”) for the respective accounts of the several Underwriters. The Firm Shares shall be registered in such name or names and shall be in such denominations as the Representatives may request in writing not later than the business day immediately prior to the Closing Date. In the event that the Firm Shares are not delivered to the Representatives by 2:30 p.m., New York City time on the Closing Date, the Company will return payment of the full purchase price to the Representatives’ agent, Pershing LLC, via same day funds by 4:30 p.m., New York City time. The Company shall remain liable to Pershing LLC for the full amount of the purchase price and any costs associated with recovering the purchase price until the full amount has been received by Pershing LLC.

(c) In addition, the Company hereby grants to the Underwriters the option to purchase up to 450,000 Additional Shares at the same purchase price per share to be paid by the Underwriters for the Firm Shares as set forth in Section 2(a) above. This option may be exercised at any time and from time to time, in whole or in part on one or more occasions, on or before the thirtieth day following the date of the Prospectus, by written notice from the Representatives to the Company. Such notice shall set forth the aggregate number of Additional Shares as to which the option is being exercised and the date and time, as reasonably determined by the Representatives, when the Additional Shares are to be delivered (any such date and time being herein sometimes referred to as an “**Additional Closing Date**”); *provided, however*, that no Additional Closing Date shall occur earlier than the Closing Date or earlier than the second full business day after the date on which the option shall have been exercised nor later than the eighth full business day after the date on which the option shall have been exercised. On the basis of the representations, warranties, covenants and agreements herein contained, but subject to the terms and conditions herein set forth, upon any exercise of the option as to all or any portion of the Additional Shares, each Underwriter, acting severally and not jointly, agrees to purchase from the Company the number of Additional Shares that bears the same proportion of the total number of Additional Shares then being purchased as the number of Firm Shares set forth opposite the name of such Underwriter in Schedule I hereto (or such number increased as set forth in Section 10 hereof) bears to the total number of Firm Shares that the Underwriters have agreed to purchase hereunder, subject, however, to such adjustments to eliminate fractional shares as the Representatives in their sole discretion shall make. In the event that the

Underwriters exercise less than their full option to purchase Additional Shares, the number of Additional Shares to be sold by the Company shall be, as nearly as practicable, in the same proportion as the maximum number of Additional Shares to be sold by the Company and the number of Additional Shares to be sold.

(d) The closing of the issuance of the Additional Shares shall be held at the office of Underwriters' Counsel, or at such other place as shall be agreed upon by the Representatives and the Company, at 10:00 a.m., New York City time, on any Additional Closing Date, or such other time as shall be agreed upon by the Representatives and the Company. Payment of the purchase price for the Additional Shares shall be made by wire transfer in same day funds to the account specified by the Company upon delivery of the Additional Shares to the Representatives through the facilities of DTC for the respective accounts of the several Underwriters. The Additional Shares shall be registered in such name or names and shall be in such denominations as the Representatives may request in writing not later than the business day immediately prior to the Closing Date. In the event that the Additional Shares are not delivered to the Representative by 2:30 p.m., New York City time on the Additional Closing Date, the Company will return payment of the full purchase price to the Representative's agent, Pershing LLC, via same day funds by 4:30 p.m., New York City time. The Company shall remain liable to Pershing LLC for the full amount of the purchase price and any costs associated with recovering the purchase price until the full amount has been received by Pershing LLC.

3. Offering. Upon authorization of the release of the Firm Shares by the Representatives, the Underwriters propose to offer the Shares for sale to the public upon the terms and conditions set forth in the Prospectus.

4. Covenants of the Company. In addition to the other covenants and agreements of the Company contained herein, the Company further covenants and agrees with each of the Underwriters that:

(a) The Company shall prepare the Prospectus in a form approved by the Representatives and file such Prospectus pursuant to, and within the time period specified in, Rule 424(b) and Rule 430B under the Securities Act; prior to the last date on which an Additional Closing Date, if any, may occur, the Company shall file no further amendment to the Registration Statement or amendment or supplement to the Prospectus to which the Representatives object in writing after being furnished in advance a copy thereof and given a reasonable opportunity to review and comment thereon; the Company shall notify the Representatives promptly (and, if requested by the Representatives, confirm such notice in writing) (i) when the Registration Statement and any amendments thereto become effective, (ii) of any request by the Commission for any amendment of or supplement to the Registration Statement or the Prospectus, including any document incorporated by reference therein or for any additional information, (iii) of the Company's intention to file, or prepare any supplement or amendment to, the Registration Statement, any Preliminary Prospectus or the Prospectus, (iv) of the mailing or the delivery to the Commission for filing of any amendment of or supplement to the Registration Statement or the Prospectus, (v) of the issuance by the Commission of any stop order suspending the effectiveness of the Registration Statement or any post-effective amendment thereto, or suspending the use of any Preliminary Prospectus or the Prospectus or, in each case, of the initiation or threatening of any proceedings therefore, (vi) of the receipt of any comments from the Commission, and (vii) of the receipt by the Company of any notification with respect to the suspension of the qualification of the Shares for sale in any jurisdiction or the initiation or threatening of any proceeding for that purpose. If the Commission shall propose or enter a stop order at any time, the Company will make every reasonable effort to prevent the issuance of any such stop order and, if issued, to obtain the lifting of such order as soon as possible.

(b) If at any time when a prospectus relating to the Shares (or, in lieu thereof, the notice referred to in Rule 173(a) under the Securities Act) is required to be delivered under the Securities Act, any event shall have occurred as a result of which the Pricing Disclosure Package (prior to the availability of the Prospectus) or the Prospectus as then amended or supplemented would, in the judgment of the Underwriters or the Company, include an untrue statement of a material fact or omit to state any material fact necessary in order to make the statements therein, in the light of the circumstances existing at the time of delivery of such Pricing Disclosure Package or Prospectus (or, in lieu thereof, the notice referred to in Rule 173(a) under the Securities Act) to the purchaser, not misleading, or if to comply with the Securities Act, the Exchange Act or the Rules and Regulations it shall be necessary at any time to amend or supplement the Pricing Disclosure Package, the Prospectus or the Registration Statement, or to file any document incorporated by reference in the Registration Statement or the Prospectus or in any amendment thereof or supplement thereto, the Company will notify the Representatives promptly and prepare and file with the Commission an appropriate amendment, supplement or document (in form and substance satisfactory to the Representatives) that will correct such statement or omission or effect such compliance, and will use its reasonable best efforts to have any amendment to the Registration Statement declared effective as soon as possible.

(c) The Company will not, without the prior consent of the Representatives, (i) make any offer relating to the Shares that would constitute a “free writing prospectus” as defined in Rule 405 under the Securities Act, except for any Issuer Free Writing Prospectus set forth in Schedule II hereto and any electronic Road Show previously approved by the Representatives, or (ii) file, refer to, approve, use or authorize the use of any “free writing prospectus” as defined in Rule 405 under the Securities Act with respect to the Offering or the Shares.

(d) The Company will comply with the requirements of Rule 433 with respect to each Issuer Free Writing Prospectus including, without limitation, all prospectus delivery, filing, record retention and legending requirements applicable to each such Issuer Free Writing Prospectus.

(e) At the request of the Representatives, the Company will promptly deliver to each of the Representatives and Underwriters’ Counsel a signed copy of the Registration Statement, as initially filed and all amendments thereto, including all consents and exhibits filed therewith. At the request of the Representatives, the Company will promptly deliver to each of the Underwriters such number of copies of any Preliminary Prospectus, the Prospectus, the Registration Statement, all amendments of and supplements to such documents, if any, and all documents incorporated by reference in the Registration Statement and Prospectus or any amendment thereof or supplement thereto, as the Representatives may reasonably request. Prior to 10:00 A.M., New York City time, on the business day next succeeding the date of this Agreement and from time to time thereafter, at the request of the Representatives, the Company will furnish the Underwriters with copies of the Prospectus in New York City in such quantities as the Representatives may reasonably request.

