

**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): October 20, 2025

Disc Medicine, Inc.

(Exact name of Registrant as Specified in Its Charter)

Delaware
(State or Other Jurisdiction
of Incorporation)

001-39438
(Commission
File Number)

85-1612845
(IRS Employer
Identification No.)

321 Arsenal Street, Suite 101
Watertown, Massachusetts
(Address of Principal Executive Offices)

02472
(Zip Code)

Registrant's Telephone Number, Including Area Code: (617) 674-9274

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

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

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

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

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, par value \$0.0001 per share	IRON	The Nasdaq Global Market

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

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 1.01 Entry into a Material Definitive Agreement.

On October 20, 2025, Disc Medicine, Inc. (the “Company”) entered into an Underwriting Agreement (the “Underwriting Agreement”) with Jefferies LLC, Leerink Partners LLC, Morgan Stanley & Co. LLC and Cantor Fitzgerald & Co., as representatives of the several underwriters listed on Schedule I hereto (the “Underwriters”) and AI DMI LLC, as a selling stockholder (the “Selling Stockholder”), related to an underwritten offering (the “Offering”) (i) by the Company of (a) 2,619,049 shares of common stock of the Company, par value \$0.0001 per share (the “Common Stock”) at a price to the public of \$84.00 per share and (b) in lieu of Common Stock to certain investors, pre-funded warrants to purchase an aggregate of 59,523 shares of Common Stock (the “Pre-Funded Warrants”) at a price to the public of \$83.9999 per Pre-Funded Warrant, which represents the per share public offering price for the Common Stock less the \$0.0001 per share exercise price for each such Pre-Funded Warrant, and (ii) by the Selling Stockholder of 297,619 shares of Common Stock at a price to the public of \$84.00 per share. In addition, the Selling Stockholder granted the Underwriters an option exercisable for 30 days from the date of the Underwriting Agreement to purchase, at the public offering price less any underwriting discounts and commissions, up to an additional 446,428 shares of Common Stock, which the Underwriters exercised in full on October 21, 2025.

The net proceeds to the Company from the Offering are expected to be approximately \$210.9 million, after deducting the underwriting discount and estimated offering expenses. The Company will receive nominal proceeds, if any, from the exercise of the Pre-Funded Warrants. The Company will not receive any proceeds from the sale of shares by the Selling Stockholder. The Company expects that its cash, cash equivalents and marketable securities, together with the estimated net proceeds from the Offering, will be sufficient to fund its current operating and capital expenditure plans into 2029, without taking into account any potential cash inflows from bitopertin or any other marketed product, if approved during such period. The Offering is expected to close on October 22, 2025.

Each Pre-Funded Warrant will be exercisable for one share of Common Stock at an exercise price of \$0.0001 per share, or alternatively, at the election of each holder, shares of Common Stock may be issued through a cashless exercise, with the net number of shares of Common Stock determined according to the formula set forth in each Pre-Funded Warrant. The Pre-Funded Warrants will be immediately exercisable and may be exercised at any time until all of the Pre-Funded Warrants are exercised in full. A holder (together with its “attribution parties,” as defined in the Pre-Funded Warrant) may not exercise any portion of the Pre-Funded Warrants if immediately after exercise, the holder (together with its attribution parties), would beneficially own in excess of 24.99% of the number of shares of Common Stock outstanding immediately after giving effect to the exercise (the “Ownership Limit”). Purchasers of the Pre-Funded Warrants may also elect to set the initial Ownership Limit at 4.99%, 9.99% or 19.99%. Upon at least 61 days’ prior notice from the holder to the Company, the holder may increase or decrease the Ownership Limit up to 24.99%, provided however that purchasers that select an Ownership Limit of 19.99% or less will only be allowed to increase the Ownership Limit above 19.99% if such increase would not result in a change of control under the rules and regulations of the Nasdaq Stock Market LLC.

In addition, if the exercise of a Pre-Funded Warrant would result in a holder of Pre-Funded Warrants (together with its attribution parties) acquiring beneficial ownership of Common Stock (together with all other equity owned by such holder at such time) equal to or in excess of the notification threshold applicable to such holder (the “HSR Threshold”) under the Hart-Scott-Rodino Antitrust Improvements Act of 1976, as amended (the “HSR Act”), as of the date of delivery of the applicable exercise notice, and no exemption to filing a notice and report form under the HSR Act is applicable, then only such portion of the Pre-Funded Warrants held by such holder, which when exercised does not exceed the HSR Threshold, shall be exercisable and the applicable exercise notice shall be deemed to relate only to such portion of the Pre-Funded Warrants, and the remaining portion of the Pre-Funded Warrants in excess of the HSR Threshold shall not be exercisable until the expiration or early termination of the applicable waiting period under the HSR Act or receipt of applicable approval. For certain holders of Pre-Funded Warrants, upon expiration or early termination of the applicable waiting period under the HSR Act or receipt of applicable approval, such holder shall no longer be subject to either the HSR Threshold or the Ownership Limit. The Company does not intend to list the Pre-Funded Warrants on the Nasdaq Global Market, any other national securities exchange or any other nationally recognized trading system.

The Company made certain customary representations, warranties and covenants concerning the Company and the registration statement in the Underwriting Agreement and also agreed to indemnify the Underwriters against certain liabilities, including liabilities under the Securities Act of 1933, as amended (the “Securities Act”). The Selling Stockholder also made certain customary representations, warranties and covenants and agreed to indemnify the Underwriters against certain liabilities, including liabilities under the Securities Act. The offering of securities by the Company is being made pursuant to the Company’s automatic shelf registration statement on Form S-3 (File No. 333-281359), filed with the Securities and Exchange Commission (the “Commission”) on August 8, 2024, and, with respect to the shares being offered by the Selling Stockholder, the Company’s resale registration statement on Form S-3 (File No. 333-269270), filed with the Commission on January 17, 2023, as supplemented by a final prospectus supplement dated October 20, 2025, filed on October 21, 2025. This Current Report on Form 8-K does not constitute an offer to sell or a solicitation of an offer to buy any of the shares of Common Stock or the Pre-Funded Warrants.

The foregoing description of certain terms of the Underwriting Agreement and the transactions contemplated thereby does not purport to be complete and is subject to, and qualified in its entirety by, the full text of the Underwriting Agreement, which is attached as Exhibit 1.1 hereto and is incorporated by reference herein. The form of Pre-Funded Warrant to Purchase Common Stock is filed as Exhibit 4.1 to this Current Report on Form 8-K and is incorporated herein by reference, and the foregoing description of the terms of the Pre-Funded Warrants is qualified in its entirety by reference to such exhibit. A copy of the opinion of Goodwin Procter LLP, relating to the legality of the shares of Common Stock, the Pre-Funded Warrants and the shares of Common Stock issuable upon exercise of the Pre-Funded Warrants, is filed as Exhibit 5.1 hereto and is incorporated by reference herein.

Item 8.01 Other Events.

On October 20, 2025, the Company issued a press release announcing the commencement of the Offering. On October 21, 2025, the Company issued a press release announcing that it had priced the Offering. Copies of these press releases are attached hereto as Exhibit 99.1 and Exhibit 99.2, respectively, and are incorporated by reference herein.

Cautionary Statement Regarding Forward-Looking Statements

This Current Report on Form 8-K contains “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995, including, but not limited to, express or implied statements regarding the Company’s anticipated cash runway. The use of words such as, but not limited to, “believe,” “expect,” “estimate,” “project,” “intend,” “future,” “potential,” “continue,” “may,” “might,” “plan,” “will,” “should,” “seek,” “anticipate,” or “could” or the negative of these terms and other similar words or expressions are intended to identify forward-looking statements. Forward-looking statements are neither historical facts nor assurances of future performance. Instead, they are based on the Company’s current beliefs, expectations and assumptions regarding the future of the Company’s business, future plans and strategies, clinical results and other future conditions. New risks and uncertainties may emerge from time to time, and it is not possible to predict all risks and uncertainties. No representations or warranties (expressed or implied) are made about the accuracy of any such forward-looking statements.

The Company may not actually achieve the plans, intentions or expectations disclosed in these forward-looking statements, and investors should not place undue reliance on these forward-looking statements. Actual results or events could differ materially from the plans, intentions and expectations disclosed in the forward-looking statements as a result of a number of material risks and uncertainties including but not limited to: the nature, strategy and focus of the Company; the difficulty in predicting the time and cost of development of the Company’s product candidates; the Company’s plans to research, develop and commercialize its current and future product candidates; the timing of initiation of the Company’s planned preclinical studies and clinical trials; the timing of the availability of data from the Company’s clinical trials; the Company’s ability to identify additional product candidates with significant commercial potential and to expand its pipeline in hematological diseases; the timing and anticipated results of the Company’s preclinical studies and clinical trials and the risk that the results of the Company’s preclinical studies and clinical trials may not be predictive of future results in connection with future studies or clinical trials and may not support further development and marketing approval; the content and timing of decisions made by the U.S. Food and Drug Administration and other regulatory authorities; and the other risks and uncertainties described in the Company’s filings with the Securities and Exchange Commission, including in the “Risk Factors” section of the Company’s Annual Report on Form 10-K for the year ended December 31, 2024 and in the Company’s Quarterly Report on Form 10-Q for the quarterly period ended June 30, 2025. Any forward-looking statement speaks only as of the date on which it was made. None of the Company, nor its affiliates, advisors or representatives, undertake any obligation to publicly update or revise any forward-looking statement, whether as result of new information, future events or otherwise, except as required by law.

Item 9.01 Exhibits.

(d) Exhibits

<u>Exhibit No.</u>	<u>Description</u>
1.1	Underwriting Agreement, dated as of October 20, 2025, by and among the Company, AI DMI LLC and Jefferies LLC, Leerink Partners LLC, Morgan Stanley & Co. LLC and Cantor Fitzgerald & Co., as representatives of the several underwriters listed on Schedule I thereto.
4.1	Form of Pre-Funded Warrant.
5.1	Opinion of Goodwin Procter LLP regarding the issue of Common Stock, Pre-Funded Warrants and Common Stock issuable upon exercise of the Pre-Funded Warrants being registered.
23.1	Consent of Goodwin Procter LLP (included in Exhibit 5.1).
99.1	Press release announcing the Offering, dated October 20, 2025.
99.2	Press release announcing the pricing of the Offering, dated October 21, 2025.
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

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.

DISC MEDICINE, INC.

Date: October 22, 2025

By: /s/ John Quisel
Name: John Quisel, J.D., Ph.D.
Title: Chief Executive Officer

October 20, 2025

Jefferies LLC
Leerink Partners LLC
Morgan Stanley & Co. LLC
Cantor Fitzgerald & Co.

c/o Jefferies LLC
520 Madison Avenue
New York, New York 10022

c/o Leerink Partners LLC
53 State Street, 40th Floor
Boston, Massachusetts, 02109

c/o Morgan Stanley & Co. LLC
1585 Broadway, 29th Floor
New York, New York 10036

c/o Cantor Fitzgerald & Co.
110 East 59th Street, 6th Floor
New York, New York 10022

Ladies and Gentlemen:

Disc Medicine, Inc., a Delaware corporation (the “**Company**”), proposes to issue and sell to the several Underwriters named in Schedule I hereto (the “**Underwriters**”) (a) 2,619,049 shares of its common stock, par value \$0.0001 per share (the “**Company Shares**”) and (b) pre-funded warrants to purchase up to 59,523 shares of the Company’s common stock, par value \$0.0001 per share, in a form to be mutually agreed upon by the Company and the Representatives (as defined below) (the “**Pre-Funded Warrants**”) at an exercise price of \$0.0001; and AI DMI LLC (the “**Selling Stockholder**”) severally proposes to sell to the Underwriters an aggregate of 297,619 shares of the Company’s common stock, par value \$0.0001 per share (together with the Company Shares, the “**Firm Shares**” and, collectively with the Pre-Funded Warrants, the “**Firm Securities**”).

The Selling Stockholder proposes to sell to the Underwriters not more than an additional 446,428 shares of the Company’s common stock, par value \$0.0001 per share (the “**Additional Shares**”), if and to the extent that Jefferies LLC, Leerink Partners LLC, Morgan Stanley & Co. LLC and Cantor Fitzgerald & Co. (together, the “**Representatives**”), as representatives of the offering, shall have determined to exercise, on behalf of the Underwriters, the right to purchase such shares of common stock granted to the Underwriters in Section 3 hereof. The Firm Shares and the Additional Shares are

hereinafter collectively referred to as the “**Shares**” and, together with the Pre-Funded Warrants, the “**Securities**.” The shares of the Company’s common stock, par value \$0.0001 per share, issuable upon exercise of the Pre-Funded Warrants are herein referred to as the “**Warrant Shares**.” The shares of common stock, par value \$0.0001 per share, of the Company to be outstanding after giving effect to the sales contemplated hereby are hereinafter referred to as the “**Common Stock**.”

The Company has filed with the Securities and Exchange Commission (the “**Commission**”) a registration statement, including a prospectus, on Form S-3 (File No. 333-281359), relating to the various securities (the “**Shelf Securities**”), including the Securities, to be issued from time to time by the Company. The registration statement as amended to the date of this Agreement, including the information (if any) deemed to be part of the registration statement at the time of effectiveness pursuant to Rule 430A or Rule 430B under the Securities Act of 1933, as amended (the “**Securities Act**”), is hereinafter referred to as the “**Company Registration Statement**,” and the related prospectus covering the Shelf Securities dated August 8, 2024 is hereinafter referred to as the “**Company Basic Prospectus**.” The Company has also filed with the Commission a registration statement, including a prospectus, on Form S-3 (File No. 333-269270), relating to Shares owned by certain stockholders of the Company (the “**Resale Shelf Securities**”), including the Securities to be sold by the Selling Stockholder. The registration statement as amended to the date of this Agreement, including the information (if any) deemed to be part of the registration statement at the time of effectiveness pursuant to Rule 430A or Rule 430B under the Securities Act is hereinafter referred to as the “**Selling Stockholder Registration Statement**,” and the related prospectus covering the Resale Shelf Securities dated January 24, 2023 is hereinafter referred to as the “**Selling Stockholder Basic Prospectus**.”

The Company Registration Statement and the Selling Stockholder Registration Statement are hereinafter collectively referred to as the “**Registration Statements**,” and the Company Basic Prospectus and the Selling Stockholder Basic Prospectus are hereinafter collectively referred to as the “**Basic Prospectuses**.” The Basic Prospectuses, as supplemented by the prospectus supplement specifically relating to the Securities in the form first used to confirm sales of the Securities (or in the form first made available to the Underwriters by the Company to meet requests of purchasers pursuant to Rule 173 under the Securities Act) is hereinafter referred to as the “**Prospectus**,” and the term “**preliminary prospectus**” means any preliminary form of the Prospectus.

For purposes of this Agreement, “**free writing prospectus**” has the meaning set forth in Rule 405 under the Securities Act, “**Time of Sale Prospectus**” means the Basic Prospectuses as supplemented by the documents and pricing information set forth in Schedule II hereto, and “**broadly available road show**” means a “**bona fide electronic road show**” as defined in Rule 433(h)(5) under the Securities Act that has been made available without restriction to any person. As used herein, the terms “**Registration Statements**,” “**Basic Prospectuses**,” “**preliminary prospectus**,” “**Time of Sale Prospectus**” and “**Prospectus**” shall include the documents, if any, incorporated by reference therein as of the date hereof. The terms “**supplement**,” “**amendment**” and “**amend**” as used herein with respect to the Registration Statements, the Prospectus, the Time of Sale Prospectus or the Prospectus shall include all documents subsequently filed by the Company with the Commission pursuant to the Securities Exchange Act of 1934, as amended (the “**Exchange Act**”), that are deemed to be incorporated by reference therein.

1. *Representations and Warranties of the Company.* The Company represents and warrants to and agrees with each of the Underwriters that:

(a) The Registration Statements have become effective; no stop order suspending the effectiveness of the Registration Statements is in effect, and no proceedings for such purpose or pursuant to Section 8A under the Securities Act are pending before or, to the knowledge of the Company, threatened by the Commission. At the time the Company Registration Statement was effective and at the time the Company's most recent annual report on Form 10-K was filed with the Commission, if later, the Company was, or will be, a "well known seasoned issuer" as defined in Rule 405 under the Securities Act and met or will meet the then applicable requirements for the use of Form S-3 under the Securities Act, including, but not limited to, General Instruction I.B.1 of Form S-3. The Company Registration Statement is an "automatic shelf registration statement," as defined in Rule 405 under the Securities Act, and became effective upon filing. The Company has not received from the Commission any notice pursuant to Rule 401(g)(2) under the Securities Act objecting to the Company's use of the automatic shelf registration form. The Company is not a shell company (as defined in Rule 405) and has not been a shell company for at least 12 calendar months previously.

(b) (i) Each document, if any, filed or to be filed pursuant to the Exchange Act and incorporated by reference in the Time of Sale Prospectus or the Prospectus complied or will comply when so filed in all material respects with the Exchange Act and the applicable rules and regulations of the Commission thereunder, (ii) each of the Registration Statements, when it became effective, did not contain and, as amended or supplemented, if applicable, will not contain any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading, (iii) the Registration Statements and the Prospectus comply and, as amended or supplemented, if applicable, will comply in all material respects with the Securities Act and the applicable rules and regulations of the Commission thereunder, (iv) the Time of Sale Prospectus does not, and at the time of each sale of the Securities in connection with the offering when the Prospectus is not yet available to prospective purchasers and at the Closing Date (as defined in Section 5), the Time of Sale Prospectus, as then amended or supplemented by the Company, if applicable, will not, contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading, (v) the Prospectus does not contain and, as amended or supplemented, if applicable, will not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading and (vi) each broadly available road show, if any, when considered together with the Time of Sale Prospectus, does not contain any untrue statement of a

material fact or omit to state a material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading, except that the representations and warranties set forth in this paragraph do not apply to statements or omissions in the Registration Statements, the Time of Sale Prospectus or the Prospectus based upon information relating to any Underwriter furnished to the Company in writing by or on behalf of such Underwriter through the Representatives expressly for use therein, it being understood and agreed upon that the only such information in the Prospectus furnished on behalf of each Underwriter is the concession figure appearing in the third paragraph under the caption “Underwriting,” the information regarding stabilizing transactions contained in the fifteenth paragraph under the caption “Underwriting” and the information regarding selling restrictions contained in the nineteenth and twentieth paragraphs under the caption “Underwriting” (the “**Underwriter Information**”).

(c) The Company is not an “ineligible issuer” in connection with the offering pursuant to Rules 164, 405 and 433 under the Securities Act. Any free writing prospectus that the Company is required to file pursuant to Rule 433(d) under the Securities Act has been, or will be, filed with the Commission in accordance with the requirements of the Securities Act and the applicable rules and regulations of the Commission thereunder. Each free writing prospectus that the Company has filed, or is required to file, pursuant to Rule 433(d) under the Securities Act or that was prepared by or on behalf of or used or referred to by the Company complies or will comply in all material respects with the requirements of the Securities Act and the applicable rules and regulations of the Commission thereunder. Except for the free writing prospectuses, if any, identified in Schedule II hereto, and electronic road shows, if any, each furnished to the Representatives before first use, the Company has not prepared, used or referred to, and will not, without the Representatives’ prior consent, prepare, use or refer to, any free writing prospectus.

(d) Each preliminary prospectus filed as part of the Registration Statements as originally filed or as part of any amendment thereto, or filed pursuant to Rule 424 under the Securities Act, complied when so filed in all material respects with the Securities Act and the applicable rules and regulations of the Commission thereunder.

(e) From the time of initial confidential submission of the Company’s Registration Statement on Form S-1 (File No. 333-240098) to the Commission through December 31, 2024, the Company was an “emerging growth company,” as defined in Section 2(a) of the Securities Act (an “**Emerging Growth Company**”).

(f) The interactive data in eXtensible Business Reporting Language included or incorporated by reference in the Registration Statements, Time of Sale Prospectus 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.

(g) The Company is subject to and in compliance in all material respects with the reporting requirements of Section 13 or Section 15(d) of the Exchange Act. The Common Stock is registered pursuant to Section 12(b) of the Exchange Act and is listed on the Nasdaq Global Market (“**Nasdaq**”), and the Company has taken no action designed to, or reasonably likely to have the effect of, terminating the registration of the Common Stock under the Exchange Act or delisting the Common Stock from Nasdaq, nor has the Company received any notification that the Commission or Nasdaq is contemplating terminating such registration or listing. The Company is in compliance with the current listing standards of Nasdaq. The Company has filed a Notification of Listing of Additional Shares with Nasdaq with respect to the Shares and the Warrant Shares.

(h) No person (as such term is defined in Rule 1-02 of Regulation S-X promulgated under the Securities Act) has the right to act as an underwriter or as a financial advisor to the Company in connection with the offer and sale of the Securities hereunder, whether as a result of the filing or effectiveness of the Registration Statements or the sale of the Securities as contemplated hereby or otherwise. Except for the Underwriters, there is no broker, finder or other party that is entitled to receive from the Company or any of its Subsidiaries (as defined below) any brokerage or finder’s fee or other fee or commission as a result of any transactions contemplated by this Agreement.

(i) The Company has been duly incorporated, is validly existing as a corporation in good standing under the laws of the jurisdiction of its incorporation, has the corporate power and authority to own, lease and operate its property and to conduct its business as described in each of the Registration Statements, the Time of Sale Prospectus and the Prospectus and to enter into and perform its obligations under this Agreement. The Company is duly qualified to transact business and is in good standing in each jurisdiction in which the conduct of its business or its ownership or leasing of property requires such qualification, except to the extent that the failure to be so qualified or be in good standing would not reasonably be expected to, singly or in the aggregate, have a material adverse effect on the condition (financial or otherwise), earnings, results of operations, business, prospects, properties, operations, assets, liabilities or prospects of the Company and its Subsidiaries, taken as a whole, whether or not arising from transactions in the ordinary course of business (a “**Material Adverse Effect**”).

