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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

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**FORM 8-K**

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

**Date of Report (Date of earliest event reported): July 9, 2020**

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**Vaccinex, Inc.**

(Exact name of registrant as specified in its charter)

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

**001-38624**  
(Commission  
File Number)

**16-1603202**  
(IRS Employer  
Identification No.)

**1895 Mount Hope Avenue, Rochester, New York**  
(Address of principal executive offices)

**14620**  
(Zip Code)

**Registrant's telephone number, including area code: (585) 271-2700**  
(Former name or former address, if changed since last report)

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Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

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

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

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, par value \$0.0001 per share	VCNX	Nasdaq Capital 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.

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### **Item 1.01 Entry into a Material Definitive Agreement.**

On July 9, 2020, Vaccinex, Inc. (the “Company”), entered into a stock purchase agreement (the “Stock Purchase Agreement”) with Friedberg Global-Macro Hedge Fund, Ltd. (the “Investor”), pursuant to which the Company agreed to issue and sell to the Investor, and the Investor agreed to purchase from the Company, 1,126,760 shares (the “Shares”) of common stock, par value \$0.0001 per share, of the Company (the “Common Stock”), at a purchase price of \$3.55 per Share (the average closing price of the Common Stock for the five trading days immediately preceding the signing of the Stock Purchase Agreement) (the “Private Placement”), for gross proceeds of \$4.0 million. The Stock Purchase Agreement contains customary representations and warranties of the parties. The closing of the Private Placement is expected to occur on July 10, 2020 (the “Closing Date”).

The Company intends to use the net proceeds from the Private Placement to fund the ongoing development of pepinemab, the Company’s lead product candidate, and for working capital and general corporate purposes.

Albert D. Friedberg, the Company’s chairman and beneficial owner of a majority of the outstanding Common Stock, controls Friedberg Mercantile Group, the investment manager of the Investor, which exercises voting and dispositive power over shares held directly by the Investor.

The Shares have not been registered under the Securities Act of 1933, as amended (the “1933 Act”), and are being issued and sold in a private placement pursuant to Section 4(a)(2) of the 1933 Act and Rule 506 of Regulation D as promulgated by the Securities and Exchange Commission (the “SEC”) under the 1933 Act. The Investor represented that it is an “accredited investor” within the meaning of Rule 501 of Regulation D and is acquiring the Shares for investment only and not with a view towards, or for resale in connection with, the public sale or distribution thereof. The Shares were offered without any general solicitation by the Company or its representatives.

On July 10, 2020, the Company entered into a registration rights agreement (the “Registration Rights Agreement”) with the Investor that affords the Investor certain registration rights with respect to the Shares. Under the Registration Rights Agreement, the Company has agreed, among other things, to use its reasonable best efforts to file with the SEC a registration statement covering the resale of the Shares by the 60th calendar day following the Closing Date and commercially reasonable efforts to cause such registration statement to become effective on or prior to the 90th calendar day following the Closing Date. The Company has also agreed to use commercially reasonable efforts to keep the registration statement effective until the Shares have been sold thereunder or until the Shares can be sold without restriction. If the Company fails to meet the specified deadlines for the effectiveness of the registration statement, the Company will be required to pay liquidated damages to the Investor, subject to maximum aggregate liquidated damages of 8.0% of the purchase price paid for the Shares. Interest on any unpaid liquidated damages will accrue at a rate of 1.0% per month. In addition, the Company agreed to provide the Investor with certain “piggy-back” registration rights that may require the Company to effect certain registrations to register the Shares for resale in the event that no registration statement registering the Shares is effective and the Company is otherwise filing a registration statement under the 1933 Act. The Registration Rights Agreement also contains certain indemnification and contribution provisions under which the Company and the Investor have agreed to indemnify each other against certain liabilities.

The foregoing summaries of the Stock Purchase Agreement and the Registration Rights Agreement do not purport to be complete and are subject to and qualified in their entirety by the terms of the Stock Purchase Agreement and the Registration Rights Agreement, copies of which are attached hereto as Exhibit 10.1 and Exhibit 10.2, respectively, and are incorporated by reference herein.

**Item 3.02 Unregistered Sales of Equity Securities.**

The information contained in Item 1.01 of this Current Report on Form 8-K is incorporated by reference into this Item 3.02. Neither this Current Report on Form 8-K nor any of the exhibits attached hereto is an offer to sell or a solicitation of an offer to buy shares of Common Stock or any other securities of the Company.

**Item 9.01 Financial Statements and Exhibits.**

The following exhibits are filed herewith:

<u>Exhibit Number</u>	<u>Exhibit Description</u>
10.1	<a href="#"><u>Stock Purchase Agreement by and between the Company and Friedberg Global-Macro Hedge Fund, Ltd., dated as of July 9, 2020</u></a>
10.2	<a href="#"><u>Registration Rights Agreement by and between the Company and Friedberg Global-Macro Hedge Fund, Ltd., dated as of July 10, 2020</u></a>

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**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.

**Vaccinex, Inc.**

Date: July 10, 2020

By: /s/ Scott E. Royer  
Scott E. Royer  
Chief Financial Officer

**STOCK PURCHASE AGREEMENT**

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## STOCK PURCHASE AGREEMENT

**THIS STOCK PURCHASE AGREEMENT** (this “**Agreement**”), is made as of July 9, 2020, by and between Vaccinex, Inc., a Delaware corporation (the “**Company**”), and Friedberg Global-Macro Hedge Fund Ltd. (the “**Investor**”).

### RECITALS

**WHEREAS**, the Company and the Investor are executing and delivering this Agreement in reliance upon the exemption from securities registration afforded by the provisions of Section 4(a)(2) of the 1933 Act (as defined below) and Rule 506 of Regulation D (“**Regulation D**”) as promulgated by the SEC (as defined below) under the 1933 Act;

**WHEREAS**, the Investor wishes to purchase from the Company, and the Company wishes to sell and issue to the Investor, upon the terms and subject to the conditions stated in this Agreement, an aggregate of 1,126,760 shares (the “**Shares**”) of the Company’s Common Stock, par value \$0.0001 per share (the “**Common Stock**”); and

**WHEREAS**, contemporaneously with the sale of the Shares, the parties hereto will execute and deliver a Registration Rights Agreement, in the form attached hereto as Exhibit A (the “**Registration Rights Agreement**”), pursuant to which the Company will agree to provide certain registration rights in respect of the Shares under the 1933 Act;

The parties hereby agree as follows:

#### Section 1.     Purchase and Sale of Common Stock.

1.1 Sale and Issuance of the Shares. On the Closing Date (as defined below), upon the terms and subject to the conditions set forth herein, the Company will sell and issue, and the Investor will purchase, for a price of \$3.55 per Share, the Shares.