(f) Promptly from time to time, the Company will use its reasonable best efforts, in cooperation with the Representatives, to qualify the Shares for offering and sale under the securities laws relating to the offering or sale of the Shares of such jurisdictions, domestic or foreign, as the Representatives may reasonably request and to maintain such qualification in effect for so long as required for the distribution thereof; except that in no event shall the Company be obligated in connection therewith (i) to qualify as a foreign corporation, (ii) to execute a general consent to service of process or (iii) subject itself to taxation in any jurisdiction where it is not otherwise so subject.

(g) The Company will make generally available to its security holders and to the Representatives as soon as practicable an earnings statement of the Company and the Subsidiaries (which need not be audited) covering a period of at least twelve months beginning with the first fiscal quarter of the Company commencing after the date of this Agreement that will satisfy the provisions of Section 11(a) of the Securities Act and the Rules and Regulations (including, at the option of the Company, Rule 158).

(h) During the period of 90 days from the date of the Prospectus (the “**Lock-Up Period**”), without the prior written consent of Piper Sandler and Guggenheim Securities, the Company (i) will not, directly or indirectly, issue, offer, sell, agree to issue, offer or sell, solicit offers to purchase, grant any call option, warrant or other right to purchase, purchase any put option or other right to sell, pledge, borrow or otherwise dispose of any shares of Common Stock or any securities convertible into or exercisable or exchangeable for Common Stock, or make any public announcement of any of the foregoing, (ii) will not establish or increase any “put equivalent position” or liquidate or decrease any “call equivalent position” (in each case within the meaning of Section 16 of the Exchange Act and the rules and regulations thereunder) with respect to any shares of Common Stock or any securities convertible into or exercisable or exchangeable for Common Stock, and (iii) will not otherwise enter into any swap, derivative or other transaction or arrangement that transfers to another, in whole or in part, any economic consequence of ownership of any shares of Common Stock or any securities convertible into or exercisable or exchangeable for Common Stock, other securities, cash or other consideration, other than (A) the Shares to be sold hereunder, (B) upon the exercise of an option or warrant, the vesting of restricted stock units, performance stock units or deferred stock units or the conversion or exchange of a security outstanding on the date hereof as referred to in the Registration Statement, the Pricing Disclosure Package and the Prospectus, (C) pursuant to the stock-based compensation plans of the Company and the Subsidiaries as referred to in the Registration Statement, the Pricing Disclosure Package and the Prospectus, and (D) the filing of any registration statement on Form S-8 or a successor form thereto relating to the shares of Common Stock granted pursuant to or reserved for issuance under the stock-based compensation plans of the Company and the Subsidiary referred to in clause (C).

(i) [Reserved.]

(j) During the period of five years from the Effective Date of the Registration Statement, the Company will furnish to the Representatives copies of all reports or other communications (financial or other) furnished to security holders or from time to time published or publicly disseminated by the Company, and will deliver to the Representatives as soon as they are available, copies of any reports, financial statements and proxy or information statements furnished to or filed with the Commission or any national securities exchange on which any class of securities of the Company is listed; provided, that the Company will be deemed to have furnished such reports, other communications, financial statements and proxy or information statements to the Representatives to the extent they are filed on EDGAR.

(k) The Company will use its best efforts to maintain the listing of its Common Stock (including the Shares) on The Nasdaq Capital Market (or another Nasdaq market) following the issuance of the Shares pursuant to this Agreement.

(l) The Company will apply the net proceeds from the sale of the Shares as set forth under the caption "Use of Proceeds" in the Pricing Disclosure Package and the Prospectus.

(m) The Company, during the period when a prospectus (or, in lieu thereof, the notice referred to in Rule 173(a) under the Securities Act) is required to be delivered under the Securities Act in connection with the offer or sale of the Shares, will file all reports and other documents required to be filed by the Company with the Commission pursuant to Section 13(a), 13(c), 14 or 15(d) of the Exchange Act and the Rules and Regulations within the time periods required thereby.

(n) [Reserved.]

(o) The Company will not take, and will cause its affiliates (within the meaning of Rule 144 under the Securities Act) not to take, directly or indirectly, any action which constitutes or is designed to cause or result in, or which would reasonably be expected to constitute, cause or result in, the stabilization or manipulation of the price of any security to facilitate the sale or resale of the Shares or to result in a violation of Regulation M under the Exchange Act.

(p) The Company will do and perform all things required or necessary to be done and performed under this Agreement by it prior to each Closing Date, and to satisfy all conditions precedent to the Underwriters' obligations hereunder to purchase the Shares.

5. Covenant of the Underwriters. Each Underwriter, severally and not jointly, covenants and agrees with the Company that such Underwriter will not use or refer to any "free writing prospectus" (as defined in Rule 405 under the Securities Act) without the prior written consent of the Company if such Underwriter's use of or reference to such "free writing prospectus" would require the Company to file with the Commission any "issuer information" (as defined in Rule 433 under the Securities Act).

6. Payment of Expenses. Whether or not the transactions contemplated by this Agreement, the Registration Statement and the Prospectus are consummated or this Agreement is terminated (provided, however, the Company shall have no obligation to reimburse any defaulting Underwriter pursuant to Section 10 herewith, the Company hereby agrees to pay all costs and expenses incident to the performance of its obligations hereunder, including the following: (i) all expenses in connection with the preparation, printing and filing of the Registration Statement, any Preliminary Prospectus, any Issuer Free Writing Prospectus, the Prospectus and any and all amendments and supplements thereto and the mailing and delivering of copies thereof to the Underwriters and dealers; (ii) the reasonable and documented fees, disbursements and expenses of the Company's counsel and accountants in connection with the registration of the Shares under the Securities Act and the Offering; (iii) the cost of producing this Agreement and any agreement among Underwriters, blue sky survey, closing documents and other instruments, agreements or documents (including any

compilations thereof) in connection with the Offering; (iv) all expenses in connection with the qualification of the Shares for offering and sale under state or foreign securities or blue sky laws as provided in Section 4(f) hereof, including the reasonable and documented fees and disbursements of counsel for the Underwriters in connection with such qualification or offering and in connection with any blue sky survey; (v) all fees and expenses in connection with listing the Shares on Nasdaq and with any filings required to be made with FINRA; (vi) the costs and expenses of the Company relating to investor presentations on any Road Show undertaken in connection with the marketing of the Shares, including without limitation, expenses associated with the production and distribution (including electronic) of Road Show slides and graphics, fees and expenses of any consultants engaged in connection with the Road Show presentations, travel and lodging expenses of the representatives and officers of the Company in connection with the Road Show; (vii) any stock transfer taxes incurred in connection with this Agreement or the Offering; and (viii) the fees and expenses incident to the performance of the obligations of the Representatives (including reasonable and documented fees, disbursements and expenses of counsel for the Underwriters) in an amount not to exceed \$100,000, not including any fees, disbursements and expenses in (v) above. The Company also will pay or cause to be paid: (x) the cost of preparing stock certificates representing the Shares; (y) the cost and charges of any transfer agent or registrar for the Shares; and (z) all other reasonable costs and expenses incident to the performance of its obligations hereunder which are not otherwise specifically provided for in this Section 6.

7. Conditions of Underwriters' Obligations. The several obligations of the Underwriters to purchase and pay for the Firm Shares and the Additional Shares, as provided herein, shall be subject to the accuracy of the representations and warranties of the Company herein contained, as of the date hereof and as of the applicable Closing Date (for purposes of this Section 7, "**Closing Date**" shall refer to the Closing Date for the Firm Shares and any Additional Closing Date, if different, for the Additional Shares), to the performance by the Company of all of its obligations hereunder, and to each of the following additional conditions:

(a) The Prospectus shall have been filed with the Commission in a timely fashion in accordance with Section 4(a) hereof; no stop order suspending the effectiveness of the Registration Statement or any post-effective amendment thereto, and no stop order suspending or preventing the use of any Preliminary Prospectus, any Issuer Free Writing Prospectus, or the Prospectus, shall have been issued by the Commission and no proceedings therefor shall have been initiated or threatened by the Commission; all requests for additional information on the part of the Commission shall have been complied with to the Representatives' reasonable satisfaction; and all necessary regulatory or stock exchange approvals shall have been received.