(j) Each of the Company’s “subsidiaries” (for purposes of this Agreement, as defined in Rule 405 under the Securities Act) (each, a “**Subsidiary**” and, collectively, the “**Subsidiaries**”) has been duly incorporated, organized or formed and is validly existing in good standing (where such concept exists) under the laws of the jurisdiction of its incorporation or organization and has full power and authority to acquire, own, lease and operate its properties, and to conduct its business as described in the Registration Statements, the Time of Sale Prospectus and the Prospectus. Each Subsidiary is duly qualified to transact business and is in good standing (where such concept exists) under the laws of each jurisdiction that requires such qualification, whether by reason of the ownership or leasing of property or the conduct of business, except to the extent that the failure to be so qualified or in good standing could not reasonably be expected, individually or in the aggregate, to have a Material Adverse

Effect. All of the issued and outstanding share capital or other equity or ownership interests of each Subsidiary has been duly authorized and validly issued, is fully paid and nonassessable, has been issued in compliance with federal state and securities laws and is owned by the Company, directly or through other wholly-owned Subsidiaries, free and clear of any security interest, mortgage, pledge, lien, encumbrance or adverse claim. Except for Disc Medicine Opco, Inc., a Delaware corporation, Disc Medicine B.V., a Netherlands private limited company, Disc Medicine Securities Corp., a Massachusetts corporation, Disc Medicine Pty Ltd, an Australian proprietary limited company, Kurome Therapeutics, Inc., a Delaware corporation and KuromeTx Australia Pty Ltd, an Australian proprietary limited company, the Company does not own or control, directly or indirectly, any corporation, association or other entity. Only Disc Medicine Opco, Inc. constitutes a “significant subsidiary” within the meaning of Rule 1-02 of Regulation S-X. No Subsidiary is prohibited or restricted, directly or indirectly, from paying dividends to the Company, from making any other distribution with respect to such Subsidiary’s equity securities, from repaying to the Company or any other Subsidiary any amounts that may from time to time become due under any loans or advances to such Subsidiary from the Company or from transferring any property or assets to the Company or to any other Subsidiary.

(k) The authorized capital stock of the Company conforms as to legal matters to the description thereof contained in each of the Registration Statements, the Time of Sale Prospectus and the Prospectus.

(l) The Common Stock conforms in all material respects to the description thereof contained in the Registration Statements, the Time of Sale Prospectus and the Prospectus, including under the heading “Description of Capital Stock.” All of the issued and outstanding share capital or other equity or ownership interest of the Company (including the Common Stock) has been duly authorized and validly issued and is fully paid and nonassessable, has been issued in compliance with all federal, state and local securities laws and is free and clear of any security interest, mortgage, pledge, lien, encumbrance or adverse claim. None of the outstanding shares of capital stock of the Company were issued in violation of any preemptive rights, rights of first refusal or other similar rights to subscribe for or purchase securities of the Company. The descriptions of the Company’s equity incentive plan, stock option plans and other stock plans or arrangements described in the Prospectus and in effect as of the date hereof (collectively, the “**Stock Plans**”) and the options or other rights granted thereunder, set forth in the Registration Statements and the Prospectus accurately and fairly present the information required to be shown with respect to such Stock Plans and the options or other rights granted thereunder.

(m) The Shares have been duly authorized and, when issued, delivered and paid for in accordance with the terms of this Agreement, will be validly issued, fully paid and non-assessable, and the issuance of the Securities will not be subject to any preemptive or similar rights that have not been validly waived. This Agreement has been duly authorized, executed and delivered by the Company.

(n) The Pre-Funded Warrants conform in all material respects to the description thereof contained in the Time of Sale Prospectus and the Prospectus, including under the heading "Description of Warrants." The Pre-Funded Warrants have been duly authorized and, when executed and delivered by the Company in accordance with this Agreement, will be valid and legally binding agreements of the Company, enforceable against the Company in accordance with their terms except as the enforcement thereof may be limited by applicable bankruptcy, insolvency, reorganization, moratorium or other similar laws relating to or affecting the rights and remedies of creditors or by general equitable principles. The maximum number of Warrant Shares to be issued by the Company upon exercise of the Pre-Funded Warrants in accordance therewith have been duly authorized and have been reserved for issuance upon exercise of the Pre-Funded Warrants in a number sufficient to meet the current exercise requirements. The Warrant Shares, when issued and delivered upon exercise of the Pre-Funded Warrants in accordance therewith, will be validly issued, fully paid and non-assessable, and the issuance of the Warrant Shares is not subject to any preemptive or similar rights not otherwise validly waived or satisfied.

(o) The Company is not, and after giving effect to the offering and sale of the Securities and the application of the proceeds thereof as described in each of the Registration Statements, the Time of Sale Prospectus and the Prospectus will not be, required to register as an "investment company" as such term is defined in the Investment Company Act of 1940, as amended.

(p) The execution and delivery by the Company of, and the performance by the Company of its obligations under, this Agreement will not contravene any provision of (i) applicable law, (ii) the certificate of incorporation or by laws of the Company, (iii) any agreement or other instrument binding upon the Company or its Subsidiaries that is material to the Company and its Subsidiaries, taken as a whole, or (iv) any judgment, order or decree of any governmental body, agency or court having jurisdiction over the Company or its Subsidiaries, except that, in the case of clause (i) and (iii), as would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect on the Company or on the power and ability of the Company to perform its obligations under this Agreement, and no consent, approval, authorization or order of, or qualification with, any governmental body, agency or court is required for the performance by the Company of its obligations under this Agreement, except such as may be required by the securities or Blue Sky laws of the various states in connection with the offer and sale of the Securities.

(q) There has not occurred any Material Adverse Effect, or any development involving a prospective Material Adverse Effect, in the condition, financial or otherwise, or in the earnings, business or operations of the Company and its subsidiaries, taken as a whole, from that set forth in the Time of Sale Prospectus.

(r) There are no contracts, agreements or understandings between the Company and any person granting such person the right to require the Company to file a registration statement under the Securities Act with respect to any securities of the Company or to require the Company to include such securities with the Securities registered pursuant to the Registration Statements except as have been validly waived or complied with in connection with the issuance and sale of the Securities contemplated hereby.

(s) The consolidated financial statements included in each of the Registration Statements, the Time of Sale Prospectus and the Prospectus, together with the related schedules and notes thereto, comply as to form in all material respects with the applicable accounting requirements of the Securities Act and present fairly in all material respects the consolidated financial position of the Company and its Subsidiaries as of the dates shown and its results of operations and cash flows for the periods shown, and such financial statements have been prepared in conformity with generally accepted accounting principles in the United States (“**U.S. GAAP**”) applied on a consistent basis throughout the periods covered thereby except for any normal year-end adjustments in the Company’s quarterly financial statements. The other financial information included in each of the Registration Statements, the Time of Sale Prospectus and the Prospectus comply with the requirements of Regulation S-X of the Securities Act, including, without limitation, Article 11 thereof, fairly present the information set forth herein, and the assumptions used in the preparation of such pro forma financial statements and data are reasonable, the pro forma adjustments used therein are appropriate to give effect to the circumstances referred to therein and the pro forma adjustments have been properly applied to the historical amounts in the compilation of those statements and data. There are no financial statements (historical or pro forma) that are required to be included or incorporated by reference in the Registration Statements, the Time of Sale Prospectus or the Prospectus that are not included or incorporated by reference therein as required. The Company and the Subsidiaries do not have any material liabilities or obligations, direct or contingent (including any off-balance sheet obligations), not disclosed in the Registration Statements, the Time of Sale Prospectus and the Prospectus. All disclosures contained in the Registration Statements, the Time of Sale Prospectus or the Prospectus that contain “non-GAAP financial measures” (as such term is defined by the rules and regulations of the Commission) comply, in all material respects, with Regulation G under the Exchange Act and Item 10 of Regulation S-K under the Securities Act, to the extent applicable. The statistical, industry-related and market-related data included in each of the Registration Statements, the Time of Sale Prospectus and the Prospectus are based on or derived from sources which the Company reasonably and in good faith believes are reliable and accurate and such data is consistent with the sources from which they are derived, in each case in all material respects and the Company has obtained the written consent to the use of such data from such sources to the extent required. To the Company’s knowledge, no person who has been suspended or barred from being associated with a registered public accounting firm, or who has failed to comply with any sanction pursuant to Rule 5300 promulgated by the Public Company Accounting Oversight Board (“**PCAOB**”), has participated in or otherwise aided the preparation of, or audited, the financial statements, supporting schedules or other financial data filed with the Commission as a part of the Registration Statements and the Prospectus.

(t) There are no legal or governmental proceedings pending or, to the knowledge of the Company, threatened to which the Company or any of its subsidiaries is a party or to which any of the properties of the Company or any of its subsidiaries is subject (i) other than proceedings accurately described in all material respects in each of the Registration Statements, the Time of Sale Prospectus and the Prospectus and proceedings that would not reasonably be expected to, singly or in the aggregate, have a Material Adverse Effect on the Company and its subsidiaries, taken as a whole, or on the power or ability of the Company to perform its obligations under this Agreement or to consummate the transactions contemplated by each of the Registration Statements, the Time of Sale Prospectus and the Prospectus or (ii) that are required to be described in the Registration Statements, the Time of Sale Prospectus or the Prospectus and are not so described in all material respects; and there are no statutes, regulations, contracts or other documents that are required to be described in the Registration Statements, the Time of Sale Prospectus or the Prospectus or to be filed as exhibits to the Registration Statements that are not described in all material respects or filed as required.

(u) Ernst & Young LLP, who have certified certain financial statements of the Company and its Subsidiaries and delivered its report with respect to the audited consolidated financial statements and schedules filed with the Commission as part of the Registration Statements and included in each of the Registration Statements, the Time of Sale Prospectus and the Prospectus, is an independent registered public accounting firm with respect to the Company within the meaning of the Securities Act and the applicable rules and regulations thereunder adopted by the Commission and the PCAOB. Ernst & Young LLP has not been engaged by the Company to perform any “prohibited activities” or provided to the Company any “non-audit services” (as defined in Section 10A of the Exchange Act).

(v) There are no transfer taxes or other similar fees or charges under federal law, the laws of any state, any foreign law, or any political subdivision thereof, required to be paid in connection with the execution and delivery of this Agreement or the issuance by the Company or sale by the Company of the Securities.

(w) No material labor dispute with the employees of the Company or any of its Subsidiaries exists or, to the knowledge of the Company, is imminent; and the Company is not aware of any existing, threatened or imminent labor disturbance by the employees of any of its principal suppliers, manufacturers or contractors that could, singly or in the aggregate, have a Material Adverse Effect on the Company and its Subsidiaries, taken as a whole.

(x) The Company and its Subsidiaries are insured by insurers of recognized financial responsibility against such losses and risks and in such amounts as are prudent and customary in the businesses in which they are engaged; neither the Company nor its Subsidiaries has been refused any insurance coverage sought or applied for; and neither the Company nor its Subsidiaries has any reason to believe that it will not be able to renew its existing insurance coverage as and when such coverage expires or to obtain similar coverage from similar insurers as may be necessary to continue its business at a cost that would not reasonably be expected to, singly or in the aggregate, have a Material Adverse Effect on the Company and its Subsidiaries, taken as a whole.

(y) The Company and its Subsidiaries have good and marketable title in fee simple to all real property and good and marketable title to all personal property owned by them which is material to the business of the Company and its Subsidiaries, in each case free and clear of all liens, encumbrances and defects except such as do not materially affect the value of such property and do not interfere in any material respect with the use made and proposed to be made of such property by the Company and its Subsidiaries; and any real property and buildings held under lease by the Company and its Subsidiaries are held by them under valid, subsisting and enforceable leases with such exceptions as are not material and do not interfere in any material respect with the use made and proposed to be made of such property and buildings by the Company and its Subsidiaries.

(z) The Company and its Subsidiaries possess and are operating in material compliance with all certificates, authorizations and permits issued by the appropriate federal, state or foreign regulatory authorities necessary to conduct their respective businesses as described in the Registration Statements, the Time of Sale Prospectus and the Prospectus, and neither the Company nor its Subsidiaries has received any written notice of proceedings relating to the revocation or modification of, or material non-compliance with, any such material certificate, authorization or permit which, singly or in the aggregate, if the subject of an unfavorable decision, ruling or finding, would have a Material Adverse Effect on the Company and its Subsidiaries, taken as a whole.

(aa) The Company and each of its Subsidiaries maintain a system of internal accounting controls sufficient to provide reasonable assurance that: (i) transactions are executed in accordance with management's general or specific authorizations; (ii) transactions are recorded as necessary to permit preparation of financial statements in conformity with U.S. GAAP and to maintain asset accountability; (iii) access to assets is permitted only in accordance with management's general or specific authorization; and (iv) the recorded accountability for assets is compared with existing assets at reasonable intervals and appropriate action is taken with respect to any differences. Except as disclosed in the Registration Statements, the Time of Sale Prospectus and the Prospectus, since the end of the Company's most recent audited fiscal year, (i) there has been (x) no material weakness in the Company's internal control over financial reporting (whether or not remediated) and (y) 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; and (ii) the interactive data in the eXtensible Business Reporting Language included or incorporated by reference in the Registration Statements, the Time of Sale Prospectus and the Prospectus fairly presents the information called for in all respects and has been prepared in accordance with the Commission's rules and guidelines applicable thereto.

(bb) Neither the Company, nor any of its Subsidiaries, nor to the knowledge of the Company, any of its or their respective directors, officers or controlling persons has taken, directly or indirectly, without giving effect to any actions taken by the Underwriters, (i) any action designed to or that might constitute or reasonably be expected to cause or result in, under the Exchange Act or otherwise, stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of the Securities or (ii) any action designed to or that might constitute or reasonably be expected to cause or result in a violation of Regulation M under the Exchange Act.

(cc) The Company and its Subsidiary (i) are in compliance with any and all applicable foreign, federal, state and local laws and regulations relating to the protection of human health and safety, the environment or hazardous or toxic substances or wastes, pollutants or contaminants (“**Environmental Laws**”), (ii) have received all permits, licenses or other approvals required of them under applicable Environmental Laws to conduct their respective businesses and (iii) are in compliance with all terms and conditions of any such permit, license or approval, except where such noncompliance with Environmental Laws, failure to receive required permits, licenses or other approvals or failure to comply with the terms and conditions of such permits, licenses or approvals would not, singly or in the aggregate, reasonably be expected to have a Material Adverse Effect on the Company and its Subsidiaries, taken as a whole.

(dd) There are no costs or liabilities associated with Environmental Laws (including, without limitation, any capital or operating expenditures required for clean up, closure of properties or compliance with Environmental Laws or any permit, license or approval, any related constraints on operating activities and any potential liabilities to third parties) which would, singly or in the aggregate, reasonably be expected to have a Material Adverse Effect on the Company and its Subsidiaries, taken as a whole.

(ee) None of the following events has occurred or exists: (i) a failure to fulfill the obligations, if any, under the minimum funding standards of Section 302 of the United States Employee Retirement Income Security Act of 1974, as amended (“**ERISA**”), and the regulations and published interpretations thereunder with respect to a Plan that is required to be funded, determined without regard to any waiver of such obligations or extension of any amortization period that would reasonably be expected to have a Material Adverse Effect; (ii) an audit or investigation by the Internal Revenue Service, the U.S. Department of Labor, the Pension Benefit Guaranty Corporation or any other federal or state governmental agency or any foreign regulatory agency with respect to the employment or compensation of employees by any of the Company or its Subsidiaries that would reasonably be expected to have a Material Adverse Effect; (iii) any breach of any contractual obligation, or any violation of law or applicable qualification standards, with respect to the employment or compensation of employees by the Company or its Subsidiaries that would reasonably be expected to have a Material Adverse Effect. None of the following events has occurred or is reasonably likely to occur: (i) a material increase in the aggregate amount of contributions required to be made to all Plans in the current fiscal

year of the Company and its Subsidiaries compared to the amount of such contributions made in the most recently completed fiscal year of the Company and its Subsidiaries; (ii) a material increase in the “accumulated post-retirement benefit obligations” (within the meaning of Statement of Financial Accounting Standards 106) of the Company and its Subsidiaries compared to the amount of such obligations in the most recently completed fiscal year of the Company and its Subsidiaries; (iii) any event or condition giving rise to a liability under Title IV of ERISA that would reasonably be expected to have a Material Adverse Effect; or (iv) the filing of a claim by one or more employees or former employees of the Company or any of its Subsidiaries related to their employment that would reasonably be expected to have a Material Adverse Effect. For purposes of this paragraph, the term “**Plan**” means a plan (within the meaning of Section 3(3) of ERISA) subject to Title IV of ERISA with respect to which the Company or any of its Subsidiaries may have any liability.

(ff) The Company has taken all necessary actions to ensure that it is in compliance with all applicable provisions of the Sarbanes-Oxley Act of 2002 and the rules and regulations promulgated in connection therewith (the “**Sarbanes-Oxley Act**”) that are currently in effect and with which the Company is required to comply. There is and has been no material failure on the part of the Company or, to the knowledge of the Company, any of the Company’s directors or officers, in their capacities as such, to comply with any applicable provision of the Sarbanes-Oxley Act, including Section 402 related to loans and Sections 302 and 906 related to certifications.

(gg) (i) None of the Company or any of its subsidiaries or affiliates, or any director, officer, or employee thereof, or, to the Company’s knowledge, any agent or representative of the Company or of any of its subsidiaries or affiliates, has taken or will take any action in furtherance of an offer, payment, promise to pay, or authorization or approval of the payment, giving or receipt of money, property, gifts or anything else of value, directly or indirectly, to any government official (including any officer or employee of a government or government-owned or controlled entity or of a public international organization, or any person acting in an official capacity for or on behalf of any of the foregoing, or any political party or party official or candidate for political office) (“**Government Official**”) in order to influence official action, or to any person in violation of any applicable anti-corruption laws; (ii) the Company and each of its subsidiaries and affiliates have conducted their businesses in compliance with applicable anti-corruption laws and have instituted and maintained and will continue to maintain policies and procedures reasonably designed to promote and achieve compliance with such laws and with the representations and warranties contained herein; and (iii) neither the Company nor any of its subsidiaries will use, directly or indirectly, the proceeds of the offering in furtherance of an offer, payment, promise to pay, or authorization of the payment or giving of money, or anything else of value, to any person in violation of any applicable anti-corruption laws.

(hh) The operations of the Company and each of its subsidiaries are and have been conducted at all times in material compliance with all applicable financial recordkeeping 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), and the applicable anti-money laundering statutes of jurisdictions where the Company and each of its subsidiaries conduct business, the rules and regulations thereunder and any related or similar rules, regulations or guidelines, issued, administered or enforced by any governmental agency (collectively, the “**Anti-Money Laundering Laws**”), and no action, suit or proceeding by or before any court or governmental agency, authority or body or any arbitrator involving the Company or any of its subsidiaries with respect to the Anti-Money Laundering Laws is pending or, to the best knowledge of the Company, threatened.

(ii) (i) None of the Company, any of its subsidiaries, or any director, officer, or employee thereof, or, to the Company’s knowledge, any agent, affiliate or representative of the Company or any of its subsidiaries, is an individual or entity (“**Person**”) that is, or is owned or controlled by one or more Persons that are:

(A) the subject of any sanctions administered or enforced by the U.S. Department of the Treasury’s Office of Foreign Assets Control, the United Nations Security Council, the European Union, His Majesty’s Treasury, or other relevant sanctions authority (collectively, “**Sanctions**”), or

(B) located, organized or resident in a country or territory that is the subject of Sanctions (including, without limitation, Crimea, the so-called Donetsk People’s Republic, the so-called Luhansk People’s Republic, the non-government controlled areas of Zaporizhzhia and Kherson regions of Ukraine, Cuba, Iran, North Korea and Syria).

(ii) The Company will not, directly or indirectly, use the proceeds of the offering, or lend, contribute or otherwise make available such proceeds to any subsidiary, joint venture partner or other Person:

(A) to fund or facilitate any activities or business of or with any Person or in any country or territory that, at the time of such funding or facilitation, is the subject of Sanctions, except to the extent permitted for a Person required to comply with Sanctions; or

(B) in any other manner that will result in a violation of Sanctions by any Person (including any Person participating in the offering, whether as underwriter, advisor, investor or otherwise).

(iii) The Company and each of its subsidiaries have not knowingly engaged in, are not now knowingly engaged in, and will not engage in, any dealings or transactions with any Person, or in any country or territory, that at the time of the dealing or transaction is or was the subject of Sanctions.

(jj) (i) The Company and its Subsidiaries own or have a license to all patents, inventions, copyrights, know how (including trade secrets and other unpatented and/or unpatentable proprietary or confidential information, systems or procedures), trademarks, service marks and trade names (collectively, “**Intellectual Property Rights**”) used in or reasonably necessary to the conduct of their businesses; (ii) to the Company’s knowledge, the Intellectual Property Rights owned by the Company and its Subsidiaries and the Intellectual Property Rights licensed to the Company and its Subsidiaries, are valid, subsisting and enforceable, and there is no pending or, to the knowledge of the Company or any of its Subsidiaries, threatened action, suit, proceeding or claim by others challenging the validity, scope or enforceability of any such Intellectual Property Rights; (iii) neither the Company nor any of its Subsidiaries has received any notice alleging any infringement, misappropriation or other violation of Intellectual Property Rights which, singly or in the aggregate, if the subject of an unfavorable decision, ruling or finding, would have a Material Adverse Effect on the Company and its Subsidiaries, taken as a whole; (iv) to the Company’s knowledge, no third party is infringing, misappropriating or otherwise violating, or has infringed, misappropriated or otherwise violated, any Intellectual Property Rights owned by the Company; (v) to the Company’s knowledge, the Company’s or any of its Subsidiaries’ products do not infringe or have not infringed any Intellectual Property Rights of a third party; to the Company’s knowledge, neither the Company nor any of its Subsidiaries misappropriates or otherwise violates, or has misappropriated or otherwise violated, any Intellectual Property Rights of a third party; (vi) all employees or contractors engaged in the development of Intellectual Property Rights on behalf of the Company or its Subsidiaries have executed or have an obligation to execute an invention assignment agreement whereby such employees or contractors presently assign all of their right, title and interest in and to such Intellectual Property Rights to the Company or the applicable subsidiary, and to the Company’s knowledge no such agreement has been breached or violated; and (vii) the Company and its Subsidiaries use, and have used, commercially reasonable efforts to appropriately maintain all information intended to be maintained as a trade secret.