1.2 Closing; Delivery.

(a) Subject to the satisfaction or waiver of the conditions set forth in Section 5, the completion of the purchase and sale of the Shares (the “**Closing**”) shall occur remotely via exchange of documents and signatures at a time (the “**Closing Date**”) determined by the Company and of which the Investor will be notified at least two days in advance by the Company but (i) in no event earlier than the second Business Day after the date hereof and (ii) in no event later than the fifth Business Day after the date hereof, or as otherwise agreed to by the Company and the Investor.

(b) On the Closing Date, the Investor shall deliver or cause to be delivered to the Company, via wire transfer of immediately available funds pursuant to the wire instructions delivered to the Investor by the Company on or prior to the Closing Date, an amount equal to \$4,000,000.



(c) At the Closing, the Company shall deliver irrevocable instructions to the transfer agent and registrar for the Common Stock (the “**Transfer Agent**”) to issue to the Investor 1,126,760 Shares, registered in the name of the Investor (or its nominee in accordance with its delivery instructions). The Shares shall be delivered within one Trading Day of the Closing via a book-entry record through the Transfer Agent.

1.3 Defined Terms Used in this Agreement. In addition to the terms defined elsewhere in this Agreement, the following terms used in this Agreement shall be construed to have the meanings set forth or referenced below.

(a) “**1933 Act**” means the Securities Act of 1933, as amended, or any successor statute, and the rules and regulations promulgated thereunder.

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

(c) “**Affiliate**” means, with respect to any Person, any other Person which directly or indirectly through one or more intermediaries Controls, is controlled by, or is under common Control with such Person.

(d) “**Business Day**” means any day except Saturday, Sunday and any legal holiday or a day on which banking institutions in New York, New York generally are authorized or required by law or other governmental actions to close.

(e) “**Company Covered Person**” means, with respect to the Company as an “issuer” for purposes of Rule 506 promulgated under the 1933 Act, any Person listed in the first paragraph of Rule 506(d)(1).

(f) “**Company’s Knowledge**” means the actual knowledge of the executive officers (as defined in Rule 405 under the 1933 Act) of the Company.

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

(h) “**Material Adverse Effect**” means any fact, circumstance, change, event, occurrence or effect that, individually, or in the aggregate with any such other facts, circumstances, changes, events, occurrences or effects, would have, or would reasonably be expected to have, a material adverse effect on the financial condition, business, properties, assets, liabilities, or results of operations of the Company and its Subsidiary, taken as a whole.

(i) “**Material Contract**” means any contract, instrument or other agreement to which the Company is a party or by which it is bound that has been filed or was required to have been filed as an exhibit to the SEC Filings (as defined below) pursuant to Item 601(b)(4) or Item 601(b)(10) of Regulation S-K.

(j) “**Nasdaq**” means the Nasdaq Capital Market.

- (k) **“Person”** means any individual, firm, corporation, limited liability company, partnership, company or other entity, and shall include any successor (by merger or otherwise) of such entity.
- (l) **“Principal Trading Market”** means the Trading Market on which the Common Stock is primarily listed on and quoted for trading, which, as of the date of this Agreement and the Closing Date, shall be Nasdaq.
- (m) **“SEC”** means the U.S. Securities and Exchange Commission.
- (n) **“Short Sales”** means all “short sales” as defined in Rule 200 of Regulation SHO under the 1934 Act (but shall not be deemed to include the location and/or reservation of borrowable shares of Common Stock).
- (o) **“Subsidiary”** means, with respect to any Person, any corporation, association or other business entity of which more than 50% of the voting power of the outstanding Voting Stock or of the membership interests is owned, directly or indirectly, by such Person and/or one or more other Subsidiaries of such Person.
- (p) **“Trading Day”** means (i) a day on which the Common Stock is listed or quoted and traded on its Principal Trading Market (other than the OTC Bulletin Board, OTCQX or OTCQB), or (ii) if the Common Stock is not listed on a Trading Market (other than the OTC Bulletin Board, OTCQX or OTCQB), a day on which the Common Stock is traded in the over-the-counter market, as reported by the OTC Bulletin Board or OTC Markets Group Inc., as applicable, or (iii) if the Common Stock is not quoted on any Trading Market, a day on which the Common Stock is quoted in the over-the-counter market as reported in the “pink sheets” by OTC Markets Group Inc. (or any similar organization or agency succeeding to its functions of reporting prices); provided, that in the event that the Common Stock is not listed or quoted as set forth in (i), (ii) or (iii) hereof, then Trading Day shall mean a Business Day.
- (q) **“Trading Market”** means whichever of the New York Stock Exchange, the NYSE American, the Nasdaq Global Select Market, the Nasdaq Global Market, the Nasdaq Capital Market, the OTC Bulletin Board, OTCQX or OTCQB on which the Common Stock is listed or quoted for trading on the date in question.
- (r) **“Transaction Documents”** means this Agreement and the Registration Rights Agreement.
- (s) **“Voting Stock”** means, with respect to any Person, capital stock of any class or kind ordinarily having the power to vote for the election of directors, managers or other voting members of the governing body of such Person.
- 1.4 Construction. Whenever required by the context, any pronoun used in this Agreement shall include the corresponding masculine, feminine or neuter forms, and the singular forms of nouns, pronouns, and verbs shall include the plural and vice versa. Reference to any agreement, document, or instrument means such agreement, document, or instrument as amended or otherwise modified from time to time in accordance with the

terms thereof and, if applicable, hereof. A reference to either party hereto includes such party's permitted assignees and/or the respective successors in title to substantially the whole of such party's undertaking. All references to "Sections" and "Exhibits" contained in this Agreement are, unless specifically indicated otherwise, references to sections or exhibits of or to this Agreement. The recitals and exhibits to this Agreement form part of the operative provisions of this Agreement and references to this Agreement shall, unless the context otherwise requires, include references to the recitals and exhibits to this Agreement. As used in this Agreement, the following terms shall have the meanings indicated: (a) "day" means a calendar day; (b) "United States" means the United States of America; (c) "dollar" or "\$" means lawful currency of the United States; (d) "including" or "include" means "including without limitation"; and (e) references in this Agreement to specific laws includes the succeeding law, section, or provision corresponding thereto and the rules and regulations promulgated thereunder.