(b) (i) At the Closing Date, the Representatives shall have received the written opinion and negative assurance statement of Wilson Sonsini Goodrich & Rosati, P.C., counsel for the Company, dated the Closing Date and addressed to the Underwriters, in form and substance reasonably satisfactory to the Representatives.

(c) At the Closing Date, the Representatives shall have received the written opinion and negative assurance statement of Cooley LLP, intellectual property counsel for the Company, dated the Closing Date and addressed to the Underwriters, in form and substance reasonably satisfactory to the Representatives.

(d) At the Closing Date, the Representatives shall have received the written opinion and negative assurance statement of Underwriters' Counsel, dated the Closing Date and addressed to the Underwriters, in form and substance satisfactory to the Representatives, with respect to the issuance and sale of the Shares, the Registration Statement, the Pricing Disclosure Package, the Prospectus and such other matters as the Representatives may require, and the Company shall have furnished to Underwriters' Counsel such documents as they may reasonably request for the purpose of enabling them to pass upon such matters.

(e) At the Closing Date, the Representatives shall have received a certificate of the Chief Executive Officer and Chief Financial Officer of the Company, dated the Closing Date, in form and substance satisfactory to the Representatives as to the accuracy of the representations and warranties of the Company set forth in Section 1 hereof as of the date hereof and as of the Closing Date, as to the performance by the Company of all of its obligations hereunder to be performed at or prior to the Closing Date, as to the matters set forth in subsections (a) and (h) of this Section 7, and as to such other matters as the Representatives may reasonably request.

(f) At the time this Agreement is executed and at the Closing Date, the Representatives shall have received a comfort letter, from Marcum LLP, independent registered public auditing firm for the Company, dated,

respectively, as of the date of this Agreement and as of the Closing Date, addressed to the Underwriters and in form and substance satisfactory to the Underwriters and Underwriters' Counsel, containing statements and information of the type ordinarily included in accountants' "comfort letters" to underwriters with respect to the financial statements and certain financial information contained in the Registration Statement, the Pricing Disclosure Package and the Prospectus.

(g) Neither the Company nor any Subsidiary shall have sustained, since the date of the latest audited financial statements included or incorporated by reference in the Registration Statement, the Pricing Disclosure Package and the Prospectus, any material loss or interference with its business or properties from fire, explosion, flood, earthquake, hurricane, accident or other calamity, whether or not covered by insurance, or from any labor dispute or any legal or governmental proceeding, other than as set forth in the Registration Statement, the Pricing Disclosure Package and the Prospectus (exclusive of any supplement thereto); and (ii) subsequent to the dates as of which information is given in the Registration Statement (exclusive of any amendment thereto subsequent to the date hereof) and the Pricing Disclosure Package and the Prospectus (exclusive of any supplement thereto), there shall not have been any change in the capital stock or long-term or short-term debt of the Company or the Subsidiaries or any change or any development involving a change, whether or not arising from transactions in the ordinary course of business, in the business, general affairs, management, condition (financial or otherwise), results of operations, stockholders' equity, properties or prospects of the Company and the Subsidiaries, individually or taken as a whole, the effect of which, in any such case described above, is, in the judgment of the Representatives, so material and adverse as to make it impracticable or inadvisable to proceed with the Offering on the terms and in the manner contemplated in the Registration Statement, the Pricing Disclosure Package and the Prospectus (exclusive of any such supplement).

(h) No Underwriter shall have discovered and disclosed to the Company on or prior to such Closing Date that any of the Registration Statement, the Pricing Disclosure Package or the Prospectus, or any amendment or supplement thereto, contains an untrue statement of a fact which, in the opinion of Underwriters' Counsel, is material or omits to state a fact which, in the opinion of such counsel, is material and is required to be stated therein or is necessary to make the statements therein not misleading.

(i) As of the date of this Agreement, the Representatives shall have received a duly executed lock-up agreement substantially in the form of Exhibit B hereto (a "**Lock-Up Agreement**") from each person who is a director or executive officer of the Company and each shareholder and other person or entity listed on Schedule IV hereto, in each case substantially in the form attached hereto as Exhibit B.

(j) At the Closing Date, the Company shall have filed a Notification: Listing of Additional Shares with Nasdaq to satisfy the Company's notification obligation under Nasdaq Listing Rule 5250(e)(2).

(k) FINRA shall have confirmed that it has not raised any objection with respect to the fairness and reasonableness of the underwriting terms and arrangements relating to the Offering of the Shares.

(l) The Company shall have furnished the Underwriters and Underwriters' Counsel with such other certificates, opinions or other documents as they may have reasonably requested.

If any of the conditions specified in this Section 7 shall not have been fulfilled when and as required by this Agreement, or if any of the certificates, opinions, written statements or letters furnished to the Representatives or to Underwriters' Counsel pursuant to this Section 7 shall not be satisfactory in form and substance to the Representatives and to Underwriters' Counsel, all obligations of the Underwriters hereunder may be cancelled by the Representatives at, or at any time prior to, the Closing Date and the obligations of the Underwriters to purchase the Additional Shares may be cancelled by the Representatives at, or at any time prior to, any Additional Closing Date. Notice of such cancellation shall be given to the Company in writing or by telephone. Any such telephone notice shall be confirmed promptly thereafter in writing.



## 8. Indemnification.

(a) The Company shall indemnify and hold harmless each Underwriter, its affiliates, directors, officers, employees and each person, if any, who controls any Underwriter within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act, against any and all losses, liabilities, claims, damages and expenses whatsoever as incurred (including but not limited to attorneys' fees and any and all expenses whatsoever incurred in investigating, preparing or defending against any litigation, investigation or proceeding by any governmental authority, commenced or threatened, or any claim whatsoever, and any and all amounts paid in settlement of any claim or litigation, investigation or proceeding by any governmental authority), joint or several, to which they or any of them may become subject under the Securities Act, the Exchange Act or otherwise, insofar as such losses, liabilities, claims, damages or expenses (or actions in respect thereof) arise out of or are based upon (i) any untrue statement or alleged untrue statement of a material fact contained in the Registration Statement, or any amendment thereto, or the omission or alleged omission to state therein a material fact required to be stated therein or necessary to make the statements therein not misleading; or (ii) any untrue statement or alleged untrue statement of a material fact included (A) in any Preliminary Prospectus or the Prospectus, or in any supplement thereto or amendment thereof, or in any Issuer Free Writing Prospectus, or in any "issuer information" (as defined in Rule 433(h)(2) under the Securities Act) filed or required to be filed pursuant to Rule 433(d) under the Securities Act, or (B) in any other materials or information provided to investors by, or with the approval of, the Company in connection with the Offering, including in any Road Show for the Offering ("**Marketing Materials**"), or the omission or alleged omission to state in any Preliminary Prospectus or the Prospectus, or in any supplement thereto or amendment thereof, or in any Issuer Free Writing Prospectus, or in any "issuer information" (as defined in Rule 433(h)(2) under the Securities Act) filed or required to be filed pursuant to Rule 433(d) under the Securities Act, or in any Marketing Materials, a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading, and will reimburse each Underwriter for any legal or other expenses reasonably incurred by it in connection with investigating or defending against such loss, claim, damage, liability or action as such expenses are incurred; provided, however, that the Company will not be liable in any such case to the extent but only to the extent that any such loss, liability, claim, damage or expense arises out of or is based upon any such untrue statement or alleged untrue statement or omission or alleged omission made therein in reliance upon and in conformity with written information furnished to the Company by or on behalf of any Underwriter through the Representatives expressly for use therein. The parties agree that such information provided by or on behalf of any Underwriter through the Representatives consists solely of the material referred to in Section 19 hereof. This indemnity agreement will be in addition to any liability which the Company may otherwise have, including but not limited to other liability under this Agreement.