(kk) (i) The Company and its Subsidiaries use and have used any and all software and other materials distributed under a “free,” “open source,” or similar licensing model (including but not limited to the MIT License, Apache License, GNU General Public License, GNU Lesser General Public License and GNU Affero General Public License) (“**Open Source Software**”) in compliance with all license terms applicable to such Open Source Software; and (ii) neither the Company nor any of its Subsidiaries uses or distributes or has used or distributed any Open Source Software in any manner that requires or has required (A) the Company or any of its Subsidiaries to permit reverse engineering of any software code or other technology owned by the Company or any of its Subsidiaries or (B) any software code or other technology owned by the Company or any of its Subsidiaries to be (1) disclosed or distributed in source code form, (2) licensed for the purpose of making derivative works or (3) redistributed at no charge.

(ll) (i) The Company and its Subsidiaries have complied and are presently in compliance in all material respects with their respective published privacy policies, contractual obligations, and applicable laws relating to the collection, use, transfer, import, export, storage, protection, disposal and disclosure by the Company or its Subsidiaries of personal, personally identifiable, or household regulated data (“**Data Security Obligations**,” and such data, “**Data**”); (ii) the Company has not received any notification of or complaint regarding any material non-compliance with any Data Security Obligation; and (iii) there is no action, suit or proceeding by or before any court or governmental agency, authority or body pending or, to the Company’s knowledge, threatened alleging non-compliance with any Data Security Obligation.

(mm) The Company and its Subsidiaries have taken all reasonable technical and organizational measures designed to protect the information technology systems and Data under the Company’s and any of its Subsidiaries’ control used in connection with the operation of the Company’s and its Subsidiaries’ businesses. Without limiting the foregoing, the Company and its Subsidiaries have used reasonable efforts to establish and maintain, and have established, maintained, implemented and complied with, reasonable information technology, information security, cyber security and data protection controls, policies and procedures that are designed to protect against and prevent breach, destruction, loss, unauthorized distribution, use, access, disablement, misappropriation or modification, or other compromise or misuse of or relating to any information technology system or Data used in connection with the operation of the Company’s and its Subsidiaries’ businesses (“**Breach**”). To the Company’s knowledge, there has been no such Breach, and the Company and its Subsidiaries have not been notified of and have no knowledge of any event or condition that would reasonably be expected to result in, any such Breach.

(nn) The preclinical studies and tests and clinical trials conducted by or on behalf of the Company that are described in the Registration Statements, the Time of Sale Prospectus and the Prospectus (the “**Company Studies and Trials**”) were and, if still pending, are being, conducted in all material respects in accordance with applicable laws, including, without limitation, the Federal Food, Drug, and Cosmetic Act (21 U.S.C. §§ 301 et seq.) and the rules and regulations promulgated thereunder; the descriptions of the results of the Company Studies and Trials contained in the Registration Statements, the Time of Sale Prospectus and the Prospectus are accurate in all material respects; the Company has no knowledge of any other studies or trials not described in the Registration Statements, the Time of Sale Prospectus and the Prospectus, the results of which are inconsistent with or reasonably call into question the results described or referred to in such documents when viewed in the context in which such results are described and the stage of development; and the Company has not received any written notices, correspondence or other written communication from the U.S. Food and Drug Administration (the “**FDA**”) or any foreign, state or local governmental body exercising comparable authority requiring the termination, suspension or material modification of any Company Studies and Trials, where such termination, suspension or material modification would reasonably be expected to have a Material Adverse Effect and, to the Company’s knowledge, there are no reasonable grounds for the same. To the Company’s knowledge, none of the Company Studies and Trials involved any investigator who has been disqualified as a clinical investigator by the FDA. To the Company’s knowledge, the manufacturing facilities and operations of its suppliers are operated in compliance in all material respects with all applicable statutes, rules, regulations and policies of the FDA and comparable regulatory agencies outside of the United States to which the Company is subject.

(oo) Except as described in the Registration Statements, the Time of Sale Prospectus and the Prospectus, as applicable, the Company (i) is and at all times has been in material compliance with all local, state, federal, national and supranational statutes, rules and regulations applicable to the ownership, testing, development, manufacture, packaging, processing, use, storage, import, export or disposal of any product manufactured or distributed by the Company, including, without limitation, the Federal Food, Drug and Cosmetic Act (21 U.S.C. § 301 et seq.), and the federal Anti-kickback Statute (42 U.S.C. § 1320a-7b(b)), the regulations promulgated pursuant to such laws, and any successor government programs, and comparable state laws (collectively, the “**Applicable Laws**”), except for such non-compliance as would not, individually or in the aggregate, have a Material Adverse Effect; (ii) has not received any written notice from any court or arbitrator or governmental or regulatory authority alleging or asserting non-compliance with any Applicable Laws or any licenses, exemptions, certificates, approvals, clearances, authorizations, permits and registrations required by any such Applicable Laws (“**Authorizations**”), except for such non-compliance as would not, individually or in the aggregate, have a Material Adverse Effect; (iii) possesses all material Authorizations and such Authorizations are valid and in full force and effect and is not in violation of any term of any such Authorizations, except for such violations as would not, individually or in the aggregate, have a Material Adverse Effect; (iv) has not received written notice of any claim, action, suit, proceeding, hearing, enforcement, investigation, arbitration or other action from any court or arbitrator or governmental or regulatory authority alleging that any product operation or activity is in violation of any Applicable Laws or Authorizations nor, to the Company’s knowledge, is any such claim, action, suit, proceeding, hearing, enforcement, investigation, arbitration or other action threatened, except such as would not, individually or in the aggregate, have a Material Adverse Effect; (v) has not received written notice that any court or arbitrator or governmental or regulatory authority has taken, is taking or intends to take action to materially limit, suspend, materially modify or revoke any Authorizations nor, to the Company’s knowledge, is any such limitation, suspension, modification or revocation threatened, except such as would not, individually or in the aggregate, have a Material Adverse Effect; (vi) has filed, obtained, maintained or submitted all material reports, documents, forms, notices, applications, records and claims as required by any Applicable Laws or Authorizations and that all such reports, documents, forms, notices, applications, records and claims, and to the Company’s knowledge, were complete and accurate on the date filed in all material respects (or were corrected or supplemented by a subsequent submission); and (vii) to the Company’s knowledge, is not a party to any corporate integrity agreements, monitoring agreements, consent decrees, settlement orders, or similar agreements with or imposed by any governmental or regulatory authority.

(pp) The Company is not required to register as a “broker” or “dealer” in accordance with the provisions of the Exchange Act and does not, directly or indirectly through one or more intermediaries, control or have any other association with (within the meaning of Article I of the By-laws of the Financial Industry Regulatory Authority, Inc. (“FINRA”)) any member firm of FINRA. To the Company’s knowledge, no relationship, direct or indirect, exists between or among the Company, on the one hand, and the directors, officers or shareholders of the Company, on the other hand, which is required by the rules of FINRA to be described in the Registration Statements, the Time of Sale Prospectus and the Prospectus, which is not so described. All of the information (including, but not limited to, information regarding affiliations, security ownership and trading activity) provided to the Agent or its counsel by the Company in connection with the filing to be made and other supplemental information to be provided to FINRA pursuant to FINRA Rule 5110 in connection with the transactions contemplated by this Agreement is true, complete and correct.

(qq) Neither the issuance, sale and delivery of the Securities nor the application of the proceeds thereof by the Company as described in the Registration Statements, the Time of Sale Prospectus and the Prospectus will violate Regulation T, U or X of the Board of Governors of the Federal Reserve System or any other regulation of such Board of Governors.

(rr) Each of the independent directors (or independent director nominees, once appointed, if applicable) named in the Registration Statements, the Time of Sale Prospectus and Prospectus satisfies the independence standards established by Nasdaq and, with respect to members of the Company’s audit committee, the enhanced independence standards contained in Rule 10A-3(b)(1) promulgated by the Commission under the Exchange Act.

(ss) Each financial or operational projection or other “forward-looking statement” (as defined by Section 27A of the Securities Act or Section 21E of the Exchange Act) contained in the Registration Statements or the Prospectus (i) was so included by the Company in good faith and with reasonable basis after due consideration by the Company of the underlying assumptions, estimates and other applicable facts and circumstances and (ii) as required, is accompanied by meaningful cautionary statements identifying those factors that could cause actual results to differ materially from those in such forward-looking statement. No such statement was made with the knowledge of a director or senior manager of the Company that was false or misleading.

(tt) There are no relationships, direct or indirect, or related party transactions involving the Company or any of its Subsidiaries or any other person (including any director, officer, stockholder, customer or supplier of the Company or any of its Subsidiaries) required to be described in the Registration Statements, the Time of Sale Prospectus or the Prospectus that have not been described as required. There are no material outstanding loans, advances (except normal advances for business expenses in the ordinary course of business) or guarantees of indebtedness by the Company or any of its Subsidiaries to or for the benefit of any of the officers or directors of the Company or any of its Subsidiaries, or any of the family members of any of such persons.

(uu) The Company is not in or subject to a bankruptcy or insolvency proceeding in any jurisdiction.

(vv) All United States federal income tax returns of the Company and its Subsidiaries required by law to be filed have been filed or extensions thereof have been requested, and all taxes shown by such returns or otherwise assessed, which are due and payable, have been paid, except assessments that are being contested in good faith and as to which adequate reserves have been provided under U.S. GAAP. The Company has no knowledge of any material tax deficiency which has been or is likely to be threatened or asserted against the Company or its Subsidiaries. Each of the Company and its Subsidiaries has filed all foreign, state, provincial, local or other tax returns that are required to have been filed pursuant to applicable foreign, state, provincial, local or other law except insofar as the failure to file such returns would not, individually or in the aggregate, reasonably be expected to result in a Material Adverse Effect, and paid all taxes due pursuant to such returns or pursuant to any assessment received by the Company and its Subsidiaries, except for such taxes, if any, as are being contested in good faith and as to which adequate reserves have been provided and except for such taxes or assessments the nonpayment of which would not, individually or in the aggregate, reasonably be expected to result in a Material Adverse Effect. The charges, accruals and reserves on the books of the Company and its Subsidiaries in respect of any income or other tax liability for any years not finally determined are adequate to meet any assessments or re-assessments for additional tax for any years not finally determined, except to the extent of any inadequacy that would not reasonably be expected to result in a Material Adverse Effect.

(ww) The Company has paid the registration fee for this offering pursuant to Rule 456(b)(1) of the Act or will pay such fee within the time period required by such rule (without giving effect to the proviso therein) and in any event prior to the Closing Date.

(xx) The Company (i) has not alone engaged in any Testing-the-Waters Communication with any person and (ii) has not authorized anyone other than the Representatives to engage in Testing-the-Waters Communications. The Company reconfirms that the Representatives have been authorized to act on its behalf in undertaking Testing-the-Waters Communications. The Company has not distributed any Testing-the-Waters Communication that is a written communication within the meaning of Rule 405 under the Securities Act. “**Testing-the-Waters Communication**” means any communication with potential investors undertaken in reliance on Section 5(d) or Rule 163B of the Securities Act.

(yy) As of the time of each sale of the Securities in connection with the offering when the Prospectus is not yet available to prospective purchasers, none of (i) the Time of Sale Prospectus (ii) any free writing prospectus, when considered together with the Time of Sale Prospectus, and (iii) any individual Testing-the-Waters

Communication, when considered together with the Time of Sale Prospectus, included, includes or will include an untrue statement of a material fact or omitted, omits or will 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.

2. *Representations and Warranties of the Selling Stockholder.* The Selling Stockholder represents and warrants to, and agrees with, each of the Underwriters that:

(a) This Agreement has been duly authorized, executed and delivered by or on behalf of the Selling Stockholder.

(b) The Selling Stockholder has, and on the Closing Date and each applicable Option Closing Date (as defined below) the Selling Stockholder will have, valid title to, or a valid “security entitlement” within the meaning of Section 8-501 of the New York Uniform Commercial Code in respect of, the Shares to be sold by the Selling Stockholder hereunder at such Closing Date and Option Closing Date, free and clear of all liens, security interests, encumbrances, equities or claims, and the legal right and power, and all authorization and approval required by law, to enter into this Agreement, and to sell, transfer and deliver the Shares to be sold by the Selling Shareholder or a security entitlement in respect of such Shares.

(c) Upon payment for the Shares to be sold by the Selling Stockholder pursuant to this Agreement, delivery of the Shares, as directed by the Underwriters, to Cede & Co. (“**Cede**”) or such other nominee as may be designated by The Depository Trust Company (“**DTC**”), registration of such Shares in the name of Cede or such other nominee and the crediting of such Shares on the books of DTC to securities accounts of the Underwriters (assuming that neither DTC nor any such Underwriter has notice of any adverse claim (within the meaning of Section 8-105 of the New York Uniform Commercial Code (the “**UCC**”)) to such Shares), (A) DTC shall be a “protected purchaser” of such Shares within the meaning of Section 8-303 of the UCC, (B) under Section 8-501 of the UCC, the Underwriters will acquire a valid security entitlement in respect of such Shares and (C) no action based on any “adverse claim”, within the meaning of Section 8-102 of the UCC, to such Shares may be asserted against the Underwriters with respect to such security entitlement; for purposes of this representation, such Selling Stockholder may assume that when such payment, delivery and crediting occur, (x) such Shares will have been registered in the name of Cede or another nominee designated by DTC, in each case on the Company’s share registry in accordance with its certificate of incorporation, bylaws and applicable law, (y) DTC will be registered as a “clearing corporation” within the meaning of Section 8-102 of the UCC and (z) appropriate entries to the accounts of the several Underwriters on the records of DTC will have been made pursuant to the Section 8-501 of the UCC.

(d) The execution and delivery by the Selling Stockholder of, and the performance by the Selling Stockholder of its obligations under, this Agreement will not contravene or conflict with, result in a breach of, or constitute a default under, or require the consent of any other party to, the limited liability company agreement or other organizational documents of the Selling Stockholder or any other agreement or instrument to which the Selling Stockholder is a party or by which it is bound or under which it is entitled to any right or benefit, any provision of applicable law or any judgment, order, decree or regulation applicable to the Selling Stockholder of any court, regulatory body, administrative agency, governmental body or arbitrator having jurisdiction over the Selling Stockholder, except for such conflicts, defaults, breaches or violations that would not, individually or in the aggregate, reasonably be expected to impair in any material respect the ability of the Selling Stockholder to perform its obligations under this Agreement or result in a violation of any applicable statute. No consent, approval, authorization or other order of, or registration or filing with, any court or other governmental authority or agency, is required for the offering, sale or purchase by the Underwriters of any of the Shares which may be sold by the Selling Stockholder under this Agreement or the consummation by the Selling Stockholder of the transactions contemplated in this Agreement, except for such consents, approvals, authorizations, waivers, orders, registrations or qualifications (i) as have been obtained or made, (ii) as may be required under the Securities Act, (ii) as may be required by FINRA, and (iv) as may be required under applicable state securities or blue sky laws in connection with the purchase and distribution of the Shares by the Underwriters.

(e) The Selling Stockholder: (i) does not have any registration or other similar rights to have any securities registered for sale by the Company under the Selling Stockholder Registration Statement or included in the offering contemplated by this Agreement, except for such rights as are described in the Selling Stockholder Registration Statement, the Time of Sale Prospectus and the Prospectus; (ii) does not have any preemptive right, co-sale right, right of first refusal or other similar right to purchase any of the Shares that are to be sold by the Company to the Underwriters pursuant to this Agreement, except for such rights as the Selling Stockholder has waived prior to the date hereof and are described in the Registration Statements, the Time of Sale Prospectus and the Prospectus; and (iii) does not own any warrants, options or similar rights to acquire, and does not have any right or arrangement to acquire, any capital stock, right, warrants, options or other securities from the Company, other than those described in the Registration Statements, the Time of Sale Prospectus and the Prospectus.

(f) All information furnished to the Company or any Underwriter by or on behalf of the Selling Stockholder in writing expressly for use in the Selling Stockholder Registration Statement, the Time of Sale Prospectus or the Prospectus is, and on the Closing Date and each applicable Option Closing Date will be, true, correct, and complete in all material respects, and did not, as of the Applicable Time, and on the Closing Date and each applicable Option Closing Date will not, contain any untrue statement of a material fact or omit to state any material fact necessary to make such information not misleading. For the avoidance of doubt and for purposes of this Agreement, the only information furnished to the Company or any Underwriter by or on behalf of the Selling Stockholder for use in the Selling Stockholder Registration Statement, the Time of Sale Prospectus or the Prospectus is (i) the name and address of the Selling Stockholder and (ii) the beneficial ownership information of shares of

Common Stock opposite the Selling Stockholder's name in the Selling Stockholder Registration Statement (both prior to and after giving effect to the sale of the Shares), in the Time of Sale Prospectus and the Prospectus under the caption "Selling Stockholders" (the "**Selling Stockholder Information**").

(g) The Selling Stockholder has not taken, directly or indirectly, any action designed to or that could reasonably be expected to cause or result in stabilization or manipulation of the price of the Shares or any reference security, whether to facilitate the sale or resale of the Shares or otherwise, and has taken no action which would directly or indirectly violate any provision of Regulation M.

(h) There are no transfer taxes or other similar fees or charges under Federal law or the laws of any state, or any political subdivision thereof, required to be paid in connection with the execution and delivery of this Agreement or the sale by the Selling Stockholder of the Shares.

(i) Prior to the later of (i) the expiration or termination of the option granted to the several Underwriters under Section 3 and (ii) the completion of the Underwriters' distribution of the Shares, the Selling Stockholder has not distributed and will not distribute any offering material in connection with the offering and sale of the Shares other than the Selling Stockholder Registration Statement, the Time of Sale Prospectus, the free writing prospectuses and the Prospectus.

(j) To its knowledge, the Selling Stockholder is not currently the subject or the target of Sanctions and will not directly or indirectly use the proceeds of this offering, or lend, contribute or otherwise make available such proceeds to any subsidiary, or any joint venture partner or other person or entity, for the purpose of financing the activities of any person that at the time of such financing, is the subject or the target of Sanctions or in any other manner that will result in a violation by any person (including any person participating in the transaction whether as underwriter, advisor, investor or otherwise) of applicable Sanctions.

(k) Any certificate signed by the Selling Stockholder and delivered to any Underwriter or to counsel for the Underwriters shall be deemed a representation and warranty by the Selling Stockholder to each Underwriter as to the matters covered thereby.

(l) The Selling Stockholder has a reasonable basis for making each of the representations set forth in this Section 2. The Selling Stockholder acknowledges that the Underwriters and, for purposes of the opinion to be delivered pursuant to Section 6 hereof, counsel to the Selling Stockholder and counsel to the Underwriters, will rely upon the accuracy and truthfulness of the foregoing representations and hereby consents to such reliance.

3. *Agreements to Sell and Purchase.* The Company and the Selling Stockholder each hereby agree, severally and not jointly, to sell to the several Underwriters, and each Underwriter, upon the basis of the representations and warranties herein contained, but subject to the terms and conditions hereinafter stated, agrees, severally and not jointly, to purchase from the Company and the Selling Stockholder the respective numbers of Firm Securities set forth in Schedule I hereto opposite its name. The purchase price per Firm Share to be paid by the several Underwriters to the Company and the Selling Stockholder shall be \$78.96 per share (the “**Purchase Price**”) and the purchase price per Pre-Funded Warrant to be paid by the several Underwriters to the Company equals the Purchase Price minus \$0.0001 (the “**Warrant Purchase Price**”).

On the basis of the representations and warranties contained in this Agreement, and subject to its terms and conditions, the Selling Stockholder agrees to sell to the Underwriters the Additional Shares, and the Underwriters shall have the right to purchase, severally and not jointly, up to 446,428 Additional Shares at the Purchase Price, provided, however, that the amount paid by the Underwriters for any Additional Shares shall be reduced by an amount per share equal to any dividends declared by the Company and payable on the Firm Shares but not payable on such Additional Shares. The Representatives may exercise this right on behalf of the Underwriters in whole or from time to time in part by giving written notice not later than 30 days after the date of this Agreement to the Company and the Selling Stockholder. Any exercise notice shall specify the number of Additional Shares to be purchased by the Underwriters and the date on which such shares are to be purchased. Each purchase date must be at least one business day after the written notice is given and may not be earlier than the closing date for the Firm Securities or later than ten business days after the date of such notice. Additional Shares may be purchased as provided in Section 5 hereof. On each day, if any, that Additional Shares are to be purchased (an “**Option Closing Date**”), (a) each Underwriter agrees, severally and not jointly, to purchase the number of Additional Shares (subject to such adjustments to eliminate fractional shares as the Representatives may determine) that bears the same proportion to the total number of Additional Shares to be purchased on such Option Closing Date as the aggregate number of Firm Securities set forth in Schedule I hereto opposite the name of such Underwriter bears to the total number of Firm Securities and (b) the Selling Stockholder agrees to sell the number of Additional Shares elected to be purchased by the Underwriters. The Representatives may cancel the unexercised option at any time prior to its expiration by giving written notice of such cancellation to the Selling Stockholder and the Company.