Section 2. Representations and Warranties of the Company. The Company hereby represents and warrants to the Investor that, except as described in the Company's SEC Filings (as defined below), which qualify these representations and warranties in their entirety:

- 2.1 Organization, Good Standing and Qualification. The Company is a corporation duly organized, validly existing and in good standing under the laws of the jurisdiction of its incorporation and has all requisite corporate power and authority to carry on its business as now conducted and to own or lease its properties. The Company is duly qualified to do business as a foreign corporation and is in good standing in each jurisdiction in which the conduct of its business or its ownership or leasing of property makes such qualification or leasing necessary unless the failure to so qualify has not had and would not reasonably be expected to have a Material Adverse Effect. The Company's Subsidiary is set forth on Exhibit 21.1 to its most recent Annual Report on Form 10-K, and the Company owns 80% of the outstanding equity of such Subsidiary and is its sole general partner. The Company's Subsidiary is duly organized and validly existing and in good standing under the laws of its jurisdiction of incorporation and has all requisite power and authority to carry on its business as now conducted. The Company's Subsidiary is duly qualified to do business as a foreign corporation and is in good standing in each jurisdiction in which the conduct of its business or its ownership or leasing of property makes such qualification or leasing necessary unless the failure to so qualify has not had and would not reasonably be expected to have a Material Adverse Effect.
- 2.2 Authorization. The Company has the requisite corporate power and authority and has taken all requisite corporate action necessary for, and no further action on the part of the Company, its officers, directors and

stockholders is necessary for, (i) the authorization, execution and delivery of the Transaction Documents, (ii) the authorization of the performance of all obligations of the Company hereunder or thereunder, and (iii) the authorization, issuance (or reservation for issuance) and delivery of the Shares. This Agreement constitutes, and the Registration Rights Agreement when executed will constitute, the legal, valid and binding obligation of the Company, enforceable against the Company in accordance with its terms, subject to bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium and similar laws of general applicability, relating to or affecting creditors' rights generally and to general equitable principles.

- 2.3 Capitalization. The Company is authorized under its Certificate of Incorporation to issue 100,000,000 shares of Common Stock. As of the date hereof, a total of 17,123,482 shares of Common Stock are issued and outstanding, and there are a total of 3,325,052 shares of Common Stock underlying stock options and other securities exercisable for, convertible into or exchangeable for shares of Common Stock. All the issued and outstanding shares of the Company's capital stock have been duly authorized and validly issued and are fully paid and nonassessable. No Person is entitled to preemptive or similar statutory or contractual rights with respect to the issuance by the Company of any securities of the Company, including, without limitation, the Shares. Except for stock options approved pursuant to Company stock-based compensation plans described in the SEC Filings and securities exercisable for, convertible into or exchangeable for shares of capital stock of the Company disclosed in the SEC Filings, there are no outstanding warrants, options, convertible securities or other rights, agreements or arrangements of any character under which the Company is or may be obligated to issue any equity securities of any kind, except as contemplated by this Agreement. There are no voting agreements, buy-sell agreements, option or right of first purchase agreements or other agreements of any kind among the Company and any of the securityholders of the Company relating to the securities of the Company held by them. Except as disclosed in the SEC Filings, no Person has the right to require the Company to register any securities of the Company under the 1933 Act, whether on a demand basis or in connection with the registration of securities of the Company for its own account or for the account of any other Person. The issuance and sale of the Shares hereunder will not obligate the Company to issue shares of Common Stock or other securities to any other Person (other than the Investor) and will not result in the adjustment of the exercise, conversion, exchange or reset price of any outstanding security. The Company does not have outstanding stockholder purchase rights or "poison pill" or any similar arrangement in effect giving any Person the right to purchase any equity interest in the Company upon the occurrence of certain events.

- 2.4 Valid Issuance. The Shares have been duly and validly authorized and, when issued and paid for pursuant to this Agreement, will be validly issued, fully paid and nonassessable, and shall be free and clear of all encumbrances and restrictions (other than those created by the Investor), except for restrictions on transfer set forth in the Transaction Documents or imposed by applicable securities laws.
- 2.5 Consents. The execution, delivery and performance by the Company of the Transaction Documents and the offer, issuance and sale of the Shares require no consent of, action by or in respect of, or filing with, any Person, governmental body, agency, or official other than (a) filings that have been made pursuant to applicable state securities laws, (b) post-sale filings pursuant to applicable state and federal securities laws, (c) filings pursuant to the rules and regulations of Nasdaq and (d) filing of the registration statement required to be filed by the Registration Rights Agreement, each of which the Company has filed or undertakes to file within the applicable time.
- 2.6 Use of Proceeds. The net proceeds of the sale of the Shares hereunder shall be used by the Company to fund the ongoing development of pepinemab and for working capital and general corporate purposes.
- 2.7 No Material Adverse Change. Since December 31, 2019, except as identified and described in the SEC Filings filed at least one Trading Day prior to the date hereof, there has not been:

(a) any change in the consolidated assets, liabilities, financial condition or operating results of the Company from that reflected in the financial statements included in the SEC Filings, except for changes in the ordinary course of business which have not had and would not reasonably be expected to have a Material Adverse Effect, individually or in the aggregate;

(b) any declaration or payment by the Company of any dividend, or any authorization or payment by the Company of any distribution, on any of the capital stock of the Company, or any redemption or repurchase by the Company of any securities of the Company;

(c) any material damage, destruction or loss, whether or not covered by insurance, to any assets or properties of the Company;

(d) any waiver, not in the ordinary course of business, by the Company of a material right or of a material debt owed to it;

(e) any satisfaction or discharge of any lien, claim or encumbrance or payment of any obligation by the Company, except in the ordinary course of business and which is not material to the assets, properties, financial condition, operating results or business of the Company (as such business is presently conducted);

(f) any change or amendment to the Company's Certificate of Incorporation or Bylaws, or material change to any Material Contract or arrangement by which the Company is bound or to which any of its assets or properties is subject;

(g) any material labor difficulties or, to the Company's Knowledge, labor union organizing activities with respect to employees of the Company;

(h) any material transaction entered into by the Company other than in the ordinary course of business or as otherwise disclosed in writing to the Investor;

(i) the loss of the services of any key employee, or material change in the composition or duties of the senior management of the Company; or

(j) any other event or condition of any character that has had or would reasonably be expected to have a Material Adverse Effect.

2.8 SEC Filings. The Company has filed all reports, schedules, forms, statements and other documents required to be filed by the Company under the 1933 Act and the 1934 Act, including pursuant to Section 13(a) or 15(d) thereof, for the one year period preceding the date hereof (or such shorter period as the Company was required by law or regulation to file such material) (collectively, the "**SEC Filings**"). At the time of filing thereof, the SEC Filings complied in all material respects with the requirements of the 1933 Act or the 1934 Act, as applicable, and the rules and regulations of the SEC thereunder.