(b) Each Underwriter, severally and not jointly, shall indemnify and hold harmless the Company, each of the directors of the Company, each of the officers of the Company who shall have signed the Registration Statement, and each other person, if any, who controls the Company within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act, against any losses, liabilities, claims, damages and expenses whatsoever as incurred (including but not limited to attorneys' fees and any and all expenses whatsoever incurred in investigating, preparing or defending against any litigation, commenced or threatened, or any claim whatsoever, and any and all amounts paid in settlement of any claim or litigation), joint or several, to which they or any of them may become subject under the Securities Act, the Exchange Act or otherwise, insofar as such losses, liabilities, claims, damages or expenses (or actions in respect thereof) arise out of or are based upon (i) any untrue statement or alleged untrue statement of a material fact contained in the Registration Statement, or any amendment thereto, or the omission or alleged omission to state therein a material fact required to be stated therein or necessary to make the statements therein not misleading or (ii) any untrue statement or alleged untrue statement of a material fact contained in any related Preliminary Prospectus or the Prospectus, or in any amendment thereof or supplement thereto, or arise out of or are based upon the omission or alleged omission to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading, in each case to the extent, but only to the extent, that any such loss, liability, claim, damage or expense arises out of or is based upon any such untrue statement or alleged untrue statement or omission or alleged omission made therein in reliance upon and in conformity with information furnished in writing to the Company by or on behalf of any Underwriter through the Representatives specifically for use therein; provided, however, that in no case shall any Underwriter be liable or responsible for any amount in excess of the underwriting discount applicable to the Shares to be purchased by such Underwriter hereunder. The parties agree that such information provided by or on behalf of any Underwriter through the Representatives consists solely of the material referred to in Section 19 hereof.

(c) Promptly after receipt by an indemnified party under subsection (a) or (b) above of notice of any claims or the commencement of any action, such indemnified party shall, if a claim in respect thereof is to be made

against the indemnifying party under such subsection, notify each party against whom indemnification is to be sought in writing of the claim or the commencement thereof (but the failure so to notify an indemnifying party shall not relieve the indemnifying party from any liability which it may have under this Section 8 to the extent that it is not materially prejudiced as a result thereof or otherwise has notice of any such action, and in any event shall not relieve it from any liability that such indemnifying party may have otherwise than on account of the indemnity agreement hereunder). In case any such claim or action is brought against any indemnified party, and it notifies an indemnifying party of the commencement thereof, the indemnifying party will be entitled to participate, at its own expense in the defense of such action, and to the extent it may elect by written notice delivered to the indemnified party promptly after receiving the aforesaid notice from such indemnified party, to assume the defense thereof with counsel satisfactory to such indemnified party; provided however, that counsel to the indemnifying party shall not (except with the written consent of the indemnified party) also be counsel to the indemnified party. Notwithstanding the foregoing, the indemnified party or parties shall have the right to employ its or their own counsel in any such case, but the fees and expenses of such counsel shall be at the expense of such indemnified party or parties unless (i) the employment of such counsel shall have been authorized in writing by one of the indemnifying parties in connection with the defense of such action, (ii) the indemnifying parties shall not have employed counsel to have charge of the defense of such action within a reasonable time after notice of commencement of the action, (iii) the indemnifying party does not diligently defend the action after assumption of the defense, or (iv) such indemnified party or parties shall have reasonably concluded that there may be defenses available to it or them which are different from or additional to those available to one or all of the indemnifying parties (in which case the indemnifying parties shall not have the right to direct the defense of such action on behalf of the indemnified party or parties), in any of which events such fees and expenses shall be borne by the indemnifying parties hereof, then, in addition to the fees and expenses of such counsel for the indemnified parties, the indemnifying party shall be liable for the reasonable fees and expenses of not more than one counsel (in addition to any local counsel) separate from its own counsel. No indemnifying party shall, without the prior written consent of the indemnified parties, effect any settlement or compromise of, or consent to the entry of judgment with respect to, any pending or threatened claim, investigation, action or proceeding in respect of which indemnity or contribution may be or could have been sought by an indemnified party under this Section 8 or Section 9 hereof (whether or not the indemnified party is an actual or potential party thereto), unless such settlement, compromise or judgment (i) includes an unconditional release of the indemnified party from all liability arising out of such claim, investigation, action or proceeding and (ii) does not include a statement as to or an admission of fault, culpability or any failure to act, by or on behalf of the indemnified party.

9. Contribution. In order to provide for contribution in circumstances in which the indemnification provided for in Section 8 hereof is for any reason held to be unavailable from any indemnifying party or is insufficient to hold harmless a party indemnified thereunder, the Company and the Underwriters severally shall contribute to the aggregate losses, claims, damages, liabilities and expenses of the nature contemplated by such indemnification provision (including any investigation, legal and other expenses incurred in connection with, and any amount paid in settlement of, any action, suit or proceeding or any claims asserted, but after deducting in the case of losses, claims, damages, liabilities and expenses suffered by the Company, any contribution received by the Company from persons, other than the Underwriters, who may also be liable for contribution, including persons who control the Company within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act, officers of the Company who signed the Registration Statement and directors of the Company) as incurred to which the Company and one or more of the Underwriters may be subject, in such proportions as is appropriate to reflect the relative benefits received by the Company and by the Underwriters from the Offering or, if such allocation is not permitted by applicable law, in such proportions as are appropriate to reflect not only the relative benefits referred to above but also the relative fault of the Company and the Underwriters in connection with the statements or omissions which resulted in such losses, claims, damages, liabilities or expenses, as well as any other relevant equitable considerations. The relative benefits received by the Company and the Underwriters shall be deemed to be in the same proportion as the total proceeds from the Offering (net of underwriting discounts and commissions but before deducting expenses) received by the Company, on the one hand, and the underwriting discount and commissions received by the Underwriters, on the other hand, in each case as set forth in the table on the cover page of the Prospectus, bear to the aggregate initial public offering price of the Shares as set in the table on the cover page of the Prospectus. The relative fault of each of the Company and of the Underwriters shall be determined by reference to, among other things, whether the untrue or alleged untrue statement of a material fact or the omission or alleged omission to state a material fact relates to information supplied by the Company or the Underwriters and the parties' relative intent, knowledge, access to information and opportunity to correct or prevent such statement or omission. The Company and the Underwriters agree that it would not be just and equitable if contribution pursuant to this Section 9 were determined by pro rata

allocation (even if the Underwriters were treated as one entity for such purpose) or by any other method of allocation which does not take account of the equitable considerations referred to above in this Section 9. The aggregate amount of losses, liabilities, claims, damages and expenses incurred by an indemnified party and referred to above in this Section 9 shall be deemed to include any legal or other expenses reasonably incurred by such indemnified party in investigating, preparing or defending against any litigation, or any investigation or proceeding by any judicial, regulatory or other legal or governmental agency or body, commenced or threatened, or any claim whatsoever based upon any such untrue or alleged untrue statement or omission or alleged omission. Notwithstanding the provisions of this Section 9, (i) no Underwriter shall be required to contribute any amount in excess of the amount by which the discounts and commissions applicable to the Shares underwritten by it and distributed to the public exceeds the amount of any damages which such Underwriter has otherwise been required to pay by reason of such untrue or alleged untrue statement or omission or alleged omission and (ii) 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 who was not guilty of such fraudulent misrepresentation. For purposes of this Section 9, each of the Underwriter's affiliates, directors, officers, employees and each person, if any, who controls any Underwriter within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act shall have the same rights to contribution as such Underwriter, and each person, if any, who controls the Company within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act, each officer of the Company who shall have signed the Registration Statement and each director of the Company shall have the same rights to contribution as the Company, subject in each case to clause (i) of the immediately preceding sentence. Any party entitled to contribution will, promptly after receipt of notice of commencement of any action, suit or proceeding against such party in respect of which a claim for contribution may be made against another party or parties, notify each party or parties from whom contribution may be sought, but the omission to so notify such party or parties shall not relieve the party or parties from whom contribution may be sought from any obligation it or they may have under this Section 9 or otherwise. The obligations of the Underwriters to contribute pursuant to this Section 9 are several in proportion to the respective number of Shares to be purchased by each of the Underwriters hereunder and not joint.