4. *Terms of Public Offering.* The Company and the Selling Stockholder are advised by the Representatives that the Underwriters propose to make a public offering of their respective portions of the Securities as soon after the Registration Statements and this Agreement have become effective as in the Representatives’ judgment is advisable. The Company and the Selling Stockholder are further advised by the Representatives that (i) the Shares are to be offered to the public initially at \$84.00 per share (the “**Public Offering Price**”) and to certain dealers selected by the Representatives at a price that represents a concession not in excess of \$3.0240 per share under the Public Offering Price and (ii) the Pre-Funded Warrants are to be offered to the public initially at \$83.9999 per pre-funded warrant (the “**Public Offering Price Per Warrant**”) and to certain dealers selected by the Representatives at a price that represents a concession not in excess of \$3.0240 per pre-funded warrant under the Public Offering Price Per Warrant.

5. **Payment and Delivery.** Payment for the Firm Securities to be sold by the Company shall be made to the Company in Federal or other funds immediately available in New York City against delivery of the Firm Securities for the respective accounts of the several Underwriters at 10:00 a.m., New York City time, on October 22, 2025, or at such other time on the same or such other date, not later than November 5, 2025, as shall be designated in writing by the Representatives. The time and date of such payment are hereinafter referred to as the “**Closing Date.**” Payment for the Firm Shares to be sold by the Selling Stockholder shall be made to the Selling Stockholder in Federal or other funds immediately available in New York City against delivery of the Firm Shares for the respective accounts of the several Underwriters on the Closing Date, or by such alternative means as agreed upon between the Selling Stockholder and the Underwriters.

Notwithstanding the foregoing, the Company and the Representatives shall instruct purchasers of the Pre-Funded Warrants in the public offering to make payment for the Pre-Funded Warrants at the Public Offering Price Per Warrant on the Closing Date to the Company by wire transfer in immediately available funds to the account specified by the Company, in lieu of payment by the Underwriters for such Pre-Funded Warrants, and the Company shall deliver such Pre-Funded Warrants to such purchasers on the Closing Date in definitive form against such payment, in lieu of the Company’s obligation to deliver such Pre-Funded Warrants to the Underwriters; provided that the Underwriters shall withhold \$5.04 per Pre-Funded Warrant with respect to such Pre-Funded Warrants as an offset effected by the Company of its claim for payment by the Underwriters to the Company for the Company Shares against the Company’s obligation to pay the amount so withheld with respect to such Pre-Funded Warrants to the Underwriters.

In the event that the purchasers of the Pre-Funded Warrants in the public offering fail to make payment to the Company for all or part of the Pre-Funded Warrants on the Closing Date, the Representatives may elect, by written notice to the Company, to receive shares of Common Stock at the Public Offering Price in lieu of all or a portion of such Pre-Funded Warrants to be delivered to the Underwriters under this Agreement.

Payment for any Additional Shares shall be made to the Selling Stockholder in Federal or other funds immediately available in New York City against delivery of such Additional Shares for the respective accounts of the several Underwriters, or by such alternative means as agreed upon between the Selling Stockholder and the Underwriters, at 10:00 a.m., New York City time, on the date specified in the corresponding notice described in Section 3 or at such other time on the same or on such other date, in any event not later than November 19, 2025 as shall be designated in writing by the Representatives.

The Firm Securities and Additional Shares shall be registered in such names and in such denominations as the Representatives shall request in writing not later than one full business day prior to the Closing Date or the applicable Option Closing Date, as the case may be. The Firm Securities and Additional Shares shall be delivered to the Representatives on the Closing Date or an Option Closing Date, as the case may be, for the respective accounts of the several Underwriters, with any transfer taxes payable in connection with the transfer of the Securities to the Underwriters duly paid, against payment of the Purchase Price therefor and Warrant Purchase Price therefor. The Pre-Funded Warrants will be made available for inspection by the Representatives on the day prior to the Closing Date.

For the avoidance of doubt, the Selling Stockholder hereby agrees that (i) it will pay all stock transfer taxes, stamp duties and other similar taxes, if any, payable upon the sale or delivery of the Shares to be sold by the Selling Stockholder to the several Underwriters, or otherwise in connection with the performance of the Selling Stockholder's obligations hereunder.

6. *Conditions to the Underwriters' Obligations.* The obligations of the Company and the Selling Stockholder to sell the Securities to the Underwriters and the several obligations of the Underwriters to purchase and pay for the Securities on the Closing Date are subject to the following conditions:

(a) Subsequent to the execution and delivery of this Agreement and prior to the Closing Date:

(i) no order suspending the effectiveness of the Registration Statements shall be in effect and no proceeding for such purpose or pursuant to Section 8A under the Securities Act shall be pending before or, to the knowledge of the Company, threatened by the Commission and no notice of objection of the Commission to the use of the Registration Statements pursuant to Rule 401(g)(2) under the Securities Act has been received by the Company;

(ii) there shall not have occurred any downgrading, nor shall any notice have been given of any intended or potential downgrading or of any review for a possible change that does not indicate the direction of the possible change, in the rating accorded any of the securities of the Company or any of its Subsidiaries by any "nationally recognized statistical rating organization," as such term is defined in Section 3(a)(62) of the Exchange Act; and

(iii) there shall not have occurred any change, or any development involving a prospective change, in the condition, financial or otherwise, or in the earnings, business or operations of the Company and its subsidiaries, taken as a whole, from that set forth in the Time of Sale Prospectus that, in the Representatives' judgment, is material and adverse and that makes it, in the Representatives' judgment, impracticable to market the Securities on the terms and in the manner contemplated in the Time of Sale Prospectus.

(b) The Underwriters shall have received on the Closing Date a certificate, dated the Closing Date and signed by an executive officer of the Company, to the effect set forth in Sections 6(a)(i) and 6(a)(ii) above and to the effect that the representations and warranties of the Company contained in this Agreement are true and correct as of the Closing Date and that the Company has complied with all of the agreements and satisfied all of the conditions on its part to be performed or satisfied hereunder on or before the Closing Date.

The officer signing and delivering such certificate may rely upon the best of his or her knowledge as to proceedings threatened.

(c) The Underwriters shall have received on the Closing Date a certificate, dated the Closing Date of the Selling Stockholder to the effect that:

(i) the representations, warranties and covenants of the Selling Stockholder set forth in Section 2 of this Agreement are true and correct in all material respects (except to the extent already qualified by materiality, in which case such representations, warranties and covenants shall be true and correct in all respects) with the same force and effect as though expressly made by the Selling Stockholder on and as of such date; and

(ii) the Selling Stockholder has complied with all the agreements and satisfied all the conditions on its part to be performed or satisfied at or prior to such date.

(d) The Underwriters shall have received on the Closing Date an opinion and negative assurance letter of Goodwin Procter LLP, outside counsel for the Company, dated the Closing Date, in form and substance reasonably satisfactory to the Representatives.

(e) The Underwriters shall have received on the Closing Date an opinion of White & Case LLP, intellectual property counsel for the Company, dated the Closing Date, in form and substance reasonably satisfactory to the Representatives.

(f) The Underwriters shall have received on the Closing Date an opinion of Wolf, Greenfield & Sacks, P.C., intellectual property counsel for the Company, dated the Closing Date, in form and substance reasonably satisfactory to the Representatives.

(g) The Underwriters shall have received on the Closing Date an opinion and negative assurance letter of Wilmer Cutler Pickering Hale and Dorr LLP, counsel for the Underwriters, dated the Closing Date, in form and substance reasonably satisfactory to the Representatives.

(h) The Underwriters shall have received on the Closing Date an opinion of Debevoise & Plimpton LLP, special New York counsel for the Selling Stockholder, dated the Closing Date, in form and substance reasonably satisfactory to the Representatives.

(i) The Underwriters shall have received on the Closing Date an opinion of McDermott Will & Schulte LLP, Delaware counsel for the Selling Stockholder, dated the Closing Date, in form and substance reasonably satisfactory to the Representatives.

With respect to the negative assurance letters to be delivered pursuant to Sections 6(d) and 6(g) above, Goodwin Procter LLP and Wilmer Cutler Pickering Hale and Dorr LLP, respectively, may state that their opinions and beliefs are based upon their participation in the preparation of the Registration Statements, the Time of Sale Prospectus and the Prospectus and any amendments or supplements thereto and review and discussion of the contents thereof, but are without independent check or verification, except as specified.

The opinions of Goodwin Procter LLP, White & Case LLP and Wolf, Greenfield & Sacks, P.C. described in Sections 6(d), 6(e) and 6(f), respectively, shall be rendered to the Underwriters at the request of the Company and shall so state therein.

(j) The Underwriters shall have received, on each of the date hereof and the Closing Date, a letter dated the date hereof or the Closing Date, as the case may be, in form and substance satisfactory to the Representatives, from Ernst & Young LLP, independent public accountants, 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 Statements, the Time of Sale Prospectus and the Prospectus; *provided* that the letter delivered on the Closing Date shall use a "cut-off date" not earlier than the date hereof.

(k) The Underwriters shall have received, on each of the date hereof and the Closing Date, a certificate, of the Company's chief financial officer with respect to certain financial data contained in the Time of Sale Prospectus and the Prospectus, in form and substance reasonably satisfactory to the Representatives.

(l) The "lock-up" agreements, each substantially in the form of Exhibit A hereto, between Jefferies LLC, Leerink Partners LLC and Morgan Stanley & Co. LLC, certain officers and directors of the Company, and the Selling Stockholder relating to restrictions on sales and certain other dispositions of shares of Common Stock or certain other securities, delivered to the Jefferies LLC, Leerink Partners LLC and Morgan Stanley & Co. LLC on or before the date hereof, shall be in full force and effect on the Closing Date.

(m) The Shares sold pursuant to this Agreement by the Company and the shares of the Company's common stock, par value \$0.0001 per share, equivalent to the number of Warrant Shares sold pursuant to this Agreement shall have been submitted for listing on Nasdaq.

(n) The Representatives shall have received a form of Pre-Funded Warrant in form and substance reasonably acceptable to the Representatives.

(o) Delivery to the Underwriters on the Closing Date of such other documents as the Representatives may reasonably request with respect to the good standing of the Company and the Subsidiary, the due authorization and issuance of the Firm Securities to be sold on the Closing Date and other matters related to the issuance of the Firm Securities.

(p) The several obligations of the Underwriters to purchase Additional Shares hereunder are subject to the delivery to the Representatives on the applicable Option Closing Date of the following:

(i) a certificate, dated the Option Closing Date and signed by an executive officer of the Company, confirming that the certificate delivered on the Closing Date pursuant to Section 6(b) hereof remains true and correct as of such Option Closing Date;

(ii) a certificate, dated the Option Closing Date of the Selling Stockholder, confirming that the certificate delivered on the Closing Date pursuant to Section 6(c) hereof remains true and correct in all material respects (except to the extent already qualified by materiality, in which case such representations, warranties and covenants shall be true and correct in all respects) as of such Option Closing Date;

(iii) an opinion and negative assurance letter of Goodwin Procter LLP, outside counsel for the Company, dated the Option Closing Date, relating to the Additional Shares to be purchased on such Option Closing Date and otherwise to the same effect as the opinion and negative assurance letter required by Section 6(d) hereof;

(iv) an opinion of White & Case LLP, intellectual property counsel for the Company, dated the Option Closing Date, relating to the Additional Shares to be purchased on such Option Closing Date and otherwise to the same effect as the opinion required by Section 6(e) hereof;

(v) an opinion of Wolf, Greenfield & Sacks, P.C., intellectual property counsel for the Company, dated the Option Closing Date, relating to the Additional Shares to be purchased on such Option Closing Date and otherwise to the same effect as the opinion required by Section 6(f) hereof;

(vi) an opinion and negative assurance letter of Wilmer Cutler Pickering Hale and Dorr LLP, counsel for the Underwriters, dated the Option Closing Date, relating to the Additional Shares to be purchased on such Option Closing Date and otherwise to the same effect as the opinion and negative assurance letter required by Section 6(g) hereof;

(vii) an opinion of Debevoise & Plimpton LLP, special New York counsel for the Selling Stockholder, dated the Option Closing Date, relating to the Additional Shares to be purchased on such Option Closing Date and otherwise to the same effect as the opinion required by Section 6(h) hereof;

(viii) an opinion of McDermott Will & Schulte LLP, Delaware counsel for the Selling Stockholder, dated the dated the Option Closing Date, relating to the Additional Shares to be purchased on such Option Closing Date and otherwise to the same effect as the opinion required by Section 6(i) hereof;

(ix) a letter dated the Option Closing Date, in form and substance satisfactory to the Representatives, from Ernst & Young LLP, independent public accountants, substantially in the same form and substance as the letter furnished to the Underwriters pursuant to Section 6(j) hereof; *provided* that the letter delivered on the Option Closing Date shall use a “cut-off date” not earlier than two business days prior to such Option Closing Date;

(x) a certificate, of the Company’s chief financial officer, confirming that the certificate delivered on the Closing Date pursuant to Section 6(k) hereof remains true and correct as of such Option Closing Date; and

(xi) such other documents as the Representatives may reasonably request with respect to the good standing of the Company, the due authorization and issuance of the Additional Shares to be sold on such Option Closing Date and other matters related to the issuance of such Additional Shares.

7. Covenants of the Company. The Company covenants with each Underwriter as follows:

(a) To furnish to the Representatives, without charge, four signed copies of the Registration Statements (including exhibits thereto and documents incorporated by reference) and for delivery to each other Underwriter a conformed copy of the Registration Statements (without exhibits thereto but including documents incorporated by reference) and to furnish to the Representatives in New York City, without charge, prior to 10:00 a.m. New York City time on the business day next succeeding the date of this Agreement and during the period mentioned in Section 7(e) or 7(f) below, as many copies of the Time of Sale Prospectus, the Prospectus, any documents incorporated by reference therein and any supplements and amendments thereto or to the Registration Statements as the Representatives may reasonably request.

(b) Before amending or supplementing the Registration Statements, the Time of Sale Prospectus or the Prospectus, to furnish to the Representatives a copy of each such proposed amendment or supplement and not to file any such proposed amendment or supplement to which the Representatives reasonably object, and to file with the Commission within the applicable period specified in Rule 424(b) under the Securities Act any prospectus required to be filed pursuant to such Rule.

(c) To furnish to the Representatives a copy of each proposed free writing prospectus to be prepared by or on behalf of, used by, or referred to by the Company and not to use or refer to any proposed free writing prospectus to which the Representatives reasonably objects.

(d) Not to take any action that would result in an Underwriter or the Company being required to file with the Commission pursuant to Rule 433(d) under the Securities Act a free writing prospectus prepared by or on behalf of the Underwriter that the Underwriter otherwise would not have been required to file thereunder.

(e) If the Time of Sale Prospectus is being used to solicit offers to buy the Securities at a time when the Prospectus is not yet available to prospective purchasers and any event shall occur or condition exist as a result of which it is necessary to amend or supplement the Time of Sale Prospectus in order to make the statements therein, in the light of the circumstances, not misleading, or if any event shall occur or condition exist as a result of which the Time of Sale Prospectus conflicts with the information contained in the Registration Statements then on file, or if, in the opinion of counsel for the Underwriters, it is necessary to amend or supplement the Time of Sale Prospectus to comply with applicable law, forthwith to prepare, file with the Commission and furnish, at its own expense, to the Underwriters and to any dealer upon request, either amendments or supplements to the Time of Sale Prospectus so that the statements in the Time of Sale Prospectus as so amended or supplemented will not, in the light of the circumstances when the Time of Sale Prospectus is delivered to a prospective purchaser, be misleading or so that the Time of Sale Prospectus, as amended or supplemented, will no longer conflict with the Registration Statements, or so that the Time of Sale Prospectus, as amended or supplemented, will comply with applicable law.

(f) If, during such period after the first date of the public offering of the Securities as in the opinion of counsel for the Underwriters the Prospectus (or in lieu thereof the notice referred to in Rule 173(a) of the Securities Act) is required by law to be delivered in connection with sales by an Underwriter or dealer, any event shall occur or condition exist as a result of which it is necessary to amend or supplement the Prospectus in order to make the statements therein, in the light of the circumstances when the Prospectus (or in lieu thereof the notice referred to in Rule 173(a) of the Securities Act) is delivered to a purchaser, not misleading, or if, in the opinion of counsel for the Underwriters, it is necessary to amend or supplement the Prospectus to comply with applicable law, forthwith to prepare, file with the Commission and furnish, at its own expense, to the Underwriters and to the dealers (whose names and addresses the Representatives will furnish to the Company) to which Securities may have been sold by the Representatives on behalf of the Underwriters and to any other dealers upon request, either amendments or supplements to the Prospectus so that the statements in the Prospectus as so amended or supplemented will not, in the light of the circumstances when the Prospectus (or in lieu thereof the notice referred to in Rule 173(a) of the Securities Act) is delivered to a purchaser, be misleading or so that the Prospectus, as amended or supplemented, will comply with applicable law.

(g) To endeavor to qualify the Securities for offer and sale under the securities or Blue Sky laws of such jurisdictions as the Representatives shall reasonably request.

(h) To make generally available to the Company's security holders and to the Representatives as soon as reasonably practicable an earnings statement covering a period of at least twelve months beginning with the first fiscal quarter of the Company occurring after the date of this Agreement which shall satisfy the provisions of Section 11(a) of the Securities Act and the rules and regulations of the Commission thereunder.

(i) Whether or not the transactions contemplated in this Agreement are consummated or this Agreement is terminated, to pay or cause to be paid all expenses incident to the performance of its obligations under this Agreement, including: (i) the fees, disbursements and expenses of the Company's counsel and the Company's accountants in connection with the registration and delivery of the Securities and Warrant Shares under the Securities Act, including the costs of reproducing and distributing each of the Pre-Funded Warrants, and all other fees or expenses in connection with the preparation and filing of the Registration Statements, any preliminary prospectus, the Time of Sale Prospectus, the Prospectus, any free writing prospectus prepared by or on behalf of, used by, or referred to by the Company and amendments and supplements to any of the foregoing, including all printing costs associated therewith, and the mailing and delivering of copies thereof to the Underwriters and dealers, in the quantities hereinabove specified, (ii) all costs and expenses related to the transfer and delivery of the Securities to the Underwriters, including any transfer or other taxes payable thereon, (iii) the cost of printing or producing any Blue Sky or Legal Investment memorandum in connection with the offer and sale of the Securities under state securities laws and all expenses in connection with the qualification of the Securities for offer and sale under state securities laws as provided in Section 7(g) hereof, including filing fees and the reasonable fees and disbursements of counsel for the Underwriters in connection with such qualification and in connection with the Blue Sky or Legal Investment memorandum, (iv) all filing fees and the reasonable fees and disbursements of counsel to the Underwriters incurred in connection with the review and qualification of the offering of the Securities by the Financial Industry Regulatory Authority; *provided*, that, the amount payable by the Company with respect to fees and disbursements of counsel for the Underwriters pursuant to subsections (iii) and (iv) shall not exceed \$30,000 in the aggregate, (v) all costs and expenses incident to listing the Shares on Nasdaq, (vi) the cost of printing certificates representing the Securities and Warrant Shares, (vii) the costs and charges of any transfer agent, registrar or depository, (viii) the costs and expenses of the Company relating to investor presentations on any "road show" undertaken in connection with the marketing of the offering of the Securities, including, without limitation, expenses associated with the preparation or dissemination of any electronic road show, expenses associated with the production of road show slides and graphics, fees and expenses of any consultants engaged in

connection with the road show presentations with the prior approval of the Company, travel and lodging expenses of the representatives and officers of the Company and any such consultants, and 50% of the cost of any aircraft chartered in connection with the road show (with the remaining 50% of the cost of such aircraft to be paid by the Underwriters), (ix) the document production charges and expenses associated with printing this Agreement, (x) the reasonable fees and expenses of one counsel for the Selling Stockholder, not to exceed \$35,000 and (xi) all other costs and expenses incident to the performance of the obligations of the Company hereunder for which provision is not otherwise made in this Section. It is understood, however, that except as provided in this Section, Section 10 entitled "Indemnity and Contribution" and the last paragraph of Section 12 below, the Underwriters will pay all of their costs and expenses, including fees and disbursements of their counsel, stock transfer taxes payable on resale of any of the Securities by them and any advertising expenses connected with any offers they may make.

(j) The Company will deliver to each Underwriter (or its agent), on the date of execution of this Agreement, a properly completed and executed Certification Regarding Beneficial Owners of Legal Entity Customers, together with copies of identifying documentation, and the Company undertakes to provide such additional supporting documentation as each Underwriter may reasonably request in connection with the verification of the foregoing Certification.

The Company also covenants with each Underwriter that, without the prior written consent of Jefferies LLC, Leerink Partners LLC and Morgan Stanley & Co. LLC on behalf of the Underwriters, it will not, and will not publicly disclose an intention to, during the period ending 45 days after the date of the Prospectus (the "**Restricted Period**"), (1) offer, pledge, sell, contract to sell, sell any option or contract to purchase, purchase any option or contract to sell, grant any option, right or warrant to purchase, lend, or otherwise transfer or dispose of, directly or indirectly, any shares of Common Stock or any securities convertible into or exercisable or exchangeable for Common Stock, or (2) enter into any swap or other arrangement that transfers to another, in whole or in part, any of the economic consequences of ownership of the Common Stock, whether any such transaction described in clause 1 or 2 above is to be settled by delivery of Common Stock or such other securities, in cash or otherwise or (3) file any registration statement with the Commission relating to the offering of any shares of Common Stock or any securities convertible into or exercisable or exchangeable for Common Stock.