2.9 No Conflict, Breach, Violation or Default. The execution, delivery and performance of the Transaction Documents by the Company and the issuance and sale of the Shares in accordance with the provisions hereof will not, except (solely in the case of clauses (i)(b) and (ii)) for such violations, conflicts or defaults as would not reasonably be expected, individually or in the aggregate, to have a Material Adverse Effect, (i) conflict with or result in a breach or violation of (a) any of the terms and provisions of, or constitute a default under, the Company's Certificate of Incorporation or the Company's Bylaws, both as in effect on the date hereof (true and complete copies of which have been made available to the Investor through the Electronic Data Gathering, Analysis, and Retrieval system (the "**EDGAR system**")), or (b) assuming the accuracy of the representations and warranties in Section 3, any applicable statute, rule, regulation or order of any governmental agency or body or any court, domestic or foreign, having jurisdiction over the Company or its Subsidiary, or any of their assets or properties, or (ii) conflict with, or constitute a default (or an event that with notice or lapse of time or both would become a default) under, result in the creation of any lien, encumbrance or other adverse claim upon any of the properties or assets of the Company or its Subsidiary or give to others any rights of termination, amendment, acceleration or cancellation

(with or without notice, lapse of time or both) of, any Material Contract. This Section does not relate to matters with respect to tax status, which are the subject of Section 2.10, employee relations and labor matters, which are the subject of Section 2.13, or Environmental Laws (as defined below), which are the subject of Section 2.16.

- 2.10 Tax Matters. The Company and its Subsidiary have timely prepared and filed all material tax returns required to have been filed by them with all appropriate governmental agencies and timely paid all material taxes shown thereon or otherwise owed by them. There are no material unpaid assessments against the Company nor, to the Company's Knowledge, any audits by any federal, state or local taxing authority. All material taxes that the Company is required to withhold or to collect for payment have been duly withheld and collected and paid to the proper governmental entity or third party when due. There are no tax liens pending or, to the Company's Knowledge, threatened against the Company or any of its assets or property. With the exception of agreements or other arrangements that are not primarily related to taxes entered into in the ordinary course of business, there are no outstanding tax sharing agreements or other such arrangements between the Company and any other corporation or entity (other than a subsidiary of the Company).
- 2.11 Title to Properties. The Company and its Subsidiary have good and marketable title to all real properties and all other properties and assets owned by them, in each case free from liens, encumbrances and defects, except such as would not reasonably be expected, individually or in the aggregate, to have a Material Adverse Effect; and the Company and its Subsidiary hold any leased real or personal property under valid and enforceable leases with no exceptions, except such as would not reasonably be expected, individually or in the aggregate, to have a Material Adverse Effect.
- 2.12 Certificates, Authorities and Permits. The Company possesses adequate certificates, authorities or permits issued by appropriate governmental agencies or bodies necessary to conduct the business now operated by it, except where failure to so possess would not reasonably be expected, individually or in the aggregate, to result in a Material Adverse Effect. The Company has not received any written notice of proceedings relating to the revocation or modification of any such certificate, authority or permit that would reasonably be expected to have a Material Adverse Effect, individually or in the aggregate, on the Company.
- 2.13 Labor Matters. The Company is not party to or bound by any collective bargaining agreements or other agreements with labor organizations. To the Company's Knowledge, the Company has not violated in any material respect any laws, regulations, orders or contract terms affecting

the collective bargaining rights of employees or labor organizations, or any laws, regulations or orders affecting employment discrimination, equal opportunity employment, or employees' health, safety, welfare, wages and hours. No material labor dispute with the employees of the Company, or with the employees of any principal supplier, manufacturer, customer or contractor of the Company, exists or, to the Company's Knowledge, is threatened or imminent.

- 2.14 Intellectual Property. To the Company's Knowledge, the Company and its Subsidiary own, possess, license or have other rights to use, all patents, copyrights, trademarks, service marks, trade names, service names, trade secrets and other intellectual property described in the SEC Filings necessary for the conduct of the Company's business as currently conducted and that the failure to so have would have or reasonably be expected to result in a Material Adverse Effect (collectively, the "**Intellectual Property**"). There is no pending or, to the Company's Knowledge, threatened action, suit, proceeding or claim by any Person that the Company's business or the business of its Subsidiary as now conducted infringes or violates any patent, trademark, copyright, trade secret or other intellectual property rights of another. To the Company's Knowledge, there is no existing infringement by another Person of any of the Intellectual Property owned or exclusively licensed by the Company or its Subsidiary that would have or would reasonably be expected to have a Material Adverse Effect. The Company and its Subsidiary have taken reasonable security measures to protect the secrecy, confidentiality and value of the non-public portions of the Intellectual Property owned or exclusively licensed by the Company or its Subsidiary, except where failure to do so would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect.
- 2.15 Tests and Preclinical and Clinical Trials. The studies, tests and preclinical and clinical trials conducted by the Company or conducted on behalf of the Company that are described in the SEC Filings were and, if still pending, are being conducted in all material respects in accordance with the relevant experimental protocols, procedures and controls and all applicable laws; the descriptions of the results of such studies, tests and trials contained in the SEC Filings are accurate and complete and fairly present the data derived from such studies, tests and trials in all material respects as of the respective dates of such SEC Filings; the Company is not aware of any studies, tests or trials, the results of which the Company believes are materially inconsistent with the study, test or trial results described or referred to in the SEC Filings when viewed in the context in which such results are described and the clinical state of development; and the Company has not received any notices or written correspondence from the U.S. Food and Drug Administration or any other federal, state, local or foreign governmental or regulatory authority requiring the



termination, suspension or material modification of any studies, tests or preclinical or clinical trials conducted by or on behalf of the Company.

- 2.16 Environmental Matters. The Company is not in violation of any material statute, rule, regulation, decision or order of any governmental agency or body or any court, domestic or foreign, relating to the use, disposal or release of hazardous or toxic substances or relating to the protection or restoration of the environment or human exposure to hazardous or toxic substances (collectively, “**Environmental Laws**”), has not released any hazardous substances regulated by Environmental Law onto any real property that it owns or operates, and has not received any written notice or claim it is liable for any off-site disposal or contamination pursuant to any Environmental Laws, which violation, release, notice, claim, or liability would reasonably be expected, individually or in the aggregate, to have a Material Adverse Effect, and to the Company’s Knowledge, there is no pending or threatened investigation that would reasonably be expected to lead to such a claim.
- 2.17 Legal Proceedings. There are no legal, governmental or regulatory investigations, actions, suits or proceedings pending or, to the Company’s Knowledge, threatened in writing, to which the Company or its Subsidiary are or may reasonably be expected to become a party or to which any property of the Company or its Subsidiary are or may reasonably be expected to become the subject that, individually or in the aggregate, would reasonably be expected to have a Material Adverse Effect.
- 2.18 Financial Statements. The financial statements included in the SEC Filings comply in all material respects with applicable accounting requirements and the rules and regulations of the SEC with respect thereto as in effect at the time of filing (or to the extent corrected by a subsequent restatement) and present fairly, in all material respects, the consolidated financial position of the Company as of the dates shown and its consolidated results of operations and cash flows for the periods shown, subject in the case of unaudited financial statements to normal year-end audit adjustments, and such consolidated financial statements have been prepared in conformity with United States generally accepted accounting principles applied on a consistent basis during the periods involved (“**GAAP**”) (except as may be disclosed therein or in the notes thereto, and except that the unaudited financial statements may not contain all footnotes required by GAAP, and, in the case of quarterly financial statements, except as permitted by Form 10-Q under the 1934 Act).
- 2.19 Insurance. The Company maintains in full force and effect insurance coverage that is customary for comparably situated companies for the business being conducted and properties owned or leased by the