#### 10. Underwriter Default.

(a) If any Underwriter or Underwriters shall default in its or their obligation to purchase Firm Shares or Additional Shares hereunder, and if the Firm Shares or Additional Shares with respect to which such default relates (the "**Default Shares**") do not (after giving effect to arrangements, if any, made by the Representatives pursuant to subsection (b) below) exceed in the aggregate 10% of the number of Firm Shares or Additional Shares, each non-defaulting Underwriter, acting severally and not jointly, agrees to purchase from the Company that number of Default Shares that bears the same proportion of the total number of Default Shares then being purchased as the number of Firm Shares set forth opposite the name of such Underwriter in Schedule I hereto bears to the aggregate number of Firm Shares set forth opposite the names of the non-defaulting Underwriters, subject, however, to such adjustments to eliminate fractional shares as the Representatives in their sole discretion shall make.

(b) In the event that the aggregate number of Default Shares exceeds 10% of the number of Firm Shares or Additional Shares, as the case may be, the Representatives may in their discretion arrange for itself or for another party or parties (including any non-defaulting Underwriter or Underwriters who so agree) to purchase the Default Shares on the terms contained herein. In the event that within five calendar days after such a default the Representatives do not arrange for the purchase of the Default Shares as provided in this Section 10, this Agreement or, in the case of a default with respect to the Additional Shares, the obligations of the Underwriters to purchase and of the Company to sell the Additional Shares shall thereupon terminate, without liability on the part of the Company with respect thereto (except in each case as provided in Sections 6, 8, 9, 11 and 12(d)) or the Underwriters, but nothing in this Agreement shall relieve a defaulting Underwriter or Underwriters of its or their liability, if any, to the other Underwriters and the Company for damages occasioned by its or their default hereunder.

(c) In the event that any Default Shares are to be purchased by the non-defaulting Underwriters, or are to be purchased by another party or parties as aforesaid, the Representatives or the Company shall have the right to postpone the Closing Date or Additional Closing Date, as the case may be for a period, not exceeding five business days, in order to effect whatever changes may thereby be made necessary in the Registration Statement or the Prospectus or in any other documents and arrangements, and the Company agrees to file promptly any amendment or supplement to the Registration Statement or the Prospectus which, in the opinion of Underwriters' Counsel, may thereby be made necessary or advisable. The term "**Underwriter**" as used in this Agreement shall include any party substituted under this Section 10 with like effect as if it had originally been a party to this Agreement with respect to such Firm Shares and Additional Shares.

11. Survival of Representations and Agreements. All representations and warranties, covenants and agreements of the Underwriters and the Company contained in this Agreement or in certificates of officers of the Company submitted pursuant hereto, including the agreements contained in Section 6, the indemnity agreements contained in Section 8 and the contribution agreements contained in Section 9, shall remain operative and in full force and effect regardless of any investigation made by or on behalf of any Underwriter or any controlling person thereof or by or on behalf of the Company, any of its officers and directors or any controlling person thereof, and shall survive delivery of and payment for the Shares to and by the Underwriters. The representations contained in Section 1 and the agreements contained in Sections 6, 8, 9, 11, 12 and 18 hereof shall survive any termination of this Agreement, including termination pursuant to Section 10 or 12 hereof.

12. Effective Date of Agreement; Termination.

(a) This Agreement shall become effective when the parties hereto have executed and delivered this Agreement.

(b) The Representatives shall have the right to terminate this Agreement at any time prior to the Closing Date or to terminate the obligations of the Underwriters to purchase the Additional Shares at any time prior to any Additional Closing Date, as the case may be, if, at or after the Applicable Time, (i) any domestic or international event or act or occurrence has materially disrupted, or in the opinion of the Representatives will in the immediate future materially disrupt, the market for the Company's securities or securities in general; or (ii) trading on The New York Stock Exchange ("NYSE") or Nasdaq shall have been suspended or been made subject to material limitations, or minimum or maximum prices for trading shall have been fixed, or maximum ranges for prices for securities shall have been required, on the NYSE or Nasdaq or by order of the Commission or any other governmental authority having jurisdiction; or (iii) a banking moratorium has been declared by any state or federal authority or any material disruption in commercial banking or securities settlement or clearance services shall have occurred; or (iv) (A) there shall have occurred any outbreak or escalation of hostilities or acts of terrorism involving the United States or there is a declaration of a national emergency or war by the United States or (B) there shall have been any other calamity or crisis or any change in political, financial or economic conditions if the effect of any such event in (A) or (B), in the judgment of the Representatives, makes it impracticable or inadvisable to proceed with the offering, sale and delivery of the Firm Shares or the Additional Shares, as the case may be, on the terms and in the manner contemplated by the Prospectus; or (v) any of the events described in Sections 7(g) shall have occurred or the Underwriters shall decline to purchase the Shares for any reason permitted under this Agreement.

(c) Any notice of termination pursuant to this Section 12 shall be in writing.

(d) If this Agreement shall be terminated pursuant to any of the provisions hereof, or if the sale of the Shares provided for herein is not consummated because any condition to the obligations of the Underwriters set forth herein is not satisfied or because of any refusal, inability or failure on the part of the Company to perform any agreement herein or comply with any provision hereof, the Company will, subject to demand by the Representatives, reimburse the Underwriters for all reasonable out-of-pocket expenses (including the reasonable and documented fees and expenses of their counsel, subject to the \$100,000 limitation set forth in Section 6), incurred by the Underwriters in connection herewith; provided, however, that in the event of a termination pursuant to Section 10 hereof, only the non-defaulting Underwriters shall be entitled to receive such reimbursement.

13. Research Analyst Independence. The Company acknowledges that the Underwriters' research analysts and research departments are required to be independent from their respective investment banking divisions and are subject to certain regulations and internal policies, and that such Underwriters' research analysts may hold views and make statements or investment recommendations and/or publish research reports with respect to the Company and/or the Offering that differ from the views of personnel in their respective investment banking divisions. The Company hereby waives and releases, to the fullest extent permitted by law, any claims that the Company may have against the Underwriters with respect to any conflict of interest that may arise from the fact that the views expressed by their independent research analysts and research departments may be different from or inconsistent with the views or advice communicated to the Company by personnel in such Underwriters' investment banking divisions. The Company

acknowledges that each of the Underwriters is a full service securities firm and as such from time to time, subject to applicable securities laws, may effect transactions for its own account or the account of its customers and hold long or short positions in debt or equity securities of the companies that may be the subject of the transactions contemplated by this Agreement.

14. No Advisory or Fiduciary Relationship. The Company acknowledges and agrees that (a) the purchase and sale of the Shares pursuant to this Agreement, including the determination of the public offering price of the Shares and any related discounts and commissions, is an arm's-length commercial transaction between the Company, on the one hand, and the several Underwriters, on the other hand, (b) in connection with the Offering and the process leading thereto, each Underwriter is and has been acting solely as a principal and is not the agent or fiduciary of the Company, the Subsidiaries or their respective stockholders, creditors, employees or any other party, (c) no Underwriter has assumed or will assume an advisory or fiduciary responsibility in favor of the Company with respect to the Offering or the process leading thereto (irrespective of whether such Underwriter has advised or is currently advising the Company or the Subsidiaries on other matters) and no Underwriter has any obligation to the Company with respect to the Offering except the obligations expressly set forth in this Agreement, (d) the Underwriters and their respective affiliates may be engaged in a broad range of transactions that involve interests that differ from those of the Company, (e) any duties and obligations that the Underwriters may have to the Company shall be limited to those duties and obligations specifically stated herein and (f) the Underwriters have not provided any legal, accounting, regulatory or tax advice with respect to the Offering and the Company has consulted its own respective legal, accounting, regulatory and tax advisors to the extent it deemed appropriate.