The restrictions contained in the preceding paragraph shall not apply to (A) the Securities to be sold hereunder, including, for the avoidance of doubt, the issuance by the Company of the Warrant Shares upon the exercise of Pre-Funded Warrants, (B) the issuance by the Company of shares of common stock or securities convertible into or exercisable for shares of Common Stock upon the exercise of an option or warrant or the conversion of a security outstanding on the date hereof as described in each of the Time of Sale Prospectus and Prospectus, (C) the issuance by the Company of shares of Common Stock or options to purchase shares of, Common Stock to employees, officers, directors, advisors or consultants of the Company pursuant to employee benefit plans as described in each of the Time of Sale Prospectus and Prospectus, provided that, prior to

the issuance of any such shares or the grant of any such options to any director or executive officer elected or appointed following the date of this Agreement and prior to the end of the Restricted Period, the Company shall cause each such recipient of such grant or issuance to execute and deliver a “lock-up” agreement, substantially in the form of Exhibit A hereto, (D) the filing by the Company of registration statements on Form S-8 with respect to the employee benefit plans described in the Time of Sale Prospectus and Prospectus, (E) the sale or issuance of or entry into an agreement to sell or issue shares of the Common Stock in connection with the Company’s acquisition of one or more businesses, products, assets or technologies (whether by means of merger, stock purchase, asset purchase or otherwise) or in connection with joint ventures, collaboration or licensing agreements, marketing or distribution arrangements, commercial relationships or other strategic transactions; provided, that, the aggregate number of shares of Common Stock that the Company may sell or issue or agree to sell or issue pursuant to this clause (E) shall not exceed 5% of the total number of shares of Common Stock issued and outstanding immediately following the completion of the transactions contemplated by this Agreement and provided further that the Company shall cause each recipient of such shares to execute and deliver to you, on or prior to such issuance, a “lock up” agreement, substantially in the form of Exhibit A hereto, (F) facilitating the establishment of a trading plan on behalf of a stockholder, officer or director of the Company pursuant to Rule 10b5-1 under the Exchange Act for the transfer of shares of Common Stock, provided that (i) such plan does not provide for the transfer of Common Stock during the Restricted Period and (ii) to the extent a public announcement or filing under the Exchange Act, if any, is required of or voluntarily made by the Company regarding the establishment of such plan, such announcement or filing shall include a statement to the effect that no transfer of Common Stock may be made under such plan during the Restricted Period, or (G) the issuance of shares of Common Stock pursuant to a placement made under any “at-the-market” offering program described in the Time of Sale Prospectus and the Prospectus, provided that no shares may be offered or sold pursuant to such program during the period ending 30 days after the date of the Prospectus.

8. *Covenants of the Selling Stockholder.* The Selling Stockholder covenants with each Underwriter as follows:

(a) The Selling Stockholder will deliver a lock-up agreement, substantially in the form of Exhibit A hereto.

(b) The Selling Stockholder will not take, directly or indirectly, any action designed to or that might cause or result in stabilization or manipulation of the price of the Shares or any reference security with respect to the Shares, whether to facilitate the sale or resale of the Shares or otherwise, and the Selling Stockholder will, and shall cause each of its affiliates to, comply with all applicable provisions of Regulation M.

(c) The Selling Stockholder will advise you promptly, and if requested by you, will confirm such advice in writing, during the period when a prospectus relating to the Shares is required by the Securities Act to be delivered (whether physically or through compliance with Rule 172 under the Securities Act or any similar rule), of (i) any change in information in the Selling Stockholder Information or (ii) any new material information that would cause the Selling Stockholder Information to become untrue or misleading in any material respect.

(d) To deliver to the Representatives prior to the Closing Date a properly completed and executed United States Treasury Department Form W-8 (if the Selling Stockholder is a non-United States person) or Form W-9 (if the Selling Stockholder is a United States Person).

(e) The Selling Stockholder agrees with each Underwriter to pay (directly or by reimbursement) all fees and expenses incident to the performance of their obligations under this Agreement that are not otherwise specifically provided for herein, including but not limited to (i) fees and expenses of counsel and other advisors for the Selling Stockholder (except to the extent such fees are required to be paid by the Company pursuant to this Agreement) and (ii) expenses and taxes incident to the sale and delivery of the Shares to be sold by the Selling Stockholder to the Underwriters hereunder.

9. *Covenants of the Underwriters.* Each Underwriter, severally and not jointly, covenants with the Company not to take any action that would result in the Company being required to file with the Commission under Rule 433(d) a free writing prospectus prepared by or on behalf of such Underwriter that otherwise would not be required to be filed by the Company thereunder, but for the action of the Underwriter.

10. *Indemnity and Contribution.* (a) (i) The Company agrees to indemnify and hold harmless each Underwriter, each person, if any, who controls any Underwriter within the meaning of either Section 15 of the Securities Act or Section 20 of the Exchange Act and each affiliate of any Underwriter within the meaning of Rule 405 under the Securities Act from and against any and all losses, claims, damages and liabilities (including, without limitation, any legal or other expenses reasonably incurred in connection with defending or investigating any such action or claim) that arise out of, or are based upon, any untrue statement or alleged untrue statement of a material fact contained in the Registration Statements or any amendment thereof, any preliminary prospectus, the Time of Sale Prospectus or any amendment or supplement thereto, any issuer free writing prospectus as defined in Rule 433(h) under the Securities Act, any Company information that the Company has filed, or is required to file, pursuant to Rule 433(d) under the Securities Act, any "road show" as defined in Rule 433(h) under the Securities Act (a "road show"), the Prospectus or any amendment or supplement thereto, or any Testing-the-Waters Communication, or arise out of, or are based upon, any omission or alleged omission to state therein a material fact required to be stated therein or necessary to make the statements therein not misleading, except insofar as such losses, claims, damages or liabilities arise out of, or are based upon, any such untrue statement or omission or alleged untrue statement or omission made in reliance upon and in conformity with any information relating to any Underwriter furnished to the Company in writing by

such Underwriter through the Representatives expressly for use therein, it being understood and agreed that the only such information furnished by the Underwriters through the Representatives consists of the Underwriter Information; and (ii) the Selling Stockholder agrees to indemnify and hold harmless each Underwriter, each person, if any, who controls any Underwriter within the meaning of either Section 15 of the Securities Act or Section 20 of the Exchange Act and each affiliate of any Underwriter within the meaning of Rule 405 under the Securities Act from and against any and all losses, claims, damages and liabilities (including, without limitation, any legal or other expenses reasonably incurred in connection with defending or investigating any such action or claim) that arise out of, or are based upon, any untrue statement or alleged untrue statement of a material fact contained in the Registration Statements or any amendment thereof, any preliminary prospectus, the Time of Sale Prospectus or any amendment or supplement thereto, any issuer free writing prospectus as defined in Rule 433(h) under the Securities Act, any Company information that the Company has filed, or is required to file, pursuant to Rule 433(d) under the Securities Act, any “road show” as defined in Rule 433(h) under the Securities Act (a “road show”), the Prospectus or any amendment or supplement thereto, or any Testing-the-Waters Communication, or arise out of, or are based upon, any omission or alleged omission to state therein a material fact required to be stated therein or necessary to make the statements therein not misleading, but only with reference to the Selling Stockholder Information. Notwithstanding anything to the contrary in this Section 10(a), the aggregate liability of the Selling Stockholder under this Section 10(a) shall not exceed the net proceeds (after deducting underwriting discounts and commissions but before deducting other offering expenses) received by the Selling Stockholder from the sale of Shares pursuant to this Agreement. The Selling Stockholder’s indemnification obligations under this Section 10(a) shall be several and not joint with the Company.

(b) Each Underwriter agrees, severally and not jointly, to indemnify and hold harmless the Company, its directors, its officers who sign the Registration Statements, the Selling Stockholder and each person, if any, who controls the Company or the Selling Stockholder within the meaning of either Section 15 of the Securities Act or Section 20 of the Exchange Act to the same extent as the foregoing indemnity from the Company or the Selling Stockholder to such Underwriter, but only with reference to information relating to such Underwriter furnished to the Company in writing by such Underwriter through the Representatives expressly for use in the Registration Statements, any preliminary prospectus, the Time of Sale Prospectus, any issuer free writing prospectus, road show, or the Prospectus or any amendment or supplement thereto; it being understood and agreed that the only such information furnished by the Underwriters consists of the Underwriter Information.

(c) In case any proceeding (including any governmental investigation) shall be instituted involving any person in respect of which indemnity may be sought pursuant to Section 10(a) or 10(b), such person (the “**indemnified party**”) shall promptly notify the person against whom such indemnity may be sought (the “**indemnifying party**”) in writing and the indemnifying party, upon request of the

indemnified party, shall retain counsel reasonably satisfactory to the indemnified party to represent the indemnified party and any others the indemnifying party may designate in such proceeding and shall pay the reasonably incurred fees and disbursements of such counsel related to such proceeding. In any such proceeding, any indemnified party shall have the right to retain its own counsel, but the fees and expenses of such counsel shall be at the expense of such indemnified party unless (i) the indemnifying party and the indemnified party shall have mutually agreed to the retention of such counsel or (ii) the named parties to any such proceeding (including any impleaded parties) include both the indemnifying party and the indemnified party and representation of both parties by the same counsel would be inappropriate due to actual or potential differing interests between them. It is understood that the indemnifying party shall not, in respect of the legal expenses of any indemnified party in connection with any proceeding or related proceedings in the same jurisdiction, be liable for the fees and expenses of more than one separate firm (in addition to any local counsel) for all such indemnified parties and that all such fees and expenses shall be reimbursed as they are incurred. Such firm shall be designated in writing by the Representatives (with the consent of the Selling Stockholder, such consent not to be unreasonably withheld, conditioned or delayed, in the case where the Selling Stockholder is the indemnifying party), in the case of parties indemnified pursuant to Section 10(a), and by the Company or the Selling Stockholder, as applicable, in the case of parties indemnified pursuant to Section 10(b). The indemnifying party shall not be liable for any settlement of any proceeding effected without its written consent, but if settled with such consent or if there be a final judgment for the plaintiff, the indemnifying party agrees to indemnify the indemnified party from and against any loss or liability by reason of such settlement or judgment. Notwithstanding the foregoing sentence, if at any time an indemnified party shall have requested an indemnifying party to reimburse the indemnified party for fees and expenses of counsel as contemplated by the second and third sentences of this paragraph, the indemnifying party agrees that it shall be liable for any settlement of any proceeding effected without its written consent if (i) such settlement is entered into more than 30 days after receipt by such indemnifying party of the aforesaid request and (ii) such indemnifying party shall not have reimbursed the indemnified party in accordance with such request prior to the date of such settlement. No indemnifying party shall, without the prior written consent of the indemnified party, effect any settlement of any pending or threatened proceeding in respect of which any indemnified party is or could have been a party and indemnity could have been sought hereunder by such indemnified party, unless such settlement includes an unconditional release of such indemnified party from all liability on claims that are the subject matter of such proceeding and does not include a statement as to or an admission of fault, culpability or a failure to act by or on behalf of any indemnified party.

(d) To the extent the indemnification provided for in Section 10(a) or 10(b) is unavailable to an indemnified party or insufficient in respect of any losses, claims, damages or liabilities referred to therein, then each indemnifying party under such paragraph, in lieu of indemnifying such indemnified party thereunder, shall contribute to the amount paid or payable by such indemnified party as a result of such losses, claims, damages or liabilities (i) in such proportion as is appropriate to reflect the

relative benefits received by the Company and the Selling Stockholder, severally, on the one hand and the Underwriters on the other hand from the offering of the Securities or (ii) if the allocation provided by clause 10(d)(i) above is not permitted by applicable law, in such proportion as is appropriate to reflect not only the relative benefits referred to in clause 10(d)(i) above but also the relative fault of the Company and the Selling Stockholder, severally, on the one hand and of the Underwriters on the other hand in connection with the statements or omissions that resulted in such losses, claims, damages or liabilities, as well as any other relevant equitable considerations. The relative benefits received by the Company and the Selling Stockholder, severally, on the one hand and the Underwriters on the other hand in connection with the offering of the Securities shall be deemed to be in the same respective proportions as the net proceeds from the offering of the Securities (before deducting expenses) received by the Company and the Selling Stockholder and the total underwriting discounts and commissions received by the Underwriters, in each case as set forth in the table on the cover of the Prospectus, bear to the aggregate (i) Public Offering Price of the Shares and (ii) the Public Offering Price Per Warrant of the Pre-Funded Warrants. The relative fault of the Company and the Selling Stockholder, severally, on the one hand and the Underwriters on the other hand 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 Selling Stockholder or by the Underwriters and the parties' relative intent, knowledge, access to information and opportunity to correct or prevent such statement or omission. The Underwriters' respective obligations to contribute pursuant to this Section 10 are several in proportion to the respective number of Securities they have purchased hereunder, and not joint. Notwithstanding the provisions of this Section 10, the Selling Stockholder shall not be required to contribute any amount in excess of the net proceeds (after deducting underwriting discounts and commissions but before deducting other offering expenses) received by the Selling Stockholder from the sale of Shares pursuant to this Agreement. The Selling Stockholder's contribution obligations shall be several and not joint with the Company.

(e) The Company, the Selling Stockholder and the Underwriters agree that it would not be just or equitable if contribution pursuant to this Section 10 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 that does not take account of the equitable considerations referred to in Section 10(d). The amount paid or payable by an indemnified party as a result of the losses, claims, damages and liabilities referred to in Section 10(d) shall be deemed to include, subject to the limitations set forth above, any legal or other expenses reasonably incurred by such indemnified party in connection with investigating or defending any such action or claim. Notwithstanding the provisions of this Section 10, no Underwriter shall be required to contribute any amount in excess of the amount by which the total price at which the Securities underwritten by it and distributed to the public were offered to the public exceeds the amount of any damages that such Underwriter has otherwise been required to pay by reason of such untrue or alleged untrue statement or omission or alleged omission. 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. The remedies provided for in this Section 10 are not exclusive and shall not limit any rights or remedies which may otherwise be available to any indemnified party at law or in equity.

(f) The indemnity and contribution provisions contained in this Section 10 and the representations, warranties and other statements of the Company and the Selling Stockholder contained in this Agreement shall remain operative and in full force and effect regardless of (i) any termination of this Agreement, (ii) any investigation made by or on behalf of any Underwriter, any person controlling any Underwriter or any affiliate of any Underwriter or by or on behalf of the Company, its officers or directors, the Selling Stockholder or any person controlling the Company or the Selling Stockholder and (iii) acceptance of and payment for any of the Securities.

11. *Termination.* The Underwriters may terminate this Agreement by notice given by the Representatives to the Company and the Selling Stockholder, if after the execution and delivery of this Agreement and prior to or on the Closing Date or any Option Closing Date, as the case may be, (i) trading generally shall have been suspended or materially limited on, or by, as the case may be, any of the New York Stock Exchange, the NYSE American, the Nasdaq, the Chicago Board of Options Exchange, the Chicago Mercantile Exchange or the Chicago Board of Trade, (ii) trading of any securities of the Company shall have been suspended on any exchange or in any over-the-counter market, (iii) a material disruption in securities settlement, payment or clearance services in the United States shall have occurred, (iv) any moratorium on commercial banking activities shall have been declared by Federal or New York State authorities or (v) there shall have occurred any outbreak or escalation of hostilities, or any change in financial markets or any calamity or crisis that, in the Representatives' judgment, is material and adverse and which, singly or together with any other event specified in this clause (v), makes it, in the Representatives' judgment, impracticable or inadvisable to proceed with the offer, sale or delivery of the Securities on the terms and in the manner contemplated in the Time of Sale Prospectus or the Prospectus.

12. *Effectiveness; Defaulting Underwriters.* This Agreement shall become effective upon the execution and delivery hereof by the parties hereto.

If, on the Closing Date or an Option Closing Date, as the case may be, any one or more of the Underwriters shall fail or refuse to purchase Securities that it has or they have agreed to purchase hereunder on such date, and the aggregate number of Securities which such defaulting Underwriter or Underwriters agreed but failed or refused to purchase is not more than one-tenth of the aggregate number of the Securities to be purchased on such date, the other Underwriters shall be obligated severally in the proportions that the number of Firm Securities set forth opposite their respective names in Schedule I bears to the aggregate number of Firm Securities set forth opposite the names of all such non-defaulting Underwriters, or in such other proportions as the Representatives may specify, to purchase the Securities which such defaulting Underwriter or Underwriters

agreed but failed or refused to purchase on such date; *provided* that in no event shall the number of Securities that any Underwriter has agreed to purchase pursuant to this Agreement be increased pursuant to this Section 12 by an amount in excess of one-ninth of such number of Securities without the written consent of such Underwriter. If, on the Closing Date, any Underwriter or Underwriters shall fail or refuse to purchase Firm Securities and the aggregate number of Firm Securities with respect to which such default occurs is more than one-tenth of the aggregate number of Firm Securities to be purchased on such date, and arrangements satisfactory to the Representatives and the Company and the Selling Stockholder for the purchase of such Firm Securities are not made within 36 hours after such default, this Agreement shall terminate without liability on the part of any non-defaulting Underwriter, the Company or the Selling Stockholder. In any such case either the Representatives or the Company shall have the right to postpone the Closing Date, but in no event for longer than seven days, in order that the required changes, if any, in the Registration Statements, in the Time of Sale Prospectus, in the Prospectus or in any other documents or arrangements may be effected. If, on an Option Closing Date, any Underwriter or Underwriters shall fail or refuse to purchase Additional Shares and the aggregate number of Additional Shares with respect to which such default occurs is more than one-tenth of the aggregate number of Additional Shares to be purchased on such Option Closing Date, the non-defaulting Underwriters shall have the option to (i) terminate their obligation hereunder to purchase the Additional Shares to be sold on such Option Closing Date or (ii) purchase not less than the number of Additional Shares that such non-defaulting Underwriters would have been obligated to purchase in the absence of such default. Any action taken under this paragraph shall not relieve any defaulting Underwriter from liability in respect of any default of such Underwriter under this Agreement.

If this Agreement shall be terminated by the Underwriters, or any of them, because of any failure or refusal on the part of the Company or the Selling Stockholder to comply with the terms or to fulfill any of the conditions of this Agreement, or if for any reason the Company or the Selling Stockholder shall be unable to perform its obligations under this Agreement, the Company and the Selling Stockholder will reimburse the Underwriters or such Underwriters as have so terminated this Agreement with respect to themselves, severally, for all out-of-pocket expenses (including the fees and disbursements of their counsel) reasonably incurred by such Underwriters in connection with this Agreement or the offering contemplated hereunder.

13. *Failure of the Selling Stockholders to Sell and Deliver Firm Shares.* If the Selling Stockholder shall fail to sell and deliver to the Underwriters the Firm Shares to be sold and delivered by such Selling Stockholder at the Closing Date pursuant to this Agreement, then the Underwriters may at their option, by written notice from the Representatives to the Company and the Selling Stockholder, either (i) terminate this Agreement without any liability on the part of any Underwriter or, except as provided in Section 7(i), Section 8(e) and Section 10 hereof, the Company, or (ii) purchase the shares which the Company has agreed to sell and deliver in accordance with the terms hereof. If the Selling Stockholder shall fail to sell and deliver to the Underwriters the Firm Shares to be sold and delivered by the Selling Stockholders pursuant to this Agreement at the

Closing Date or the applicable Option Closing Date, then the Underwriters shall have the right, by written notice from the Representatives to the Company and the Selling Stockholder, to postpone the Closing Date or the applicable Option Closing Date, as the case may be, but in no event for longer than seven days in order that the required changes, if any, to the Registration Statements and the Prospectus or any other documents or arrangements may be effected.

14. *Entire Agreement.* (a) This Agreement, together with any contemporaneous written agreements and any prior written agreements (to the extent not superseded by this Agreement) that relate to the offering of the Securities, represents the entire agreement between the Company, the Selling Stockholder and the Underwriters with respect to the preparation of any preliminary prospectus, the Time of Sale Prospectus, the Prospectus, the conduct of the offering, and the purchase and sale of the Securities.

(b) The Company and the Selling Stockholder acknowledge that in connection with the offering of the Securities: (i) the Underwriters have acted at arm's length, are not agents of, and owe no fiduciary duties to, the Company, the Selling Stockholder or any other person, (ii) the Underwriters owe the Company and the Selling Stockholder only those duties and obligations set forth in this Agreement, any contemporaneous written agreements and prior written agreements (to the extent not superseded by this Agreement), if any, (iii) the Underwriters may have interests that differ from those of the Company and the Selling Stockholder, and (iv) none of the activities of the Underwriters in connection with the transactions contemplated herein constitutes a recommendation, investment advice, or solicitation of any action by the Underwriters with respect to any entity or natural person. The Company and the Selling Stockholder waive to the full extent permitted by applicable law any claims it may have against the Underwriters arising from an alleged breach of fiduciary duty in connection with the offering of the Securities.

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.

For purposes of this Section a “**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. *Counterparts.* This Agreement may be signed in two or more counterparts, each of which shall be an original, with the same effect as if the signatures thereto and hereto were upon the same instrument. Counterparts may be delivered via facsimile, electronic mail (including any electronic signature covered by the U.S. federal E-SIGN Act of 2000, Uniform Electronic Transactions Act, the Electronic Signatures and Records Act or other applicable law, e.g., www.docusign.com) or other transmission method and any counterpart so delivered shall be deemed to have been duly and validly delivered and be valid and effective for all purposes.

17. *Applicable Law.* This Agreement shall be governed by and construed in accordance with the internal laws of the State of New York.

18. *Headings.* The headings of the sections of this Agreement have been inserted for convenience of reference only and shall not be deemed a part of this Agreement.