Company, and the Company reasonably believes such insurance coverage to be adequate against all liabilities, claims and risks against which it is customary for comparably situated companies to insure.

- 2.20 Nasdaq Listing. The Company is in compliance with applicable Nasdaq continued listing requirements. There are no proceedings pending or, to the Company's Knowledge, threatened against the Company relating to the continued listing of the Common Stock on Nasdaq and the Company has not received any notice of, nor to the Company's Knowledge is there any reasonable basis for, the delisting of the Common Stock from Nasdaq.
- 2.21 Brokers and Finders. No Person will have, as a result of the transactions contemplated by the Transaction Documents, any valid right, interest or claim against or upon the Company or the Investor for any commission, fee or other compensation pursuant to any agreement, arrangement or understanding entered into by or on behalf of the Company. No Investor shall have any obligation with respect to any fees, or with respect to any claims made by or on behalf of other Persons for fees, in each case of the type contemplated by this Section 2.21 that may be due in connection with the transactions contemplated by the Transaction Documents.
- 2.22 No Directed Selling Efforts or General Solicitation. Neither the Company nor any Person acting on its behalf has conducted any general solicitation or general advertising (as those terms are used in Regulation D promulgated under the 1933 Act) in connection with the offer or sale of any of the Shares.
- 2.23 No Integrated Offering. Neither the Company nor any Person acting on its behalf has, directly or indirectly, made any offers or sales of any Company security or solicited any offers to buy any Company security, under circumstances that would adversely affect reliance by the Company on Section 4(a)(2) and Regulation D for the exemption from registration for the transactions contemplated hereby.
- 2.24 Private Placement. Assuming the accuracy of the representations and warranties of the Investor set forth in Section 3, the offer and sale of the Shares to the Investor as contemplated hereby is exempt from the registration requirements of the 1933 Act. The issuance and sale of the Shares does not contravene the rules and regulations of Nasdaq.
- 2.25 Foreign Corrupt Practices. Neither the Company, its Subsidiary, nor to the Company's Knowledge, any director, officer, agent, employee or other Person acting on behalf of the Company or its Subsidiary has, in the course of its actions for, or on behalf of, the Company or its Subsidiary: (i) used any corporate funds for any unlawful contribution, gift, entertainment or other unlawful expenses relating to political

activity; (ii) made any direct or indirect unlawful payment to any foreign or domestic government official or employee from corporate funds; (iii) violated or is in violation of in any material respect any provision of the U.S. Foreign Corrupt Practices Act of 1977, as amended; or (iv) made any unlawful bribe, rebate, payoff, influence payment, kickback or other unlawful payment to any foreign or domestic government official or employee.

- 2.26 Transactions with Affiliates. Except as disclosed in the SEC Filings, none of the executive officers or directors of the Company and, to the Company's Knowledge, none of the employees of the Company or its Subsidiary is presently a party to any transaction with the Company or its Subsidiary (other than as holders of stock options and/or restricted stock, and for services as employees, officers and directors), including any contract, agreement or other arrangement providing for the furnishing of services to or by, providing for rental of real or personal property to or from, or otherwise requiring payments to or from any officer, director or such employee or, to the Company's Knowledge, any entity in which any officer, director, or any such employee has a substantial interest or is an officer, director, trustee or partner.
- 2.27 Internal Controls. The Company has established and maintains disclosure controls and procedures (as defined in Rules 13a-15 and 15d-15 under the 1934 Act), which are designed to ensure that material information relating to the Company, including its Subsidiary, is made known to the Company's principal executive officer and its principal financial officer by others within those entities. Since the end of the Company's most recent audited fiscal year, there have been no material weaknesses in the Company's internal control over financial reporting (whether or not remediated) and no change in the Company's internal control over financial reporting that has materially affected, or would reasonably be expected to materially affect, the Company's internal control over financial reporting. The Company is not aware of any change in its internal controls over financial reporting that has occurred during its most recent fiscal quarter that has materially affected, or would reasonably be expected to materially affect, the Company's internal control over financial reporting.
- 2.28 Manipulation of Price. The Company has not taken, nor will it take, directly or indirectly any action designed to stabilize or manipulate the price of the Common Stock or any security of the Company to facilitate the sale or resale of any of the Shares.
- 2.29 No Bad Actors. No "bad actor" disqualifying event described in Rule 506(d)(1)(i)-(viii) of the 1933 Act (a "**Disqualification Event**") is applicable to the Company or, to the Company's Knowledge, any

Company Covered Person, except for a Disqualification Event as to which Rule 506(d)(2)(ii-iv) or (d)(3) is applicable.

- 2.30 Investment Company. The Company is not required to be registered as, and is not an Affiliate of, and immediately following the Closing will not be required to register as, an “investment company” within the meaning of the Investment Company Act of 1940, as amended.