15. Recognition of the U.S. Special Resolution Regimes.

(a) In the event that any Underwriter that is a Covered Entity becomes subject to a proceeding under a U.S. Special Resolution Regime, the transfer from such Underwriter of this Agreement, and any interest and obligation in or under this Agreement, will be effective to the same extent as the transfer would be effective under the U.S. Special Resolution Regime if this Agreement, and any such interest and obligation, were governed by the laws of the United States or a state of the United States.

(b) In the event that any Underwriter that is a Covered Entity or a BHC Act Affiliate of such Underwriter becomes subject to a proceeding under a U.S. Special Resolution Regime, Default Rights under this Agreement that may be exercised against such Underwriter are permitted to be exercised to no greater extent than such Default Rights could be exercised under the U.S. Special Resolution Regime if this Agreement were governed by the laws of the United States or a state of the United States.

As used in this Section 15:

“**BHC Act Affiliate**” has the meaning assigned to the term “affiliate” in, and shall be interpreted in accordance with, 12 U.S.C. § 1841(k).

“**Covered Entity**” means any of the following: (i) a “covered entity” as that term is defined in, and interpreted in accordance with, 12 C.F.R. § 252.82(b); (ii) a “covered bank” as that term is defined in, and interpreted in accordance with, 12 C.F.R. § 47.3(b); or (iii) a “covered FSI” as that term is defined in, and interpreted in accordance with, 12 C.F.R. § 382.2(b).

“**Default Right**” has the meaning assigned to that term in, and shall be interpreted in accordance with, 12 C.F.R. §§ 252.81, 47.2 or 382.1, as applicable.

“**U.S. Special Resolution Regime**” means each of (i) the Federal Deposit Insurance Act and the regulations promulgated thereunder and (ii) Title II of the Dodd-Frank Wall Street Reform and Consumer Protection Act and the regulations promulgated thereunder.

16. Notices. All communications hereunder, except as may be otherwise specifically provided herein, shall be in writing, and:

(a) if sent to any Underwriter, shall be mailed, delivered, or faxed and confirmed in writing, to such Underwriter c/o Piper Sandler & Co., 800 Nicollet Mall, Suite 800, Minneapolis, Minnesota 55402, Attention: Piper Legal (email: [LegalCapMarkets@psc.com](mailto:LegalCapMarkets@psc.com)) and c/o Guggenheim Securities, LLC, 330 Madison Avenue, New York, New York 10017, Fax (212) 658-9689, Attention: Head of Equity Capital Markets, with copies to the General Counsel and Underwriter's Counsel at Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C., One Financial Center, Boston, Massachusetts 02111, Attention: William Hicks, Esq.;

(b) if sent to the Company, shall be mailed, delivered, or faxed and confirmed in writing to the Company at Soleno Therapeutics, Inc., 203 Redwood Shores Parkway, Suite 500, Redwood City, California 94065, Attention: Chief Financial Officer, with a copy to its counsel at Wilson Sonsini Goodrich & Rosati, P.C., 650 Page Mill Road, Palo Alto, California 94304, Attention: Elton Satusky, Esq.; *provided, however*, that any notice to an Underwriter pursuant to Section 8 shall be delivered or sent by mail or facsimile transmission to such Underwriter at its address set forth in its acceptance facsimile to Piper Sandler and Guggenheim Securities, which addresses will be supplied to any other party hereto by Piper Sandler and Guggenheim Securities upon request. Any such notices and other communications shall take effect at the time of receipt thereof.

17. Parties. This Agreement shall insure solely to the benefit of, and shall be binding upon, the Underwriters and the Company and the controlling persons, affiliates, directors, officers, employees and agents referred to in Section 8 and Section 9 hereof, and their respective successors and assigns, and no other person shall have or be construed to have any legal or equitable right, remedy or claim under or in respect of or by virtue of this Agreement or any provision herein contained. This Agreement and all conditions and provisions hereof are intended to be for the sole and exclusive benefit of the parties hereto and said controlling persons and their respective successors, officers, directors, heirs and legal representatives, and it is not for the benefit of any other person, firm or corporation. The term "successors and assigns" shall not include a purchaser, in its capacity as such, of Shares from any of the Underwriters.

18. Governing Law and Jurisdiction; Waiver of Jury Trial. **This Agreement shall be governed by and construed in accordance with the laws of the State of New York.** The Company irrevocably (a) submits to the jurisdiction of any court of the State of New York located in the City and County of New York, Borough of Manhattan or any federal courts of the United States of America located in the City and County of New York, Borough of Manhattan for the purpose of any suit, action, or other proceeding arising out of this Agreement, or any of the agreements or transactions contemplated by this Agreement, the Registration Statement and the Prospectus (each, a "**Proceeding**"), (b) agrees that all claims in respect of any Proceeding may be heard and determined in any such court, (c) waives, to the fullest extent permitted by law, any immunity from jurisdiction of any such court or from any legal process therein, (d) agrees not to commence any Proceeding other than in such courts, and (e) waives, to the fullest extent permitted by law, any claim that such Proceeding is brought in an inconvenient forum. **THE COMPANY (ON BEHALF OF ITSELF AND, TO THE FULLEST EXTENT PERMITTED BY LAW, ON BEHALF OF ITS RESPECTIVE EQUITY HOLDERS AND CREDITORS) HEREBY WAIVES ANY RIGHT IT MAY HAVE TO A TRIAL BY JURY IN RESPECT OF ANY CLAIM BASED UPON, ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT AND THE TRANSACTIONS CONTEMPLATED BY THIS AGREEMENT, THE REGISTRATION STATEMENT AND THE PROSPECTUS.**

19. The parties acknowledge and agree that, for purposes of Sections 1(c), 1(d), 1(e) and 8 hereof, the information provided by or on behalf of any Underwriter consists solely of the material included under the captions: "Underwriting—Discounts, Commissions and Expenses" (concerning the selling concession amount) and "Underwriting—Price Stabilization, Short Positions and Penalty Bids" in the Prospectus.

20. Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original, but all such counterparts shall together constitute one and the same instrument. Delivery of a signed counterpart of this Agreement by facsimile or other electronic transmission shall constitute valid and sufficient delivery thereof.

21. Headings. The headings herein are inserted for convenience of reference only and are not intended to be part of, or to affect the meaning or interpretation of, this Agreement.

22. Time is of the Essence. Time shall be of the essence of this Agreement. As used herein, the term "**business day**" shall mean any day when the Commission's office in Washington, D.C. is open for business.

If the foregoing correctly sets forth your understanding, please so indicate in the space provided below for that purpose, whereupon this letter shall constitute a binding agreement among us.

Very truly yours,

SOLENO THERAPEUTICS, INC.

By: /s/ James Mackaness

Name: James Mackaness

Title: Chief Financial Officer

Accepted as of the date first above written

PIPER SANDLER & CO.

By: /s/ Chad Huber

Name: Chad Huber

Title: Managing Director

GUGGENHEIM SECURITIES, INC.

By: /s/ Jordan Bliss

Name: Jordan Bliss

Title: Senior Managing Director

On behalf of itself and the other Underwriters named in Schedule I hereto.

*[Signature Page to Underwriting Agreement]*

SCHEDULE I

Underwriter	Total Number of Firm Shares to be Purchased	Number of Additional Shares to be Purchased if Option is Fully Exercised
Piper Sandler & Co.	1,020,000	153,000
Guggenheim Securities, LLC	1,020,000	153,000
Cantor Fitzgerald & Co.	540,000	81,000
Oppenheimer & Co. Inc.	390,000	58,500
Laidlaw & Company (UK) Ltd.	30,000	4,500
<b>Total</b>	<b>3,000,000</b>	<b>450,000</b>



None.

SCHEDULE III

Firm Shares offered: 3,000,000

Additional Shares offered: 450,000

Offering Price per Firm Share and Additional Share: \$46.00

SCHEDULE IV

Stockholders Executing Lock-Up Agreements

Ernest Mario, Ph.D.

Anish Bhatnagar, M.D.

William G. Harris

Gwen A. Melincoff

Matthew Pauls, JD, M.B.A.