19. *Notices.* All communications hereunder shall be in writing and effective only upon receipt and if to the Underwriters shall be delivered, mailed or sent to in care of Jefferies LLC, 520 Madison Avenue, New York, New York 10022, Attention: Global Head of Syndicate; Leerink Partners LLC in the care of Leerink Partners LLC, 1301 Avenue of the Americas, 12th Floor, New York, New York 10022, Attention: Stuart Nayman; if to the Company shall be delivered, mailed or sent to 321 Arsenal Street, Suite 101, Watertown, Massachusetts 02472, Attention: Chief Executive Officer; and if to the Selling Stockholder shall be delivered to c/o Access Industries Management, LLC, 40 West 57th Street, 28th Floor, New York, New York 10019, Attention: Matthew Auten.

Very truly yours,

Disc Medicine, Inc.

By: /s/ John Quisel

Name: John Quisel

Title: President and Chief Executive Officer

AI DMI LLC

By: Access Industries Management, LLC,
its Manager

By: /s/ Alejandro Moreno

Name: Alejandro Moreno

Title: Executive Vice President

By: /s/ Suzette Del Giudice

Name: Suzette Del Giudice

Title: Executive Vice President

Accepted as of the date hereof

Jefferies LLC
Leerink Partners LLC
Morgan Stanley & Co. LLC
Cantor Fitzgerald & Co.

Acting severally on behalf of themselves
and the several Underwriters named in
Schedule I hereto.

By: Jefferies LLC

By: /s/ Michael Brinkman
Name: Michael Brinkman
Title: Managing Director

By: Leerink Partners LLC

By: /s/ Sean Pitt
Name: Sean Pitt
Title: Senior Managing Director

By: Morgan Stanley & Co. LLC

By: /s/ Kalli Dircks
Name: Kalli Dircks
Title: Managing Director

By: Cantor Fitzgerald & Co.

By: /s/ Asif Ahmed
Name: Asif Ahmed
Title: Managing Director – Co-Head of ECM

SCHEDULE I

<u>Underwriter</u>	<u>Number of Firm Shares To Be Purchased</u>	<u>Number of Pre- Funded Warrants to Be Purchased</u>
Jefferies LLC	947,918	19,345
Leerink Partners LLC	802,084	16,369
Morgan Stanley & Co. LLC	656,251	13,393
Cantor Fitzgerald & Co.	379,166	7,738
Wedbush Securities Inc.	72,916	1,488
H.C. Wainwright & Co., LLC	58,333	1,190
Total:	<u>2,916,668</u>	<u>59,523</u>

Time of Sale Prospectus

Prospectus dated August 8, 2024 relating to the Shelf Securities
Prospectus dated January 24, 2023 relating to the Resale Shelf Securities
Preliminary Prospectus Supplement dated October 20, 2025

Price per share to the public: \$84.00
Number of firm shares offered by the Company: 2,619,049
Number of firm shares offered by the Selling Stockholder: 297,619
Underwriters' option to purchase additional shares from the Selling Stockholder: 446,428
Price per pre-funded warrant to the public: \$83.9999
Number of pre-funded warrants offered by the Company: 59,523

FORM OF LOCK-UP AGREEMENT

_____, 2025

Jefferies LLC
Leerink Partners LLC
Morgan Stanley & Co. LLC

c/o Jefferies LLC
520 Madison Avenue
New York, New York 10022

c/o Leerink Partners LLC
53 State Street, 40th Floor
Boston, Massachusetts 02109

c/o Morgan Stanley & Co. LLC
1585 Broadway, 29th Floor
New York, New York 10036

Ladies and Gentlemen:

The undersigned understands that Jefferies LLC, Leerink Partners LLC and Morgan Stanley & Co. LLC (the “**Representatives**”) propose to enter into an Underwriting Agreement (the “**Underwriting Agreement**”) with Disc Medicine, Inc., a Delaware corporation (the “**Company**”), providing for the public offering (the “**Public Offering**”) by the several Underwriters, including the Representatives (the “**Underwriters**”), of shares (the “**Shares**”) of the common stock, par value \$0.0001 per share, of the Company (“**Common Stock**”) and, in lieu of Common Stock to certain investors that so choose, pre-funded warrants to purchase shares of Common Stock (the “**Pre-Funded Warrants**”) and together with the Shares, the “**Securities**”).

To induce the Underwriters that may participate in the Public Offering to continue their efforts in connection with the Public Offering, the undersigned hereby agrees that, without the prior written consent of each of the Representatives on behalf of the Underwriters, it will not, and will not publicly disclose an intention to, during the period commencing on the date hereof and ending 45 days after the date of the prospectus (the “**Restricted Period**”) relating to the Public Offering (the “**Prospectus**”), (1) offer, pledge, sell, contract to sell, sell any option or contract to purchase, purchase any option or contract to sell, grant any option, right or warrant to purchase, lend, or otherwise transfer or dispose of, directly or indirectly, any shares of Common Stock beneficially owned (as such term is used in Rule 13d-3 of the Securities Exchange Act of 1934, as amended (the “**Exchange Act**”), by the undersigned or any other securities so owned convertible into or exercisable or exchangeable for Common Stock or (2) enter into any

swap or other arrangement that transfers to another, in whole or in part, any of the economic consequences of ownership of the Common Stock, whether any such transaction described in clause (1) or (2) above is to be settled by delivery of Common Stock or such other securities, in cash or otherwise. The foregoing sentence shall not apply to:

(a) transactions relating to shares of Common Stock or other securities acquired in the Public Offering or in open market transactions after the completion of the Public Offering, *provided* that no filing under Section 16(a) of the Exchange Act shall be required or shall be voluntarily made in connection with subsequent sales of Common Stock or other securities acquired in the Public Offering or in such open market transactions;

(b) transfers of shares of Common Stock or any security convertible into or exercisable or exchangeable for Common Stock as a bona fide gift or to a charitable organization or educational institution in a transfer not involving a disposition for value;

(c) transfers or dispositions of shares of Common Stock or any security convertible into or exercisable or exchangeable for Common Stock to any member of the immediate family of the undersigned or any trust for the direct or indirect benefit of the undersigned or the immediate family of the undersigned in a transaction not involving a disposition for value;

(d) distributions of shares of Common Stock or any security convertible into Common Stock to general or limited partners, members, beneficiaries or other equityholders of the undersigned, its direct or indirect affiliates (as defined in Rule 405 promulgated under the Securities Act of 1933, as amended) or to an investment fund or other entity that controls or manages, or is under common control with, the undersigned;

(e) transfers or dispositions of shares of Common Stock or any security convertible into or exercisable or exchangeable for Common Stock (i) by will, other testamentary document or intestate succession to the legal representative, heir, beneficiary or a member of the immediate family of the undersigned upon the death of the undersigned or (ii) by operation of law pursuant to orders of a court or regulatory agency, in connection with a negotiated divorce settlement or pursuant to a qualified domestic relations order;

(f) transfers or dispositions of shares of Common Stock or any security convertible into or exercisable or exchangeable for Common Stock to the Company pursuant to any contractual arrangement in effect on the date of this agreement and disclosed to the Underwriters in writing that provides for the repurchase of the undersigned's Common Stock or other securities by the Company or in connection with the termination of the undersigned's employment with or service to the Company; *provided* that (i) the repurchase price for any such shares or securities shall not exceed the original purchase price (subject to appropriate adjustment in the event of any stock dividend, stock split, combination or other similar recapitalization) paid and (ii) any filing under Section 16(a) of the Exchange Act reporting a reduction in beneficial ownership of shares of Common Stock shall indicate by footnote disclosure or otherwise the nature of the transfer or disposition);

(g) transfers or dispositions of shares of Common Stock or other securities to the Company in connection with the conversion of any convertible security into, or the exercise of any option or warrant for, shares of Common Stock (including by way of “net” or “cashless” exercise solely to cover withholding tax obligations in connection with such exercise or transfer to the Company for the payment of taxes as a result of such exercise); *provided* that (i) such convertible security, option or warrant is described in the Prospectus and is outstanding on the date thereof, (ii) any such shares of Common Stock received by the undersigned shall be subject to the terms of this agreement and (iii) no filing under Section 16(a) of the Exchange Act, reporting a reduction in beneficial ownership of shares of Common Stock, shall be required or shall be voluntarily made during the Restricted Period, other than a filing on a Form 4 that reports such disposition under the transaction code “F,” in which case, the filing shall clearly indicate in the footnotes thereto or comments section thereof that the filing relates to the exercise of a stock option or warrant, as the case may be, that no shares of Common Stock were sold by the reporting person and that the shares of Common Stock received upon exercise of the stock option or warrant are subject to a lock-up agreement with the Underwriters of the Public Offering;

(h) transfers or dispositions of shares of Common Stock in connection with the vesting or settlement of restricted stock units, so long as such sale is effected pursuant to the Company’s sell to cover policy solely in an amount sufficient to cover withholding taxes due in connection with such restricted stock units; *provided* that (i) any filing under Section 16(a) of the Exchange Act shall indicate in the footnotes thereto that the filing relates to the applicable circumstances described in this clause and (ii) no other public announcement shall be required or shall be made voluntarily in connection with such transfer;

(i) the establishment of a trading plan on behalf of a stockholder, officer or director of the Company pursuant to Rule 10b5-1 under the Exchange Act for the transfer of shares of Common Stock, *provided* that (i) such plan does not provide for the transfer of Common Stock during the Restricted Period and (ii) to the extent a public announcement or filing under the Exchange Act, if any, is required of or voluntarily made by or on behalf of the undersigned or the Company regarding the establishment of such plan, such announcement or filing shall include a statement to the effect that no transfer of Common Stock may be made under such plan during the Restricted Period;

(j) transfers of shares of Common Stock (or any securities convertible into or exercisable or exchangeable for Common Stock) pursuant to a bona fide third-party tender offer for shares of the Company’s capital stock made to all holders of the Company’s securities, merger, consolidation or other similar transaction approved by the Company’s board of directors and occurring after the closing of the Public Offering, the result of which is that any person (as defined in Section 13(d)(3) of the Exchange Act), or group of persons, other than the Company, becomes the beneficial owner (as defined in Rules 13d-3 and 13d-5 of the Exchange Act) of more than 50% of the total voting power

of the voting stock of the Company; *provided* that in the event that such change of control transaction is not completed, the shares of Common Stock (or any security convertible into or exercisable or exchangeable for Common Stock) owned by the undersigned shall remain subject to the restrictions contained in this agreement and title to the undersigned's shares shall remain with the undersigned; or

(k) the sale or transfer of shares of Common Stock pursuant to a written trading plan that has been entered into by the undersigned prior to the date of this letter agreement pursuant to Rule 10b5-1 under the Exchange Act; *provided* that no amendments or other modifications are made to such plans during the Restricted Period and that, to the extent a public announcement or filing under the Exchange Act, if any, is required or voluntarily made by or on behalf of the undersigned or the Company regarding such sales or transfers, such announcement or filing shall include a statement to the effect that the sale or transfer was made pursuant to a trading plan pursuant to Rule 10b5-1 of the Exchange Act;

provided that in the case of any transfer or distribution pursuant to clause (b), (c), (d) or (e), (i) each transferee, donee or distributee shall sign and deliver a lock-up agreement substantially in the form of this agreement and (ii) no filing under Section 16(a) of the Exchange Act, reporting a reduction in beneficial ownership of shares of Common Stock, shall be required or shall be voluntarily made during the Restricted Period (other than, with respect to clause (e) only, any Form 4 or Form 5 required to be filed under the Exchange Act if the undersigned is subject to Section 16 reporting with respect to the Company under the Exchange Act, in which case any such filing will indicate by footnote disclosure or otherwise the nature of the transfer or disposition).

For purposes of this agreement, "immediate family" shall mean any relationship by blood, marriage, domestic partnership or adoption, not more remote than first cousin. The undersigned acknowledges and agrees that the foregoing precludes the undersigned from engaging in any hedging or other transaction designed or intended, or which could reasonably be expected to lead to or result in, a sale or disposition of any shares of Common Stock, or any securities convertible into or exercisable or exchangeable for Common Stock, even if any such sale or disposition transaction or transactions would be made or executed by or on behalf of someone other than the undersigned. In addition, the undersigned agrees that, without the prior written consent of each of the Representatives on behalf of the Underwriters, it will not, during the Restricted Period, make any demand for or exercise any right with respect to, the registration of any shares of Common Stock or any security convertible into or exercisable or exchangeable for Common Stock. The undersigned also agrees and consents to the entry of stop transfer instructions with the Company's transfer agent and registrar against the transfer of the undersigned's shares of Common Stock except in compliance with the foregoing restrictions.

The undersigned understands that the Company and the Underwriters are relying upon this agreement in proceeding toward consummation of the Public Offering. The undersigned further understands that this agreement is irrevocable and shall be binding upon the undersigned's heirs, legal representatives, successors and assigns.

The undersigned acknowledges and agrees that the Underwriters have not provided any recommendation or investment advice nor have the Underwriters solicited any action from the undersigned with respect to the Public Offering and the undersigned has consulted their own legal, accounting, financial, regulatory and tax advisors to the extent deemed appropriate. The undersigned further acknowledges and agrees that, although the Underwriters may provide certain Regulation Best Interest and Form CRS disclosures or other related documentation to you in connection with the Public Offering, the Underwriters are not making a recommendation to you to participate in the Public Offering or sell any Securities at the price determined in the Public Offering, and nothing set forth in such disclosures or documentation is intended to suggest that any Underwriter is making such a recommendation. The undersigned further acknowledges and agrees that none of the Underwriters has made any recommendation or provided any investment or other advice to the undersigned with respect to this agreement or the subject matter hereof, and the undersigned has consulted its own legal, accounting, financial, regulatory, tax and other advisors with respect to this agreement and the subject matter hereof to the extent the undersigned has deemed appropriate.

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

The undersigned understands that, if (i) the Representatives, on the one hand, or the Company, on the other hand, informs the other in writing, prior to the execution of the Underwriting Agreement, that it has determined not to proceed with the Public Offering, (ii) 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 to be sold thereunder, (iii) the registration statement related to the Public Offering is withdrawn prior to the execution of the Underwriting Agreement or (iv) the Underwriting Agreement is not executed on or before November 14, 2025, then, in each case, this agreement shall automatically, and without any action on the part of any other party, be of no further force and effect, and the undersigned shall be automatically released from all obligations under this agreement.

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

Very truly yours,

(Name)

(Address)

DISC MEDICINE, INC.

FORM OF PRE-FUNDED WARRANT TO PURCHASE COMMON STOCK

Warrant No. []

Number of Shares: []

(subject to adjustment)

Original Issue Date: October [], 2025

Disc Medicine, Inc., a Delaware corporation (the "Company"), hereby certifies that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, [], or its permitted assigns (the "Holder"), is entitled to purchase from the Company up to a total of [] shares of common stock, \$0.0001 par value per share (the "Common Stock"), of the Company (each such share, a "Warrant Share" and all such shares, the "Warrant Shares") at an exercise price per share equal to \$0.0001 per share (as adjusted from time to time as provided in Section 9 herein, the "Exercise Price"), upon surrender of this Warrant to Purchase Common Stock (including any Warrants to Purchase Common Stock issued in exchange, transfer or replacement hereof, the "Warrant"), and subject to the following terms and conditions:

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

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

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

(c) "Closing Sale Price" means, for any security as of any date, the last trade price for such security on the Principal Trading Market for such security, as reported by Bloomberg Financial Markets, or, if such Principal Trading Market begins to operate on an extended hours basis and does not designate the last trade price, then the last trade price of such security prior to 4:00 P.M., New York City time, as reported by Bloomberg Financial Markets, or if the foregoing do not apply, the last trade price of such security in the over-the-counter market on the electronic bulletin board for such security as reported by Bloomberg Financial Markets, or, if no last trade price is reported for such security by Bloomberg Financial Markets, the average of the bid and ask prices, of any market makers for such security as reported in the OTC Link or "pink sheets" by OTC Markets Group Inc. (formerly OTC Markets Inc.). If the Closing Sale Price cannot be calculated for a security on a particular date on any of the foregoing bases, the Closing Sale Price of such security on such date shall be the fair market value as mutually determined by the Company and the Holder. If the Company and the Holder are unable to agree upon the fair market value of such security, then the Board of Directors of the Company shall use its good faith judgment to determine the fair market value. The determination of the Board of Directors of the Company shall be binding upon all parties absent demonstrable error. All such determinations shall be appropriately adjusted for any stock dividend, stock split, stock combination or other similar transaction during the applicable calculation period.

(d) "Exchange Act" means the Securities Exchange Act of 1934, as amended.

(e) "HSR Act" means the Hart-Scott-Rodino Antitrust Improvements Act of 1976, as amended.

(g) "Person" means an individual, a limited liability company, a partnership, a joint venture, a corporation, a trust, an unincorporated organization, any other entity and a government or any department or agency thereof.

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

(i) “Registration Statement” means the Company’s Registration Statement on Form S-3 (File No. 333-281359), that became effective on August 8, 2024.

(j) “SEC” means the United States Securities and Exchange Commission.

(k) “Securities Act” means the Securities Act of 1933, as amended.

(l) “Standard Settlement Period” means the standard settlement period, expressed in a number of Trading Days, for the Company’s primary trading market or quotation system with respect to the Common Stock that is in effect on the date of delivery of an applicable Exercise Notice (as defined below), which as of the Original Issue Date was “T+1”.

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

(n) “Transfer Agent” means Broadridge Corporate Issuer Solutions, Inc., the Company’s transfer agent and registrar for the Common Stock, and any successor appointed in such capacity.

(o) “Warrant Agent” means the Company.

2. Registration of Warrants. This Warrant, as initially issued by the Company, is offered and sold pursuant to the Registration Statement. As of the Original Issue Date, the Warrant Shares are issuable under the Registration Statement. Accordingly, the Warrant and, assuming issuance pursuant to the Registration Statement or an exchange meeting the requirements of Section 3(a)(9) of the Securities Act as in effect on the Original Issue Date, the Warrant Shares are not “restricted securities” under Rule 144 promulgated under the Securities Act. The Company shall register ownership of this Warrant upon records to be maintained by the Warrant Agent for that purpose (the “Warrant Register”), in the name of the record Holder (which shall include the initial Holder or, as the case may be, any registered assignee to which this Warrant is permissibly assigned hereunder) from time to time. The Company may deem and treat the registered Holder of this Warrant as the absolute owner hereof for the purpose of any exercise hereof or any distribution to the Holder, and for all other purposes, absent actual notice to the contrary.

3. Registration of Transfers. Subject to compliance with all applicable securities laws, the Company shall, or will cause the Warrant Agent to, register the transfer of all or any portion of this Warrant in the Warrant Register, upon surrender of this Warrant, together with a written assignment of this Warrant substantially in the form attached hereto as Schedule 2 duly executed by the Holder, and payment for all applicable transfer taxes accompanied by reasonable evidence of authority of the party making such request that may be required by the Warrant Agent. Upon any such registration or transfer, a new warrant to purchase Common Stock in substantially the form of this Warrant (any such new warrant, a “New Warrant”) evidencing the portion of this Warrant so transferred shall be issued to the transferee, and a New Warrant evidencing the remaining portion of this Warrant not so transferred, if any, shall be issued to the transferring Holder. The acceptance of the New Warrant by the transferee thereof shall be deemed the acceptance by such transferee of all of the rights and obligations in respect of the New Warrant that the Holder has in respect of this Warrant. The Company shall, or will cause the Warrant Agent to, prepare, issue and deliver at the Company’s own expense any New Warrant under this Section 3. Until due presentment for registration of transfer, the Company may treat the registered Holder hereof as the owner and holder for all purposes, and the Company shall not be affected by any notice to the contrary.

4. Exercise of Warrants.

(a) All or any part of this Warrant shall be exercisable by the registered Holder in any manner permitted by Section 10 of this Warrant at any time and from time to time on or after the Original Issue Date and such rights shall not expire.

(b) The Holder may exercise this Warrant by delivering to the Company (i) an exercise notice, in the form attached as Schedule 1 hereto (the “Exercise Notice”), completed and duly signed, and (ii) payment of the Exercise Price for the number of Warrant Shares as to which this Warrant is being exercised (which may take the form of a “cashless exercise” if so indicated in the Exercise Notice pursuant to Section 10 below), and the date on which the last of such items is delivered to the Company (as determined in accordance with the notice provisions hereof) is an “Exercise Date.” The Holder shall not be required to deliver the original Warrant in order to effect an exercise hereunder. Execution and delivery of the Exercise Notice shall have the same effect as cancellation of the original Warrant and issuance of a New Warrant evidencing the right to purchase the remaining number of Warrant Shares, if any.

5. Delivery of Warrant Shares.

(a) Upon exercise of this Warrant, the Company shall, or shall cause the Transfer Agent to, promptly (but in no event later than the number of Trading Days comprising the Standard Settlement Period) credit such aggregate number of shares of Common Stock to which the Holder is entitled pursuant to such exercise to the Holder’s or its designee’s balance account with The Depository Trust Company (“DTC”) through its Deposit/Withdrawal At Custodian system provided that the Transfer Agent is then a participant in the DTC Fast Automated Securities Transfer Program and either (A) there is an effective registration statement permitting the issuance of such Warrant Shares to or resale of such Warrant Shares by the Holder or (B) such Warrant Shares are eligible for resale by the Holder without volume or manner-of-sale limitations pursuant to Rule 144 promulgated under the Securities Act (assuming cashless exercise of this Warrant), and otherwise issue such Warrant Shares in the name of the Holder or its designee in restricted book-entry form in the Company’s share register. The Holder, or any Person permissibly so designated by the Holder to receive Warrant Shares, shall be deemed to have become the holder of record of such Warrant Shares as of the Exercise Date, irrespective of the date such Warrant Shares are credited to the Holder’s or its designee’s DTC account or the date of the book entry positions evidencing such Warrant Shares, as the case may be.