Section 3. Representations and Warranties of the Investor. The Investor hereby represents and warrants to the Company that:

- 3.1 Organization. The Investor is a duly organized and validly existing legal entity and has all requisite corporate, partnership, limited liability company or similar power and authority, as applicable, to enter into and consummate the transactions contemplated by the Transaction Documents, to carry out its obligations hereunder and thereunder, and to invest in the Shares pursuant to this Agreement, and is in good standing under the laws of the jurisdiction of its organization.
- 3.2 Authorization. The execution, delivery and performance by the Investor of the Transaction Documents have been duly authorized by all necessary corporate, partnership, limited liability company or similar action, as applicable, on the part of the Investor, and each has been duly executed and when delivered will constitute the valid and legally binding obligation of the Investor, enforceable against the Investor in accordance with their respective terms, subject to bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium and similar laws of general applicability, relating to or affecting creditors’ rights generally, and general principles of equity.
- 3.3 Purchase Entirely for Own Account. The Shares to be received by the Investor hereunder will be acquired for the Investor’s own account, not as nominee or agent, for the purpose of investment and not with a view to the resale or distribution of any part thereof in violation of the 1933 Act, and the Investor has no present intention of selling, granting any participation in, or otherwise distributing the same in violation of the 1933 Act without prejudice, however, to the Investor’s right at all times to sell or otherwise dispose of all or any part of such Shares in compliance with applicable federal and state securities laws. Nothing contained herein shall be deemed a representation or warranty by the Investor to hold the Shares for any period of time. The Investor is not a broker-dealer registered with the SEC under the 1934 Act or an entity engaged in a business that would require it to be so registered.
- 3.4 Investment Experience. The Investor acknowledges that it can bear the economic risk and complete loss of its investment in the Shares and has such knowledge and experience in financial or business matters that it is

capable of evaluating the merits and risks of the investment contemplated hereby.

- 3.5 Disclosure of Information. The Investor has had an opportunity to receive, review and understand all information related to the Company requested by it and to ask questions of and receive answers from the Company regarding the Company, its business and the terms and conditions of the offering of the Shares, and has conducted and completed its own independent due diligence. The Investor acknowledges that copies of the SEC Filings are available on the EDGAR system. Based on the information the Investor has deemed appropriate, it has independently made its own analysis and decision to enter into the Transaction Documents. The Investor is relying exclusively on its own investment analysis and due diligence (including professional advice it deems appropriate) with respect to the execution, delivery and performance of the Transaction Documents, the Shares and the business, condition (financial and otherwise), management, operations, properties and prospects of the Company, including but not limited to all business, legal, regulatory, accounting, credit and tax matters. Neither such inquiries nor any other due diligence investigation conducted by the Investor shall modify, limit or otherwise affect the Investor's right to rely on the Company's representations and warranties contained in this Agreement.
- 3.6 Restricted Securities. The Investor understands that the Shares are characterized as "restricted securities" under the U.S. federal securities laws inasmuch as they are being acquired from the Company in a transaction not involving a public offering and that under such laws and applicable regulations such securities may be resold without registration under the 1933 Act only in certain limited circumstances.
- 3.7 Legends. It is understood that, except as provided below, certificates evidencing the Shares (or uncertificated interests in the Shares) may bear the following or any similar legend:

(a) "THE SHARES REPRESENTED HEREBY HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933 AND HAVE BEEN ACQUIRED FOR INVESTMENT AND NOT WITH A VIEW TO, OR IN CONNECTION WITH, THE SALE OR DISTRIBUTION THEREOF. NO SUCH TRANSFER MAY BE EFFECTED WITHOUT AN EFFECTIVE REGISTRATION STATEMENT RELATED THERETO OR AN OPINION OF COUNSEL IN A FORM SATISFACTORY TO THE COMPANY THAT SUCH REGISTRATION IS NOT REQUIRED UNDER THE SECURITIES ACT OF 1933."

(b) If required by the authorities of any state in connection with the issuance of sale of the Shares, the legend required by such state authority.

- 3.8 Accredited Investor. The Investor is (a) an “accredited investor” within the meaning of Rule 501(a) of Regulation D. The Investor has executed and delivered to the Company a questionnaire in substantially the form attached hereto as Exhibit B (the “**Investor Questionnaire**”), which the Investor represents and warrants is true, correct and complete. The Investor is a sophisticated institutional investor with sufficient knowledge and experience in investing in private equity transactions to properly evaluate the risks and merits of its purchase of the Shares.
- 3.9 No General Solicitation. The Investor did not learn of the investment in the Shares as a result of any general or public solicitation or general advertising, or publicly disseminated advertisements or sales literature, including (a) any advertisement, article, notice or other communication published in any newspaper, magazine, website, or similar media, or broadcast over television or radio, or (b) any seminar or meeting to which the Investor was invited by any of the foregoing means of communications.
- 3.10 Brokers and Finders. No Person will have, as a result of the transactions contemplated by the Transaction Documents, any valid right, interest or claim against or upon the Company or the Investor for any commission, fee or other compensation pursuant to any agreement, arrangement or understanding entered into by or on behalf of the Investor.
- 3.11 Short Sales and Confidentiality Prior to the Date Hereof. Other than consummating the transactions contemplated hereunder, the Investor has not, nor has any Person acting on behalf of or pursuant to any understanding with the Investor, directly or indirectly executed any purchases or sales, including Short Sales, of the securities of the Company during the period commencing as of the time that the Investor was first contacted by the Company or any other Person regarding the transactions contemplated hereby and ending immediately prior to the date hereof. The Investor, its Affiliates and authorized representatives and advisors who are aware of the transactions contemplated by the Transaction Documents have maintained the confidentiality of all disclosures made to the Investor in connection with the transactions contemplated by the Transaction Documents (including the existence and terms of such transactions). Notwithstanding the foregoing, for avoidance of doubt, nothing contained herein shall constitute a representation or warranty, or preclude any actions, with respect to the identification of the availability of, or securing of, available shares to borrow in order to effect Short Sales or similar transactions in the future.
- 3.12 No Government Recommendation or Approval. The Investor understands that no United States federal or state agency, or similar agency of any other country, has reviewed, approved, passed upon, or

made any recommendation or endorsement of the Company or the purchase of the Shares.

- 3.13 No Conflicts. The execution, delivery and performance by the Investor of the Transaction Documents and the consummation by the Investor of the transactions contemplated hereby and thereby will not (i) result in a violation of the organizational documents of the Investor or (ii) conflict with, or constitute a default (or an event which with notice or lapse of time or both would become a default) under, or give to others any rights of termination, amendment, acceleration or cancellation of, any agreement, indenture or instrument to which the Investor is a party, or (iii) result in a violation of any law, rule, regulation, order, judgment or decree (including federal and state securities laws) applicable to the Investor, except in the case of clauses (ii) and (iii) above, for such conflicts, defaults, rights or violations which would not, individually or in the aggregate, reasonably be expected to have a material adverse effect on the ability of the Investor to perform its obligations hereunder.
- 3.14 Residency. The Investor's office in which its investment decision with respect to the Shares was made is located in Toronto, Ontario, Canada.
- 3.15 Financial Capability. The Investor has immediately available funds necessary to consummate the Closing on the terms and conditions contemplated by this Agreement.