Andrew Sinclair, Ph.D.

Birgitte Volck MD, Ph.D.

James Mackaness

Patricia C. Hirano

Kristen Yen

Entities associated with The Carlyle Group, Inc.

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EXHIBIT A

Subsidiaries

Soleno Therapeutics UK Ltd. (United Kingdom)  
Soleno Therapeutics Europe Ltd. (Ireland)  
Essentialis, Inc. (Delaware)

EXHIBIT B

Form of Lock-Up Agreement

Piper Sandler & Co.  
Guggenheim Securities, LLC

As Representatives of the several  
Underwriters referred to below

c/o Piper Sandler & Co.  
1251 Avenue of the Americas, 7th Floor  
New York, New York 10154

c/o Guggenheim Securities, LLC  
330 Madison Avenue  
New York, New York 10017

Soleno Therapeutics, Inc. - Lock-Up Agreement

\_\_\_\_\_, 2024

Ladies and Gentlemen:

This letter agreement (this “Agreement”) relates to the proposed offering (the “Offering”) by Soleno Therapeutics, Inc., a Delaware corporation (the “Company”), of its common stock, \$0.001 par value per share (the “Stock”) and/or pre-funded warrants to purchase Stock (together, the “Securities”), pursuant to an Underwriting Agreement (the “Underwriting Agreement”) to be entered into between the Company and Piper Sandler & Co. and Guggenheim Securities, LLC, as representatives (the “Representatives”) of the several underwriters named therein (the “Underwriters”).

In order to induce you and the other Underwriters to underwrite the Offering, the undersigned hereby agrees that, without the prior written consent of the Representatives, during the period from the date hereof until 90 days from the date of the final prospectus supplement for the Offering (the “Lock-Up Period”), the undersigned (a) will not, directly or indirectly, offer, sell, agree to offer or sell, solicit offers to purchase, grant any call option or purchase any put option with respect to, pledge, borrow or otherwise dispose of, any Relevant Security (as defined below), and (b) will not establish or increase any “put equivalent position” or liquidate or decrease any “call equivalent position” with respect to any Relevant Security (in each case within the meaning of Section 16 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), and the rules and regulations promulgated thereunder), or otherwise enter into any swap, derivative or other transaction or arrangement that transfers to another, in whole or in part, any economic consequence of ownership of a Relevant Security, whether or not such transaction is to be settled by delivery of Relevant Securities, other securities, cash or other consideration. As used herein “Relevant Security” means the Securities, any other equity security of the Company or any of its subsidiaries and any security convertible into, or exercisable or exchangeable for, any Stock or other such equity security.

The foregoing restrictions in this Agreement shall not apply to:

- a) the transfer of Relevant Securities (i) as a bona fide gift or gifts, (ii) by will, other testamentary document or intestate succession, (iii) to a Family Member (as defined below), (iv) to a trust for the direct or indirect benefit of the undersigned and/or one or more Family Members, (v) by operation of law, including pursuant to a domestic order, divorce settlement, divorce decree, separation agreement or pursuant to an order of a court of competent jurisdiction enforcing such agreement, (vi) to a charitable trust, or (vii) to a corporation, limited liability company or partnership wholly owned by the undersigned and/or one or more Family Members;
- b) the transfer of Relevant Securities (i) to satisfy tax withholding obligations of the undersigned in connection with the vesting or exercise of equity awards by the undersigned existing as of the date of the final prospectus supplement and described or incorporated by reference in the final prospectus supplement, (ii) pursuant to a net exercise or cashless exercise (to satisfy exercise price or related withholding obligations) by the undersigned of outstanding equity awards existing as of the date of the final prospectus supplement and described or incorporated by reference in the final prospectus supplement, provided that any shares of Stock acquired upon the net exercise or cashless exercise of equity awards described in this clause (b) shall be subject to the restrictions set forth in this Agreement;
- c) distributions of Relevant Securities to limited partners, members or stockholders of the undersigned;
- d) transactions relating to Relevant Securities acquired in the Offering or in open market transactions after the closing of the Offering; and
- e) the transfer of Relevant Securities pursuant to a bona fide third-party tender offer for all outstanding shares of the Company, merger, consolidation or other similar transaction made to all holders of the Company's securities involving a change of control of the Company (including, without limitation, the entering into of any lock-up, voting or similar agreement pursuant to which the undersigned may agree to transfer, sell, tender or otherwise dispose of Relevant Securities in connection with such transaction, or vote any Relevant Securities in favor of any transaction), provided that in the event that such tender offer, merger, consolidation or other such transaction is not completed, such securities held by the undersigned shall remain subject to the provisions of this Agreement.

It shall be a further condition to any transfer or distribution pursuant to the preceding clauses (a), (c), or (d) that no public disclosure or filing by any party (donor, donee, transferor or transferee) under the Exchange Act, or other public announcement shall be required or shall be made voluntarily in connection with such transfer or distribution (other than a filing on Form 5 made after the expiration of the Lock-up Period); provided that if the undersigned is required to file a report under Section 16 of the Exchange Act reporting a reduction in beneficial ownership of Relevant Securities during the Lock-Up Period under the preceding clause (b), the undersigned shall include a statement in such schedule or report to the effect that the purpose of such transfer was to cover tax withholding obligations of the undersigned in connection with such vesting or exercise.

It shall be a condition to any transfer or distribution pursuant to each of the preceding clauses (a) or (c) that (x) any such transfer shall not involve a disposition for value and (y) each resulting transferee or donee of Relevant Securities executes and delivers to you an agreement satisfactory to you in which such transferee agrees to be bound by the terms of this Agreement for the remainder of the Lock-Up Period.

For purposes of this Agreement, the term “Family Member” shall mean any relationship by blood, domestic partnership, marriage or adoption not more remote than first cousin.

In addition, the restrictions described in this Agreement shall not apply to the establishment of a trading plan pursuant to Rule 10b5-1 under the Exchange Act, provided that no transfers occur under such plan during the Lock-up Period and no public announcement or filing shall be required or voluntarily made by any person in connection therewith other than general disclosure in Company periodic reports to the effect that the Company directors and officers may enter into such trading plans from time to time.

The undersigned hereby authorizes the Company during the Lock-Up Period to cause any transfer agent for the Relevant Securities to decline to transfer, and to note stop transfer restrictions on the stock register and other records relating to, Relevant Securities for which the undersigned is the record holder and, in the case of Relevant Securities for which the undersigned is the beneficial but not the record holder, agrees during the Lock-Up Period to cause the record holder to cause the relevant transfer agent to decline to transfer, and to note stop transfer restrictions on the stock register and other records relating to, such Relevant Securities. The undersigned hereby further agrees that, without the prior written consent of the Representatives, during the Lock-Up Period the undersigned (x) will not file or participate in the filing with the U.S. Securities and Exchange Commission (the “SEC”) of any registration statement, or circulate or participate in the circulation of any preliminary or final prospectus supplement or other disclosure document with respect to any proposed offering or sale of a Relevant Security and (y) will not exercise any rights the undersigned may have to require registration with the SEC of any proposed offering or sale of a Relevant Security.

It is understood that, if (i) the Company notifies the Underwriters that it does not intend to proceed with the Offering, (ii) the Underwriting Agreement does not become effective, (iii) the Underwriting Agreement (other than the provisions thereof which survive termination) shall terminate or be terminated prior to payment for and delivery of the Securities, or (iv) the closing of the Offering pursuant to the Underwriting Agreement has not occurred by May 31, 2024, the undersigned will be released from its obligations under this Agreement.

The undersigned understands that the Company and the Underwriters will proceed with the Offering in reliance on this Agreement.

Whether or not the Offering actually occurs depends on a number of factors, including market conditions. Any Offering will only be made pursuant to the Underwriting Agreement, the terms of which are subject to negotiation between the Company and the Underwriters.

The undersigned hereby represents and warrants that the undersigned has full power and authority to enter into this Agreement and that this Agreement constitutes the legal, valid and binding obligation of the undersigned, enforceable in accordance with its terms. Upon request, the undersigned will execute any additional documents necessary in connection with enforcement hereof. Any obligations of the undersigned shall be binding upon the successors and assigns of the undersigned from the date first above written.