(b) If within the Standard Settlement Period after the Exercise Date, the Company fails to deliver to the Holder or its designee the required number of Warrant Shares in the manner required pursuant to Section 5(a) or fails to credit the Holder’s or its designee’s balance account with DTC for such number of Warrant Shares to which the Holder is entitled (other than a failure caused by incorrect or incomplete information provided by the Holder to the Company), and if after such number of Trading Days comprising the Standard Settlement Period and prior to the receipt of such Warrant Shares, the Holder purchases (in an open market transaction or otherwise) shares of Common Stock to deliver in satisfaction of a sale by the Holder of the Warrant Shares which the Holder anticipated receiving upon such exercise (a “Buy-In”), then the Company shall, within two (2) Trading Days after the Holder’s request and in the Holder’s sole discretion, either (1) pay in cash to the Holder an amount equal to the Holder’s total purchase price (including brokerage commissions, if any) for the shares of Common Stock so purchased, at which point the Company’s obligation to issue such Warrant Shares shall terminate or (2) promptly honor its obligation to deliver to the Holder or its designee such Warrant Shares or credit the Holder’s or its designee’s balance account with DTC for such Warrant Shares and pay cash to the Holder in an amount equal to the Holder’s total purchase price (including brokerage commissions, if any) for the shares of Common Stock so purchased in the Buy-In, less the product of (A) the number of shares of Common Stock purchased in the Buy-In, and (B) the Closing Sale Price of a share of Common Stock on the Exercise Date.

(c) To the extent permitted by law and subject to Section 5(b), the Company’s obligations to issue and deliver Warrant Shares in accordance with and subject to the terms hereof (including the limitations set forth in Section 11 below) are absolute and unconditional, irrespective of any action or inaction by the Holder to enforce the same, any waiver or consent with respect to any provision hereof, the recovery of any judgment against any Person or any action to enforce the same, or any setoff, counterclaim, recoupment, limitation or termination, or any breach or alleged breach by the Holder or any other Person of any obligation to the Company or any violation or alleged violation of law by the Holder or any other Person, and irrespective of any other circumstance that might otherwise limit such obligation of the Company to the Holder in connection with the issuance of Warrant Shares. Subject to Section 5(b), nothing herein shall limit the Holder’s right to pursue any other remedies available to it hereunder, at law or in equity including, without limitation, a decree of specific performance and/or injunctive relief with respect to the Company’s failure to timely deliver shares of Common Stock upon exercise of the Warrant as required pursuant to the terms hereof.

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

7. Replacement of Warrant. If this Warrant is mutilated, lost, stolen or destroyed, the Company shall issue or cause to be issued in exchange and substitution for and upon cancellation hereof, or in lieu of and substitution for this Warrant, a New Warrant, but only upon receipt of evidence reasonably satisfactory to the Company of such loss, theft or destruction (in such case) and, in each case, a customary and reasonable indemnity, if requested by the Company, but without any requirement that a surety bond be procured, provided or posted unless requested by a third-party transfer agent. If a New Warrant is requested as a result of a mutilation of this Warrant, then the Holder shall deliver such mutilated Warrant to the Company as a condition precedent to the Company's obligation to issue the New Warrant.

8. Reservation of Warrant Shares. The Company covenants that it will, at all times while this Warrant is outstanding, reserve and keep available out of the aggregate of its authorized but unissued and otherwise unreserved Common Stock, solely for the purpose of enabling it to issue Warrant Shares upon exercise of this Warrant as herein provided, the number of Warrant Shares that are issuable and deliverable upon the exercise of this entire Warrant, free from preemptive rights or any other contingent purchase rights of persons other than the Holder (taking into account the adjustments and restrictions of Section 9). The failure of the Company to reserve and keep available out of the aggregate of its authorized but unissued and otherwise unreserved Common Stock a sufficient number of shares of Common Stock to enable it to issue Warrant Shares upon exercise of this Warrant as herein provided is referred to herein as an "Authorized Share Failure." The Company covenants that all Warrant Shares so issuable and deliverable shall, upon issuance and the payment of the applicable Exercise Price in accordance with the terms hereof, be duly and validly authorized, issued and fully paid and non-assessable. The Company will take all actions as may be necessary to assure that such shares of Common Stock may be issued as provided herein without violation of any applicable law or regulation, or of any requirements of any securities exchange or automated quotation system upon which the Common Stock may be listed. The Company further covenants that it will not, without the prior written consent of the Holder, take any actions to increase the par value of the Common Stock at any time while this Warrant is outstanding. In furtherance of the Company's obligations set forth in this Section 8, as soon as practicable after the date of the occurrence of an Authorized Share Failure, but in no event later than ninety (90) days after the occurrence of such Authorized Share Failure, the Company shall hold a meeting of its stockholders for the approval of an increase in the number of authorized shares of Common Stock. In connection with such meeting, the Company shall provide each stockholder with a proxy statement and shall use its reasonable best efforts to solicit its stockholders' approval of such increase in authorized shares of Common Stock and to cause its board of directors to recommend to the stockholders that they approve such proposal.

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

(a) Stock Dividends and Splits. If the Company, at any time while this Warrant is outstanding, (i) pays a stock dividend on its Common Stock or otherwise makes a distribution on any class of capital stock issued and outstanding on the Original Issue Date and in accordance with the terms of such stock on the Original Issue Date or as amended, that is payable in shares of Common Stock, (ii) subdivides its outstanding shares of Common Stock into a larger number of shares of Common Stock, (iii) combines its outstanding shares of Common Stock into a smaller number of shares of Common Stock or (iv) issues by reclassification of shares of capital stock any additional shares of Common Stock of the Company, then in each such case the Exercise Price shall be multiplied by a fraction, the numerator of which shall be the number of shares of Common Stock outstanding immediately before such event and the denominator of which shall be the number of shares of Common Stock outstanding immediately after such event. Any adjustment made pursuant to clause (i) of this paragraph shall become effective immediately after the record date for the determination of stockholders entitled to receive such dividend or distribution, provided, however, that if such record date shall have been fixed and such dividend is not fully paid on the date fixed therefor,

the Exercise Price shall be recomputed accordingly as of the close of business on such record date and thereafter the Exercise Price shall be adjusted pursuant to this paragraph as of the time of actual payment of such dividends. Any adjustment pursuant to clause (ii), (iii) or (iv) of this paragraph shall become effective immediately after the effective date of such subdivision or combination.

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

(c) Purchase Rights. If at any time on or after the Original Issue Date, the Company grants, issues or sells any Options, Convertible Securities or rights to purchase stock, warrants, securities or other property, in each case pro rata to the record holders of any class of Common Stock (the "Purchase Rights"), then the Holder will be entitled to acquire, upon the terms applicable to such Purchase Rights, the aggregate Purchase Rights which the Holder could have acquired if the Holder had held the number of shares of Common Stock acquirable upon complete exercise of this Warrant (without regard to any limitations or restrictions on exercise of this Warrant, including without limitation, the Maximum Percentage or the HSR Threshold) immediately before the date on which a record is taken for the grant, issuance or sale of such Purchase Rights, or, if no such record is taken, the date as of which the record holders of Common Stock are to be determined for the grant, issuance or sale of such Purchase Rights (provided, that to the extent that the Holder's right to participate in any such Purchase Right would result in the Holder and the other Attribution Parties exceeding the Maximum Percentage or the HSR Threshold, then the Holder shall not be entitled to participate in such Purchase Right to such extent (and shall not be entitled to beneficial ownership of such Common Stock as a result of such Purchase Right (and beneficial ownership) to such extent) and such Purchase Right to such extent shall be held in abeyance for the benefit of the Holder until such time or times as its right thereto would not result in the Holder and the other Attribution Parties exceeding the Maximum Percentage or the HSR Threshold, at which time or times the Holder shall be granted such right (and any Purchase Right granted, issued or sold on such initial Purchase Right or on any subsequent Purchase Right to be held similarly in abeyance) to the same extent as if there had been no such limitation). As used in this Section 9(c), (i) "Options" means any rights, warrants or options to subscribe for or purchase shares of Common Stock or Convertible Securities and (ii) "Convertible Securities" means any stock or securities (other than Options) directly or indirectly convertible into or exercisable or exchangeable for shares of Common Stock.

(d) Fundamental Transactions. If, at any time while this Warrant is outstanding (i) the Company effects any merger or consolidation of the Company with or into another Person, in which the Company is not the surviving entity or the stockholders of the Company immediately prior to such merger or consolidation do not own, directly or indirectly, at least 50% of the voting power of the surviving entity immediately after such merger or consolidation, (ii) the Company effects any sale to another Person of all or substantially all of its assets in one or a series of related

transactions, (iii) pursuant to any tender offer or exchange offer (whether by the Company or another Person), holders of capital stock who tender shares representing more than 50% of the voting power of the capital stock of the Company and the Company or such other Person, as applicable, accepts such tender for payment, (iv) the Company consummates a stock purchase agreement or other business combination (including, without limitation, a reorganization, recapitalization, spin-off or scheme of arrangement) with another Person whereby such other Person acquires more than the 50% of the voting power of the capital stock of the Company (except for any such transaction in which the stockholders of the Company immediately prior to such transaction maintain, in substantially the same proportions, the voting power of such Person immediately after the transaction) or (v) the Company effects any reclassification of the Common Stock or any compulsory share exchange pursuant to which the Common Stock is effectively converted into or exchanged for other securities, cash or property (other than as a result of a subdivision, combination or reclassification of shares of Common Stock covered by Section 9(a) above) (in any such case, a “Fundamental Transaction”), then following such Fundamental Transaction the Holder shall have the right to receive, upon exercise of this Warrant, the same amount and kind of securities, cash or property as it would have been entitled to receive upon the occurrence of such Fundamental Transaction if it had been, immediately prior to such Fundamental Transaction, the holder of the number of Warrant Shares then issuable upon exercise in full of this Warrant without regard to any limitations on exercise contained herein, including, without limitation, the Maximum Percentage or the HSR Threshold (the “Alternate Consideration”). The Company shall not effect any Fundamental Transaction in which the Company is not the surviving entity or the Alternate Consideration includes securities of another Person unless (i) the Alternate Consideration is solely cash and the Company provides for the simultaneous “cashless exercise” of this Warrant pursuant to Section 10 below or (ii) prior to or simultaneously with the consummation thereof, any successor to the Company, surviving entity or other Person (including any purchaser of assets of the Company) shall assume the obligation to deliver to the Holder such Alternate Consideration as, in accordance with the foregoing provisions, the Holder may be entitled to receive, and the other obligations under this Warrant. The provisions of this paragraph (d) shall similarly apply to subsequent transactions analogous of a Fundamental Transaction type.

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

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

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

(h) Notice of Corporate Events. If, while this Warrant is outstanding, the Company (i) declares a dividend or any other pro rata distribution of cash, securities or other property in respect of its Common Stock, including, without limitation, any granting of rights or warrants to subscribe for or purchase any capital stock of the Company or any subsidiary, (ii) authorizes or approves, enters into any agreement contemplating or solicits stockholder approval for any Fundamental Transaction or (iii) authorizes the voluntary dissolution, liquidation or winding up of the affairs of the Company, then the Company shall deliver to the Holder a notice of such transaction at least fifteen (15) days prior to the applicable record or effective date on which a Person would need to hold Common Stock in order to participate in or vote with respect to such transaction; provided, however, that the failure to deliver such notice or any defect therein shall not affect the validity of the corporate action required to be described in such notice. In addition, if while this Warrant is outstanding, the Company authorizes or approves, enters into any agreement contemplating or solicits stockholder approval for any Fundamental Transaction contemplated by Section 9(d), other than a Fundamental Transaction under clause (iii) of Section 9(d), the Company shall deliver to the Holder a notice of such Fundamental Transaction at least thirty (30) days prior to the date such Fundamental Transaction is consummated. The Holder agrees to maintain any information disclosed pursuant to this Section 9(h) in confidence until such information is publicly available, and shall comply with applicable law with respect to trading in the Company’s securities following receipt of any such information.

10. Payment of Exercise Price. Notwithstanding anything contained herein to the contrary, the Holder may, in its sole discretion, satisfy its obligation to pay the Exercise Price through a “cashless exercise,” in which event the Company shall issue to the Holder the number of Warrant Shares in an exchange of securities effected pursuant to Section 3(a)(9) of the Securities Act, determined as follows:

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

where:

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

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

“A” equals the Closing Sale Price of the shares of Common Stock (as reported by Bloomberg Financial Markets) as of the Trading Day on the date immediately preceding the Exercise Date; and

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

For purposes of Rule 144 promulgated under the Securities Act, it is intended, understood and acknowledged that the Warrant Shares issued in a “cashless exercise” transaction shall be deemed to have been acquired by the Holder, and the holding period for the Warrant Shares shall be deemed to have commenced, on the date this Warrant was originally issued (provided that the SEC continues to take the position that such treatment is proper at the time of such exercise).

In the event that a registration statement registering the issuance of the Warrant Shares is, for any reason, not effective at the time of exercise of this Warrant, then the Warrant may only be exercised through a cashless exercise, as set forth in this Section 10. If Warrant Shares are issued in such a cashless exercise, the Company acknowledges and agrees that, in accordance with Section 3(a)(9) of the Securities Act, the Warrant Shares shall take on the characteristics of the Warrants being exercised, and the holding period of the Warrants being exercised may be tacked on to the holding period of the Warrant Shares (provided that the SEC continues to take the position that such treatment is proper at the time of such exercise).

11. Limitations on Exercise.

(a) Notwithstanding anything to the contrary contained herein, the Company shall not effect the exercise of any portion of this Warrant, and the Holder shall not have the right to exercise any portion of this Warrant, pursuant to the terms and conditions of this Warrant and any such exercise shall be null and void and treated as if never made, to the extent that immediately prior to or after giving effect to such exercise, the Holder, together with the other Attribution Parties, collectively would beneficially own in excess of [4.99%][9.99%][19.99%][24.99%] (the “Maximum Percentage”) of the number of shares of Common Stock outstanding immediately after giving effect to such exercise. For purposes of the foregoing sentence, the aggregate number of shares of Common Stock beneficially owned by the Holder and the other Attribution Parties shall include the number of shares of Common Stock held by the Holder and all other Attribution Parties plus the number of shares of Common Stock issuable upon exercise of this Warrant with respect to which the determination of such sentence is being made, but shall exclude the number of shares of Common Stock which would be issuable upon (A) exercise of the remaining, unexercised portion of this Warrant beneficially owned by the Holder or any of the other Attribution Parties and (B) exercise or conversion of the unexercised or unconverted portion of any other securities of the Company (including, without limitation, any convertible notes or convertible preferred stock or warrants, including any other Warrants) beneficially owned by the Holder or any other Attribution Party subject to a limitation on conversion or exercise analogous to the limitation contained in this Section 11(a). For purposes of this Section 11(a), beneficial ownership

shall be calculated in accordance with Section 13(d) of the Exchange Act, it being acknowledged by the Holder that the Company is not representing to the Holder that such calculation is in compliance with Section 13(d) of the Exchange Act and the Holder is solely responsible for any schedules required to be filed in accordance therewith. In addition, a determination as to any group status as contemplated above shall be determined in accordance with Section 13(d) of the Exchange Act and the rules and regulations promulgated thereunder. For purposes of this Warrant, in determining the number of outstanding shares of Common Stock the Holder may acquire upon the exercise of this Warrant without exceeding the Maximum Percentage, the Holder may rely on the number of outstanding shares of Common Stock as reflected in (x) the Company's most recent Annual Report on Form 10-K, Quarterly Report on Form 10-Q and Current Reports on Form 8-K or other public filing with the SEC, as the case may be, (y) a more recent public announcement by the Company or (z) any other written notice by the Company setting forth the number of shares of Common Stock outstanding (the "Reported Outstanding Share Number"). If the Company receives an Exercise Notice from the Holder at a time when the actual number of outstanding shares of Common Stock is less than the Reported Outstanding Share Number, the Company shall (i) notify the Holder in writing of the number of shares of Common Stock then outstanding and, to the extent that such Exercise Notice would otherwise cause the Holder's beneficial ownership, as determined pursuant to this Section 11(a), to exceed the Maximum Percentage, the Holder must notify the Company of a reduced number of Warrant Shares to be purchased pursuant to such Exercise Notice (the number of shares by which such purchase is reduced, the "Reduction Shares") and (ii) as soon as reasonably practicable, the Company shall return to the Holder any exercise price paid by the Holder for the Reduction Shares. For any reason at any time, upon the written or oral request of the Holder, the Company shall within one (1) Business Day confirm orally and in writing or by electronic mail to the Holder the number of shares of Common Stock then outstanding. In any case, the number of outstanding shares of Common Stock shall be determined after giving effect to the conversion or exercise of securities of the Company, including this Warrant, by the Holder and any other Attribution Party since the date as of which the Reported Outstanding Share Number was reported. In the event that the issuance of Common Stock to the Holder upon exercise of this Warrant results in the Holder and the other Attribution Parties being deemed to beneficially own, in the aggregate, more than the Maximum Percentage of the number of outstanding shares of Common Stock (as determined under Section 13(d) of the Exchange Act), the number of shares so issued by which the Holder's and the other Attribution Parties' aggregate beneficial ownership exceeds the Maximum Percentage (the "Excess Shares") shall be deemed null and void and shall be cancelled *ab initio*, and the Holder shall not have the power to vote or to transfer the Excess Shares. As soon as reasonably practicable after the issuance of the Excess Shares has been deemed null and void, the Company shall return to the Holder the exercise price paid by the Holder for the Excess Shares. Upon delivery of a written notice to the Company, the Holder may from time to time increase or decrease the Maximum Percentage to any other percentage (not in excess of 24.99% of the issued and outstanding shares of Common Stock immediately after giving effect to the issuance of the shares of Common Stock issuable upon exercise of this Warrant, regardless of whether exceeding that limit would result in a change of control under Nasdaq Listing Rule 5635(b) or any successor rule) as specified in such notice; provided that (i) any such increase in the Maximum Percentage will not be effective until the sixty-first (61st) day after such notice is delivered to the Company and (ii) any such increase or decrease will apply only to the Holder and the other Attribution Parties and not to any other holder of Warrants that is not an Attribution Party of the Holder, and (iii) no such decrease shall affect the validity of any prior exercise of Warrants by Holder or any Attribution Party. For purposes of clarity, the shares of Common Stock issuable pursuant to the terms of this Warrant in excess of the Maximum Percentage shall not be deemed to be beneficially owned by the Holder for any purpose including for purposes of Section 13(d) of the Exchange Act or Rule 16a-1(a)(1) promulgated under the Exchange Act. No prior inability to exercise this Warrant pursuant to this paragraph shall have any effect on the applicability of the provisions of this paragraph with respect to any subsequent determination of exercisability. The provisions of this paragraph shall be construed and implemented in a manner otherwise than in strict conformity with the terms of this Section 11(a) to the extent necessary to correct this paragraph or any portion of this paragraph which may be defective or inconsistent with the intended beneficial ownership limitation contained in this Section 11(a) or to make changes or supplements necessary or desirable to properly give effect to such limitation. The limitation contained in this paragraph may not be waived and shall apply to a successor holder of this Warrant.

(b) Notwithstanding anything to the contrary contained herein, if any exercise of this Warrant would result in the Holder, together with the other Attribution Parties, acquiring beneficial ownership of Warrant Shares (together with all other equity of the Company owned by the Holder at such time) with a value equal to or in excess of the notification threshold applicable to the Holder under the HSR Act as of the date of delivery of the applicable

Exercise Notice (the “HSR Threshold”), and no exemption to filing a notice and report form under the HSR Act is applicable, then only such portion of this Warrant, which when exercised does not exceed the HSR Threshold, shall be exercisable and the applicable Exercise Notice shall be deemed to relate only to such portion of this Warrant, and the remaining portion of this Warrant in excess of the HSR Threshold shall not be exercisable until the expiration or early termination of the applicable waiting period under the HSR Act or receipt of applicable approval. Upon expiration or early termination of the applicable waiting period under the HSR Act or receipt of applicable approval, such Holder shall not be subject to the limitations set forth in Section 11(a) hereto.

(c) This Section 11 shall not restrict the number of shares of Common Stock which a Holder may receive or beneficially own in order to determine the amount of securities or other consideration that such Holder may receive in the event of a Fundamental Transaction as contemplated in Section 9(d) of this Warrant.

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

13. Notices. Whenever notice is required to be given under this Warrant, including, without limitation, an Exercise Notice, unless otherwise provided herein, such notice shall be given effective on the earliest of: (a) the time of transmission, if such notice or communication is delivered via email attachment at the email address as set forth below at or prior to 5:30 p.m. (New York City time) on a Trading Day, (b) the next Trading Day after the date of transmission, if such notice or communication is delivered via email attachment at the email address as set forth below attached hereto on a day that is not a Trading Day or later than 5:30 p.m. (New York City time) on any Trading Day, (c) the second (2nd) Trading Day following the date of mailing, if sent by U.S. nationally recognized overnight courier service or (d) upon actual receipt by the party to whom such notice is required to be given, and will be delivered and addressed as follows:

(i) If to the Company, to:

Disc Medicine, Inc.
321 Arsenal Street, Suite 101
Watertown, MA 02472
Attention: John Quisel
Email: [***]

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

Goodwin Procter LLP
100 Northern Avenue
Boston, MA 02210
Attention: William D. Collins
Email: [***]

(ii) if to the Holder, at such address or other contact information delivered by the Holder to Company or as is on the books and records of the Company.

14. Warrant Agent. The Warrant Agent shall initially serve as warrant agent under this Warrant. Upon thirty (30) days’ notice to the Holder, the Company may appoint a new warrant agent. Any corporation into which the Warrant Agent or any new warrant agent may be merged or any corporation resulting from any consolidation to which the Warrant Agent or any new warrant agent shall be a party or any corporation to which the Warrant Agent or any new warrant agent transfers substantially all of its corporate trust or shareholders services business shall be a successor warrant agent under this Warrant without any further act. Any such successor warrant agent shall promptly cause notice of its succession as warrant agent to be mailed (by first class mail, postage prepaid) to the Holder at the Holder’s last address as shown on the Warrant Register.