#### Section 4. Covenants.

##### 4.1 Legend Removal.

(a) In connection with any sale, assignment, transfer or other disposition of the Shares by the Investor pursuant to Rule 144 or pursuant to any other exemption under the 1933 Act such that the purchaser acquires freely tradable shares and upon compliance by the Investor with the requirements of this Agreement, if requested by the Investor, the Company shall cause the Transfer Agent to remove any restrictive legends related to the book-entry account holding such Shares and make a new, unlegended book entry for such Shares sold or disposed of without restrictive legends within two Trading Days of any such request therefor from the Investor, provided that the Company has timely received from the Investor customary representations and other documentation reasonably acceptable to the Company in connection therewith.

(b) Subject to receipt from the Investor by the Company and the Transfer Agent of customary representations and other documentation reasonably acceptable to the Company and the Transfer Agent in connection therewith, upon the earliest of such time as the Shares (i) have been sold or transferred pursuant to an effective registration statement, (ii) have been sold pursuant to Rule 144, or (iii) are eligible for resale under Rule 144(b)(1) or any successor provision, the Company shall, in accordance with the provisions of this Section 4.1(b) and within three Trading Days of any request therefor from the Investor accompanied by such customary and reasonably acceptable documentation referred to above, (A) deliver to the Transfer Agent

irrevocable instructions that the Transfer Agent shall make a new, unlegended book entry for such Shares, (B) cause its counsel to deliver to the Transfer Agent one or more opinions to the effect that the removal of such legends in such circumstances may be effected under the 1933 Act if required by the Transfer Agent to effect the removal of the legend, and (C) deliver or cause to be delivered to the Investor a new, unlegended book-entry notation or other evidence that the legend has been removed.

(c) The Investor agrees with the Company (i) that the Investor will sell any Shares pursuant to either the registration requirements of the 1933 Act, including any applicable prospectus delivery requirements, or an exemption therefrom, (ii) that if Shares are sold pursuant to a registration statement, they will be sold in compliance with the plan of distribution set forth therein and (iii) that if, after the effective date of the registration statement covering the resale of the Shares, such registration statement is not then effective and the Company has provided notice to the Investor to that effect, the Investor will sell Shares only in compliance with an exemption from the registration requirements of the 1933 Act.

- 4.2 Short Sales and Confidentiality After the Date Hereof. The Investor covenants that neither it nor any Affiliates acting on its behalf or pursuant to any understanding with it will execute any Short Sales during the period from the date hereof until the earlier of such time as (i) the transactions contemplated by this Agreement are first publicly announced or (ii) this Agreement is terminated in full. The Investor covenants that until such time as the transactions contemplated by this Agreement are publicly disclosed by the Company, the Investor will maintain (and will cause its Affiliates, authorized representatives and advisors who are aware of the transactions contemplated by the Transaction Documents) to maintain the confidentiality of all disclosures made to it in connection with the transactions contemplated by the Transaction Documents (including the existence and terms of such transactions). The Investor understands and acknowledges that the SEC currently takes the position that coverage of Short Sales of shares of the Common Stock “against the box” prior to effectiveness of a resale registration statement with securities included in such registration statement would be a violation of Section 5 of the 1933 Act, as set forth in Item 239.10 of the Securities Act Rules Compliance and Disclosure Interpretations compiled by the Office of Chief Counsel, Division of Corporation Finance, and covenants that neither it nor any Affiliates acting on its behalf or pursuant to any understanding with it will execute any such Short Sales.

## Section 5. Conditions to Closing.

- 5.1 Conditions to the Investor’s Obligations. The obligation of the Investor to purchase Shares at the Closing is subject to the fulfillment to the Investor’s satisfaction, on or prior to the Closing Date, of the following conditions, any of which may be waived by the Investor:



(a) The representations and warranties made by the Company in Section 2 hereof shall be true and correct as of the date hereof and as of the Closing Date, as though made on and as of such date, except to the extent any such representation or warranty expressly speaks as of an earlier date, in which case such representation or warranty shall be true and correct as of such earlier date.

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

(c) The Company shall have obtained any and all consents, permits, approvals, registrations and waivers necessary for the consummation of the purchase and sale of the Shares and the consummation of the other transactions contemplated by this Agreement, all of which shall be in full force and effect.

(d) The Company shall have executed and delivered the Registration Rights Agreement.

(e) No judgment, writ, order, injunction, award or decree of or by any court, or judge, justice or magistrate, including any bankruptcy court or judge, or any order of or by any governmental authority, shall have been issued, and no action or proceeding shall have been instituted by any governmental authority, enjoining or preventing the consummation of the transactions contemplated by the Transaction Documents.

(f) The Company shall have delivered a certificate, executed on behalf of the Company by an officer of the Company, dated as of the Closing Date, certifying to the fulfillment of the conditions specified in subsections (a) through (c), (e), (h) and (i) of this Section 5.1.

(g) The Company shall have delivered a certificate, executed on behalf of the Company by an officer of the Company, dated as of the Closing Date, certifying the resolutions adopted by the Board of Directors of the Company approving the transactions contemplated by the Transaction Documents and the issuance of the Shares, certifying the current versions of the Certificate of Incorporation and Bylaws of the Company and certifying as to the signatures and authority of persons signing the Transaction Documents and related documents on behalf of the Company.

(h) There shall have been no Material Adverse Effect with respect to the Company since the date hereof.

(i) No stop order or suspension of trading shall have been imposed by Nasdaq, the SEC or any other governmental or regulatory body with respect to public trading in the Common Stock.

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

(a) The representations and warranties made by the Investor in Section 3 hereof shall be true and correct as of the date hereof, and shall be true and correct as of the Closing Date with the same force and effect as if they had been made on and as of such date.

(b) The Investor shall have performed in all material respects all obligations and covenants herein required to be performed by them on or prior to the Closing Date.

(c) The Investor shall have executed and delivered the Registration Rights Agreement and an Investor Questionnaire.

(d) The Investor shall have paid in full its purchase price to the Company.

5.3 Termination of Obligations to Effect Closing; Effects.

(a) The obligations of the Company, on the one hand, and the Investor, on the other hand, to effect the Closing shall terminate as follows:

(i) upon the mutual written consent of the Company and the Investor;

(ii) by the Company if any of the conditions set forth in Section 5.2 shall have become incapable of fulfillment, and shall not have been waived by the Company;

(iii) by the Investor if any of the conditions set forth in Section 5.1 shall have become incapable of fulfillment, and shall not have been waived by the Investor; or

(iv) by either the Company or the Investor if the Closing has not occurred on or prior to July 30, 2020;

provided, however, that, except in the case of clause (i) above, the party seeking to terminate its obligation to effect the Closing shall not then be in breach of any of its representations, warranties, covenants or agreements contained in the Transaction Documents if such breach has resulted in the circumstances giving rise to such party's seeking to terminate its obligation to effect the Closing.