This Agreement shall be governed by and construed in accordance with the laws of the State of New York. Delivery of a signed copy of this letter by facsimile transmission shall be effective as delivery of the original hereof.

Very truly yours,

By:

Print Name:





Wilson Sonsini Goodrich & Rosati  
Professional Corporation  
650 Page Mill Road  
Palo Alto, California 94304-1050  
O: 650.493.9300  
F: 650.493.6811

May 7, 2024

Soleno Therapeutics, Inc.  
203 Redwood Shores Parkway, Suite 500  
Redwood City, CA 94065

**Re: Registration Statement on Form S-3**

Ladies and Gentlemen:

We have acted as counsel to Soleno Therapeutics, Inc., a Delaware corporation (the "Company"), in connection with the registration of the offer and sale of up to 3,450,000 shares of the Company's common stock (the "Common Stock"), \$0.001 par value per share (the "Shares") pursuant to the Company's shelf Registration Statement on Form S-3 (File No. 333-276344) filed on January 2, 2024, which was automatically declared effective upon filing by the Securities and Exchange Commission (the "Registration Statement").

The offering and sale of the Shares are being made pursuant to the underwriting agreement (the "Underwriting Agreement"), dated as of May 2, 2024, by and among the Company and Piper Sandler & Co. and Guggenheim Securities, LLC, as representatives of the several Underwriters named on Schedule I thereto.

We have examined copies of the Underwriting Agreement, the Registration Statement, the base prospectus that forms a part thereof and the prospectus supplement thereto related to the offering of the Shares, which prospectus supplement is dated May 2, 2024 and was filed by the Company in accordance with Rule 424(b) promulgated under the Securities Act of 1933, as amended. We have also examined instruments, documents and records which we deemed relevant and necessary for the basis of our opinion hereinafter expressed.

In such examination, we have assumed (i) the authenticity of original documents and the genuineness of all signatures, (ii) the conformity to the originals of all documents submitted to us as copies, and (iii) the truth, accuracy, and completeness of the information, representations and warranties contained in the records, documents, instruments and certificates we have reviewed.

Based on and subject to the foregoing, we are of the opinion that the Shares have been duly authorized and, when issued and delivered against payment therefor in accordance with the terms of the Underwriting Agreement, will be validly issued, fully paid and non-assessable.

We express no opinion as to the laws of any other jurisdiction other than the federal laws of the United States of America and the General Corporation Law of the State of Delaware.

AUSTIN BEIJING BOSTON BRUSSELS HONG KONG LONDON LOS ANGELES NEW YORK PALO ALTO  
SAN DIEGO SAN FRANCISCO SEATTLE SHANGHAI WASHINGTON, DC WILMINGTON, DE

We hereby consent to the use of this opinion as an exhibit to the Company's Current Report on Form 8-K filed on or about May 7, 2024, for incorporation by reference into the Registration Statement.

Very truly yours,

/s/ WILSON SONSINI GOODRICH & ROSATI  
Professional Corporation

WILSON SONSINI GOODRICH & ROSATI  
Professional Corporation

## SOLENO THERAPEUTICS ANNOUNCES PRICING OF APPROXIMATELY \$138 MILLION PUBLIC OFFERING OF COMMON STOCK

REDWOOD CITY, Calif., May 2, 2024 (GLOBE NEWSWIRE) — Soleno Therapeutics, Inc. (Nasdaq: SLNO), (“Soleno” or the “Company”), a clinical-stage biopharmaceutical company developing novel therapeutics for the treatment of rare diseases, announced today the pricing of the underwritten public offering of 3,000,000 shares of its common stock at a public offering price of \$46.00 per share. The gross proceeds of the public offering are expected to be approximately \$138.0 million, before deducting underwriting discounts and commissions and other estimated offering expenses. Soleno has also granted the underwriters a 30-day option to purchase up to 450,000 shares of common stock at the public offering price, less underwriting discounts and commissions. The public offering is expected to close on or about May 7, 2024, subject to market conditions and the satisfaction of customary closing conditions.

Piper Sandler, Guggenheim Securities, Cantor Fitzgerald & Co. and Oppenheimer & Co. are acting as joint book-running managers for the public offering. Laidlaw & Company (UK) Ltd. is acting as the lead manager for the public offering.

Soleno intends to use the net proceeds from this offering to fund its current research and development efforts primarily focused on advancing its lead candidate, DCCR tablets for the treatment of Prader-Willi Syndrome (PWS), and to provide for general corporate purposes, which may include working capital, capital expenditures, other clinical trials, other corporate expenses and acquisitions of complementary products, technologies or businesses, though the company does not have agreements or commitments for any specific acquisitions at this time.

The securities described above relating to the public offering are being offered by Soleno pursuant to a registration statement on Form S-3ASR (File No. 333-276344) previously filed with, and automatically declared effective by the Securities and Exchange Commission (the “SEC”) on January 2, 2024, and a preliminary prospectus supplement filed with the SEC on May 2, 2024. A final prospectus supplement and an accompanying prospectus relating to the offering will be filed with the SEC and will be available on the SEC’s website located at <http://www.sec.gov>. When available, copies of the final prospectus supplement and the accompanying prospectus relating to this offering may be obtained from Piper Sandler & Co., 800 Nicollet Mall, J12S03, Minneapolis, MN 55402, Attention: Prospectus Department, by telephone at (800) 747-3924, or by email at [prospectus@psc.com](mailto:prospectus@psc.com); or Guggenheim Securities, LLC, Attention: Equity Syndicate Department, 330 Madison Avenue, 8th floor, New York, NY 10017 by telephone at (212) 518-9544, or by email at [GSEquityProspectusDelivery@guggenheimpartners.com](mailto:GSEquityProspectusDelivery@guggenheimpartners.com). Electronic copies of the final prospectus supplement and accompanying prospectus will also be available on the website of the SEC at [www.sec.gov](http://www.sec.gov).

This press release shall not constitute an offer to sell or the solicitation of an offer to buy, nor shall there be any sale of these securities in any jurisdiction in which such offer, solicitation or sale would be unlawful prior to the registration or qualification under the securities laws of any such jurisdiction. The offering will be made only by means of a prospectus supplement and the accompanying prospectus that forms a part of the registration statement.

**About Soleno Therapeutics, Inc.**

Soleno is focused on the development and commercialization of novel therapeutics for the treatment of rare diseases. The Company’s lead candidate, DCCR (diazoxide choline) extended-release tablets, a once-daily oral tablet for the treatment of Prader-Willi syndrome (PWS), recently completed its Phase 3 development program to support a planned NDA submission.

## Forward-Looking Statements

This press release contains forward-looking statements within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended. All statements other than statements of historical facts contained in this press release are forward-looking statements, including statements regarding the Company's expectations on the completion and timing of the public offering and the anticipated use of proceeds therefrom. In some cases, you can identify forward-looking statements by terms such as "may," "will," "should," "expect," "plan," "anticipate," "could," "intend," "target," "project," "contemplates," "believes," "estimates," "predicts," "potential" or "continue" or the negative of these terms or other similar expressions. These forward-looking statements speak only as of the date of this press release and are subject to a number of risks, uncertainties and assumptions, including the risks and uncertainties associated with market conditions and the satisfaction of customary closing conditions related to the public offering, as well as risks and uncertainties inherent in Soleno's business, including those described in the Company's Annual Report on Form 10-K for the year ended December 31, 2023, prior press releases and in other filings and reports filed with the SEC. The events and circumstances reflected in the Company's forward-looking statements may not be achieved or occur, and actual results could differ materially from those projected in the forward-looking statements. Except as required by applicable law, the Company does not plan to publicly update or revise any forward-looking statements contained herein, whether as a result of any new information, future events, changed circumstances or otherwise.

## Corporate Contact:

Brian Ritchie  
LifeSci Advisors, LLC  
212-915-2578