15. Miscellaneous.

(a) No Rights as a Stockholder. Except as otherwise set forth in this Warrant, the Holder, solely in such Person's capacity as a holder of this Warrant, shall not be entitled to vote or receive dividends or be deemed the holder of share capital of the Company for any purpose, nor shall anything contained in this Warrant be construed to confer upon the Holder, solely in such Person's capacity as the Holder of this Warrant, any of the rights of a stockholder of the Company or any right to vote, give or withhold consent to any corporate action (whether any reorganization, issue of stock, reclassification of stock, consolidation, merger, amalgamation, conveyance or otherwise), receive notice of meetings, receive dividends or subscription rights, or otherwise, prior to the issuance to the Holder of the Warrant Shares which such Holder is then entitled to receive upon the due exercise of this Warrant. In addition, nothing contained in this Warrant shall be construed as imposing any liabilities on the Holder to purchase any securities (upon exercise of this Warrant or otherwise) or as a stockholder of the Company, whether such liabilities are asserted by the Company or by creditors of the Company.

(b) Authorized Shares.

(i) Except and to the extent as waived or consented to by the Holder, the Company shall not by any action, including, without limitation, amending its certificate or articles of incorporation or through any reorganization, transfer of assets, consolidation, merger, dissolution, issue or sale of securities or any other voluntary action, avoid or seek to avoid the observance or performance of any of the terms of this Warrant, but will at all times in good faith assist in the carrying out of all such terms and in the taking of all such actions as may be necessary or appropriate to protect the rights of Holder as set forth in this Warrant against impairment. Without limiting the generality of the foregoing, the Company will (a) not increase the par value of any Warrant Shares above the amount payable therefor upon such exercise immediately prior to such increase in par value, (b) take all such action as may be necessary or appropriate in order that the Company may validly and legally issue fully paid and nonassessable Warrant Shares upon the exercise of this Warrant, and (c) use commercially reasonable efforts to obtain all such authorizations, exemptions or consents from any public regulatory body having jurisdiction thereof as may be necessary to enable the Company to perform its obligations under this Warrant.

(ii) Before taking any action which would result in an adjustment in the number of Warrant Shares for which this Warrant is exercisable or in the Exercise Price, the Company shall obtain all such authorizations or exemptions thereof, or consents thereto, as may be necessary from any public regulatory body or bodies having jurisdiction thereof.

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

(d) Restrictions. The Holder acknowledges that the Warrant Shares acquired upon the exercise of this Warrant, if not registered and if the Holder does not utilize cashless exercise after expiration of the Rule 144 holding period, will contain a legend to the effect that the Warrant Shares are not registered.

(e) Amendment and Waiver. This Warrant may be amended only in writing signed by the Company and the Holder, or their successors and assigns. Except as otherwise provided herein, the provisions of the Warrants may be amended and the Company may take any action herein prohibited, or omit to perform any act herein required to be performed by it, only if the Company has obtained the written consent of the Holder.

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

(g) Governing Law; Jurisdiction. ALL QUESTIONS CONCERNING THE CONSTRUCTION, VALIDITY, ENFORCEMENT AND INTERPRETATION OF THIS WARRANT SHALL BE GOVERNED BY AND CONSTRUED AND ENFORCED IN ACCORDANCE WITH THE INTERNAL LAWS OF THE STATE OF NEW YORK WITHOUT REGARD TO THE PRINCIPLES OF CONFLICTS OF LAW THEREOF. EACH OF THE COMPANY AND THE HOLDER HEREBY IRREVOCABLY SUBMITS TO THE EXCLUSIVE JURISDICTION OF THE STATE AND FEDERAL COURTS SITTING IN THE STATE OF NEW YORK, BOROUGH OF MANHATTAN, FOR THE ADJUDICATION OF ANY DISPUTE HEREUNDER OR IN CONNECTION HERewith OR WITH ANY TRANSACTION CONTEMPLATED HEREBY OR DISCUSSED HEREIN (INCLUDING WITH RESPECT TO THE ENFORCEMENT OF ANY OF THE TRANSACTION DOCUMENTS), AND HEREBY IRREVOCABLY WAIVES, AND AGREES NOT TO ASSERT IN ANY SUIT, ACTION OR PROCEEDING, ANY CLAIM THAT IT IS NOT PERSONALLY SUBJECT TO THE JURISDICTION OF ANY SUCH COURT. EACH OF THE COMPANY AND THE HOLDER HEREBY IRREVOCABLY WAIVES PERSONAL SERVICE OF PROCESS AND CONSENTS TO PROCESS BEING SERVED IN ANY SUCH SUIT, ACTION OR PROCEEDING BY MAILING A COPY THEREOF VIA REGISTERED OR CERTIFIED MAIL OR OVERNIGHT DELIVERY (WITH EVIDENCE OF DELIVERY) TO SUCH PERSON AT THE ADDRESS IN EFFECT FOR NOTICES TO IT AND AGREES THAT SUCH SERVICE SHALL CONSTITUTE GOOD AND SUFFICIENT SERVICE OF PROCESS AND NOTICE THEREOF. NOTHING CONTAINED HEREIN SHALL BE DEEMED TO LIMIT IN ANY WAY ANY RIGHT TO SERVE PROCESS IN ANY MANNER PERMITTED BY LAW. EACH OF THE COMPANY AND THE HOLDER HEREBY WAIVES ALL RIGHTS TO A TRIAL BY JURY.

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

(i) Severability. In case any one or more of the provisions of this Warrant is held by a court of competent jurisdiction to be shall be invalid, illegal, void or unenforceable in any respect, the validity and enforceability of the remaining terms and provisions of this Warrant shall not in any way be affected or impaired thereby, and the Company and the Holder will attempt in good faith to agree upon a valid and enforceable provision which shall be a commercially reasonable substitute therefor, and upon so agreeing, shall incorporate such substitute provision in this Warrant. It is hereby stipulated and declared to be the intention of the parties that they would have executed the remaining terms, provisions, covenants and restrictions without including any of such that may be hereafter declared invalid, illegal, void or unenforceable.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, the Company has caused this Warrant to be duly executed as of the Original Issue Date set out above.

DISC MEDICINE, INC.

By: _____
Name:
Title:

SCHEDULE 1

FORM OF EXERCISE NOTICE

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

DISC MEDICINE, INC.

Ladies and Gentlemen:

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

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

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

Cash Exercise

"Cashless Exercise" under Section 10 of the Warrant

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

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

(6) By its delivery of this Exercise Notice, the undersigned represents and warrants to the Company that in giving effect to the exercise evidenced hereby the Holder, together with the other Attribution Parties, will not beneficially own in excess of the Maximum Percentage or the HSR Threshold.

Dated:

Name of Holder:

By: _____

Name: _____

Title: _____

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

ACKNOWLEDGMENT

The Company hereby acknowledges this Exercise Notice and hereby directs the Transfer Agent to issue the above indicated number of shares of Common Stock within the Standard Settlement Period.

DISC MEDICINE, INC.

By: _____

Name:

Title:

Schedule 2

ASSIGNMENT FORM

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

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

Name: _____
(Please Print)

Address: _____
(Please Print)

Phone Number:

Email Address:

Dated:

Holder's Signature:

Holder's Address:

October 20, 2025

Disc Medicine, Inc.
321 Arsenal Street, Suite 101
Watertown, MA 02472

Re: Securities Registered under Registration Statements on Form S-3

We have acted as counsel to you in connection with (i) your filing of a Registration Statement on Form S-3 (File No. 333-281359) (as amended or supplemented, the “Shelf Registration Statement”) filed on August 8, 2024 with the Securities and Exchange Commission (the “Commission”) pursuant to the Securities Act of 1933, as amended (the “Securities Act”), relating to the registration of the offer by Disc Medicine, Inc., a Delaware corporation (the “Company”), of up to an indeterminate amount of any combination of securities of the types specified therein and (ii) your filing of a Registration Statement on Form S-3 (File No. 333-269270) (as amended or supplemented, the “Resale Registration Statement” and, together with the Shelf Registration Statement, the “Registration Statements”) filed on January 18, 2023 with the Commission pursuant to the Securities Act, relating to the registration of 12,635,956 shares of the Company’s common stock, par value \$0.0001 per share (the “Common Stock”) offered by the selling stockholders named therein. Reference is made to (i) our opinion letter dated August 8, 2024 and included as Exhibit 5.1 to the Shelf Registration Statement and (ii) our opinion letter dated January 17, 2023 and included as Exhibit 5.1 to the Resale Registration Statement. We are delivering this supplemental opinion letter in connection with the prospectus supplement (the “Prospectus Supplement”) dated October 20, 2025, filed by the Company with the Commission pursuant to Rule 424 under the Securities Act. The Prospectus Supplement relates to the offering (i) by the Company of up to (a) 2,619,049 shares (the “Common Shares”) of Common Stock, and (b) pre-funded warrants (the “Pre-Funded Warrants”) to purchase up to 59,523 shares of Common Stock (such shares issuable upon exercise of the Pre-Funded Warrants, the “Pre-Funded Warrant Shares,” and together with the Common Shares, the “Primary Shares”) covered by the Shelf Registration Statement, and (ii) by the Selling Stockholders of 744,047 shares of Common Stock (the “Selling Stockholder Shares,” together with the Common and Primary Shares, the “Shares”) covered by the Resale Registration Statement. The Shares include an over-allotment option granted to the underwriters of the offering to purchase 446,428 Shares. The Common Shares, Pre-Funded Warrants and Selling Stockholder Shares are being sold to the several underwriters named in, and pursuant to, an underwriting agreement (the “Underwriting Agreement”) among the Company, the representatives of such underwriters, and the selling stockholder named therein (the “Selling Stockholder”).

We have reviewed such documents and made such examination of law as we have deemed appropriate to give the opinions set forth below. We have relied, without independent verification, on certificates of public officials and, as to matters of fact material to the opinions set forth below, on certificates of officers of the Company. For purposes of the opinion set forth in paragraph 3 below, we have assumed that before the Pre-Funded Warrant Shares are issued, the Company does not issue shares of Common Stock or reduce the total number of shares of Common Stock the Company is authorized to issue under its certificate of incorporation such that the number of unissued shares of Common Stock authorized under the Company’s certificate of incorporation is less than the number of Pre-Funded Warrant Shares.

The opinions set forth below are limited to the Delaware General Corporation Law and, with respect to opinion paragraph 2, the law of the State of New York.

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

1. The Common Shares have been duly authorized and, when delivered and paid for in accordance with the terms of the Underwriting Agreement, will be validly issued, fully paid and non-assessable.
2. The Pre-Funded Warrants have been duly authorized and executed by the Company and, when delivered and paid for in accordance with the terms of the Underwriting Agreement, will be valid and binding obligations of the Company.
3. Assuming the Pre-Funded Warrant Shares were issued today in accordance with the terms of the Pre-Funded Warrants, they would be validly issued, fully paid and non-assessable.

The opinions set forth above are subject to bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium and other similar laws of general application affecting the rights and remedies of creditors and to general principles of equity.

This opinion letter and the opinion it contains shall be interpreted in accordance with the Core Opinion Principles as published in *74 Business Lawyer* 815 (Summer 2019).

This opinion is being furnished to you for submission to the Commission as an exhibit to the Company's Current Report on Form 8-K relating to the Shares and Pre-Funded Warrants (the "Current Report"), which is incorporated by reference in the Registration Statements. We hereby consent to the inclusion of this opinion as Exhibit 5.1 to the Current Report and its incorporation by reference in the Registration Statements and the reference to our firm under the caption "Legal Matters" in the Prospectus Supplement. In giving our consent, we do not admit that we are in the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations thereunder.

Very truly yours,

/s/ Goodwin Procter LLP

GOODWIN PROCTER LLP



**Disc Medicine Announces Proposed Public Offering
of Common Stock and Pre-Funded Warrants**

WATERTOWN, Mass. (October 20, 2025) – Disc Medicine, Inc. (NASDAQ: IRON) (Disc), a clinical-stage biopharmaceutical company focused on the discovery, development, and commercialization of novel treatments for patients suffering from serious hematologic diseases, today announced the commencement of an underwritten offering of \$220.0 million of shares of its common stock and, in lieu of common stock to certain investors that so choose, pre-funded warrants to purchase shares of its common stock, of which \$200.0 million of shares are to be offered by Disc and \$20.0 million of shares are to be offered by AI DMI LLC (the Selling Stockholder). In addition, the Selling Stockholder intends to grant the underwriters a 30-day option to purchase up to an additional \$33.0 million of shares at the public offering price, less underwriting discounts and commissions. The proposed offering is subject to market and other conditions, and there can be no assurance as to whether or when the offering may be completed, or as to the actual size or terms of the offering.

Disc intends to use the net proceeds from the proposed offering to support the potential commercialization of bitopertin for erythropoietic protoporphyria (EPP) and X-linked protoporphyria (XLP), to fund research and clinical development of its current or additional product candidates, and for working capital and other general corporate purposes. Disc will not receive any proceeds from the sale of shares to be offered by the Selling Stockholder.

Jefferies, Leerink Partners, Morgan Stanley and Cantor are acting as joint book-running managers for the proposed offering.

The proposed offering is being made pursuant to an automatic shelf registration statement on Form S-3 (No. 333-281359) that was previously filed with the Securities and Exchange Commission (SEC) on August 8, 2024 and a resale registration statement on Form S-3 (No. 333-269270) that was previously filed with the SEC on January 18, 2023. This proposed offering is being made only by means of a prospectus supplement and accompanying prospectuses that form a part of the registration statements. A preliminary prospectus supplement and accompanying prospectuses related to the proposed offering will be filed with the SEC and will be available on the SEC's website at www.sec.gov. Copies of the preliminary prospectus supplement and the accompanying prospectuses relating to this proposed offering may also be obtained, when available, by contacting: Jefferies LLC, Attention: Equity Syndicate Prospectus Department, 520 Madison Avenue, 2nd Floor, New York, NY 10022, by telephone at (877) 821-7388, or by email at prospectus_department@jefferies.com; Leerink Partners LLC, Attention: Syndicate Department, 53 State Street, 40th Floor, Boston, MA 02109, (800) 808-7525 ext. 6105 or by email at syndicate@leerink.com; Morgan Stanley & Co. LLC, Attention: Prospectus Department, 180 Varick Street, 2nd Floor, New York, New York 10014; or Cantor Fitzgerald & Co., Attention: Capital Markets, 110 East 59th Street, 6th Floor, New York, New York, 10022, or by email at prospectus@cantor.com.

This press release does not constitute an offer to sell or a solicitation of an offer to buy these securities, nor shall there be any sale of these securities in any state or jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of that state or jurisdiction.



About Disc Medicine

Disc Medicine (NASDAQ: IRON) is a clinical-stage biopharmaceutical company committed to discovering, developing, and commercializing novel treatments for patients who suffer from serious hematologic diseases. We are building a portfolio of innovative, potentially first-in-class therapeutic candidates that aim to address a wide spectrum of hematologic diseases by targeting fundamental biological pathways of red blood cell biology, specifically heme biosynthesis and iron homeostasis.

Cautionary Statement Regarding Forward-Looking Statements

This press release contains “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995, as amended, including, without limitation, express or implied statements related to Disc’s expectations regarding the timing of the proposed offering, the anticipated use of proceeds from the offering and the anticipated grant to the underwriters of an option to purchase additional shares. The words “may,” “will,” “could,” “would,” “should,” “expect,” “plan,” “anticipate,” “intend,” “believe,” “estimate,” “predict,” “project,” “potential,” “continue,” “seek,” “target” and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Any forward-looking statements in this press release are based on management’s current expectations and beliefs and are subject to a number of risks, uncertainties and important factors that may cause actual events or results to differ materially from those expressed or implied by any forward-looking statements contained in this press release. These risks and uncertainties include fluctuations in Disc’s stock price, changes in market conditions, the completion of the public offering on the anticipated terms or at all and other risks identified in our SEC filings, including our Quarterly Report on Form 10-Q for the quarter ended June 30, 2025, and in the preliminary prospectus supplement related to the proposed offering we will file with the SEC. We caution you not to place undue reliance on any forward-looking statements, which speak only as of the date they are made. We disclaim any obligation to publicly update or revise any such statements to reflect any change in expectations or in events, conditions or circumstances on which any such statements may be based, or that may affect the likelihood that actual results will differ from those set forth in the forward-looking statements.

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**Disc Medicine Announces Pricing of \$250 Million Upsized Public Offering
of Common Stock and Pre-Funded Warrants**

WATERTOWN, Mass. (October 21, 2025) – Disc Medicine, Inc. (NASDAQ: IRON) (Disc), a clinical-stage biopharmaceutical company focused on the discovery, development, and commercialization of novel treatments for patients suffering from serious hematologic diseases, today announced the pricing of the upsized underwritten offering of shares of its common stock and, in lieu of common stock to certain investors that so choose, pre-funded warrants to purchase shares of its common stock. Disc is selling 2,619,049 shares of common stock and pre-funded warrants to purchase 59,523 shares of common stock and AI DMI LLC (the Selling Stockholder) is selling 297,619 shares of common stock in the offering. The shares of common stock are being sold at an offering price of \$84.00 per share, and the pre-funded warrants are being sold at an offering price of \$83.9999 per pre-funded warrant, which represents the per share offering price for the common stock less the \$0.0001 per share exercise price for each such pre-funded warrant. The aggregate gross proceeds to Disc from this offering are expected to be approximately \$225 million, before deducting underwriting discounts and commissions and other offering expenses, excluding the exercise of any pre-funded warrants. The aggregate gross proceeds to the Selling Stockholder from this offering are expected to be approximately \$25 million, before deducting underwriting discounts and commissions. In addition, the Selling Stockholder has granted the underwriters a 30-day option to purchase up to an additional 446,428 shares at the public offering price, less underwriting discounts and commissions. The offering is expected to close on October 22, 2025, subject to the satisfaction of customary closing conditions.

Disc intends to use the net proceeds from the offering to support the potential commercialization of bitopertin for erythropoietic protoporphyria (EPP) and X-linked protoporphyria (XLP), to fund research and clinical development of its current or additional product candidates, and for working capital and other general corporate purposes. Disc will not receive any proceeds from the sale of shares to be offered by the Selling Stockholder.

Jefferies, Leerink Partners, Morgan Stanley and Cantor are acting as joint book-running managers for the offering. Wedbush PacGrow and H.C. Wainwright & Co. are acting as co-managers for the offering.

The offering is being made pursuant to an automatic shelf registration statement on Form S-3 (No. 333-281359) that was previously filed with the Securities and Exchange Commission (SEC) on August 8, 2024 and a resale registration statement on Form S-3 (No. 333-269270) that was previously filed with the SEC on January 18, 2023. This offering is being made only by means of a prospectus supplement and accompanying prospectuses that form a part of the registration statements. A final prospectus supplement and accompanying prospectuses related to the offering will be filed with the SEC and will be available on the SEC's website at www.sec.gov. Copies of the final prospectus supplement and the accompanying prospectuses relating to this offering may also be obtained, when available, by contacting: Jefferies LLC, Attention: Equity Syndicate Prospectus Department, 520 Madison Avenue, 2nd Floor, New York, NY 10022, by telephone at (877) 821-7388, or by email at prospectus_department@jefferies.com; Leerink Partners LLC, Attention: Syndicate Department, 53 State Street, 40th Floor, Boston, MA 02109, (800) 808-7525 ext. 6105 or by email at syndicate@leerink.com; Morgan Stanley & Co. LLC, Attention: Prospectus Department, 180 Varick Street, 2nd Floor, New York, New York 10014; or Cantor Fitzgerald & Co., Attention: Capital Markets, 110 East 59th Street, 6th Floor, New York, New York, 10022, or by email at prospectus@cantor.com.



This press release does not constitute an offer to sell or a solicitation of an offer to buy these securities, nor shall there be any sale of these securities in any state or jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of that state or jurisdiction.

About Disc Medicine

Disc Medicine (NASDAQ: IRON) is a clinical-stage biopharmaceutical company committed to discovering, developing, and commercializing novel treatments for patients who suffer from serious hematologic diseases. We are building a portfolio of innovative, potentially first-in-class therapeutic candidates that aim to address a wide spectrum of hematologic diseases by targeting fundamental biological pathways of red blood cell biology, specifically heme biosynthesis and iron homeostasis.

Cautionary Statement Regarding Forward-Looking Statements

This press release contains “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995, as amended, including, without limitation, express or implied statements related to Disc’s expectations regarding the timing and closing of the offering, and the anticipated use of proceeds from the offering. The words “may,” “will,” “could,” “would,” “should,” “expect,” “plan,” “anticipate,” “intend,” “believe,” “estimate,” “predict,” “project,” “potential,” “continue,” “seek,” “target” and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Any forward-looking statements in this press release are based on management’s current expectations and beliefs and are subject to a number of risks, uncertainties and important factors that may cause actual events or results to differ materially from those expressed or implied by any forward-looking statements contained in this press release. These risks and uncertainties include fluctuations in Disc’s stock price, changes in market conditions, the satisfaction of customary closing conditions related to the underwritten offering, and other risks identified in our SEC filings, including our Quarterly Report on Form 10-Q for the quarter ended June 30, 2025, and in the prospectus supplement related to the offering we will file with the SEC. We caution you not to place undue reliance on any forward-looking statements, which speak only as of the date they are made. We disclaim any obligation to publicly update or revise any such statements to reflect any change in expectations or in events, conditions or circumstances on which any such statements may be based, or that may affect the likelihood that actual results will differ from those set forth in the forward-looking statements.

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