(b) Nothing in this Section 5.3 shall be deemed to release either party from any liability for any breach by such party of the terms and provisions of the Transaction Documents or to impair the right of either party to compel specific performance by the other party of its obligations under the Transaction Documents.

Section 6. Miscellaneous.

6.1 Successors and Assigns. The terms and conditions of this Agreement shall inure to the benefit of and be binding upon the respective successors and assigns of the parties. Nothing in this Agreement, express or implied,

is intended to confer upon any party other than the parties hereto or their respective successors and assigns any rights, remedies, obligations or liabilities under or by reason of this Agreement, except as expressly provided in this Agreement.

- 6.2 Governing Law. This Agreement and all claims or causes of action (whether in tort, contract or otherwise) that may be based upon, arise out of or relate to this Agreement or the negotiation, execution or performance of this Agreement (including any claim or cause of action based upon, arising out of or related to any representation or warranty made in or in connection with this Agreement) shall be governed by and construed in accordance with the Laws of the State of Delaware, without giving effect to any choice or conflict of law provision or rule (whether of the State of Delaware or any other jurisdiction) that would cause the application of the Laws of any jurisdiction other than the State of Delaware.
- 6.3 Counterparts. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. Counterparts may be delivered via facsimile, electronic mail 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.
- 6.4 Titles and Subtitles. The titles and subtitles used in this Agreement are used for convenience only and are not to be considered in construing or interpreting this Agreement.
- 6.5 Notices. All notices and other communications given or made pursuant to this Agreement shall be in writing and shall be deemed effectively given upon the earlier of actual receipt, or (a) personal delivery to the party to be notified, (b) when sent, if sent by electronic mail or facsimile during normal business hours of the recipient, and if not sent during normal business hours, then on the recipient's next Business Day, (c) five days after having been sent by registered or certified mail, return receipt requested, postage prepaid, or (d) one Business Day after deposit with a nationally recognized overnight courier, freight prepaid, specifying next Business Day delivery, with written verification of receipt. All communications shall be sent to the respective parties at their address or e-mail address as set forth on the signature page, or to such address, e-mail address or facsimile number as subsequently modified by written notice given in accordance with this Section 6.5.
- 6.6 No Finder's Fees. Each party represents that it neither is nor will be obligated for any finder's fee or commission in connection with this transaction. The Investor agrees to indemnify and to hold harmless the Company from any liability for any commission or compensation in the

nature of a finder's or broker's fee arising out of this transaction (and the costs and expenses of defending against such liability or asserted liability) for which the Investor or any of the Investor's officers, employees or representatives is responsible. The Company agrees to indemnify and hold harmless the Investor from any liability for any commission or compensation in the nature of a finder's or broker's fee arising out of this transaction (and the costs and expenses of defending against such liability or asserted liability) for which the Company or any of its officers, employees or representatives is responsible.

- 6.7 Expenses. Each party shall pay its own expenses (including fees and expenses of financial advisors, attorneys and other advisors) incurred in connection with the preparation, negotiation, due diligence, execution, delivery, and performance of the Transaction Agreements and the consummation of the transactions contemplated hereby and thereby.
- 6.8 Waiver. Waiver by the Company or the Investor of a breach hereunder by the Investor or the Company, respectively, shall not be construed as a waiver of any subsequent breach of the same or any other provision. No delay or omission by a party in exercising or availing itself of any right, power or privilege hereunder shall preclude the later exercise of any such right, power or privilege by such party. No waiver shall be effective unless made in writing with specific reference to the relevant provision(s) of this Agreement and signed by a duly authorized representative of the party granting the waiver. All remedies, either under this Agreement or by law or otherwise afforded to either party, shall be cumulative and not alternative.
- 6.9 Amendments. Any term of this Agreement may be amended or terminated only with the written consent of the Company and the Investor.
- 6.10 Severability. If one or more of the terms or provisions of this Agreement is held by a court of competent jurisdiction to be void, invalid, or unenforceable in any situation in any jurisdiction, such holding shall not affect the validity or enforceability of the remaining terms and provisions hereof or the validity or enforceability of the void, invalid, or unenforceable term or provision in any other situation or in any other jurisdiction, and the term or provision shall be considered severed from this Agreement solely for such situation and solely in such jurisdiction, unless the void, invalid, or unenforceable term or provision is of such essential importance to this Agreement that it is to be reasonably assumed that the parties hereto would not have entered into this Agreement without the void, invalid, or unenforceable term or provision. If the final judgment of such court declares that any term or provision hereof is void, invalid, or unenforceable, the parties hereto agree to: (a) reduce the scope, duration, area, or applicability of the term or provision

or to delete specific words or phrases to the minimum extent necessary to cause such term or provision as so reduced or amended to be enforceable; and (b) make a good-faith effort to replace any void, invalid, or unenforceable term or provision with a valid and enforceable term or provision such that the objectives contemplated by the parties hereto when entering this Agreement may be realized.

- 6.11 Entire Agreement. This Agreement constitutes the full and entire understanding and agreement between the parties with respect to the subject matter hereof, and any other written or oral agreement relating to the subject matter hereof existing between the parties is expressly canceled.
- 6.12 Specific Enforcement. The parties hereto agree that irreparable damage would occur in the event that any of the provisions of this Agreement were not performed in accordance with their specific intent or were otherwise breached. It is accordingly agreed that the parties shall be entitled to an injunction or injunctions to prevent or cure breaches of the provisions of this Agreement and to enforce specifically the terms and provisions hereof, in addition to any other remedy to which they may be entitled by law or equity.
- 6.13 Exclusive Jurisdiction; Venue. Each of the parties hereto irrevocably agrees that any legal action or proceeding with respect to this Agreement and the rights and obligations arising hereunder, or for recognition and enforcement of any judgment in respect of this Agreement and the rights and obligations arising hereunder brought by another party hereto or its successors or assigns, shall be brought and determined exclusively in the Delaware Court of Chancery, or, if the Delaware Court of Chancery declines to accept jurisdiction over a particular matter, any federal court within the State of Delaware, or, if both the Delaware Court of Chancery and the federal courts within the State of Delaware decline to accept jurisdiction over a particular matter, any other state court within the State of Delaware, and, in each case, any appellate court therefrom. Each of the parties hereto hereby irrevocably submits with regard to any such action or proceeding for itself and in respect of its property, generally and unconditionally, to the personal jurisdiction of the aforesaid courts and agrees that it will not bring any action relating to this Agreement or any of the transactions contemplated by this Agreement in any court other than the aforesaid courts. Each of the parties hereto hereby irrevocably waives, and agrees not to assert as a defense, counterclaim or otherwise, in any action or proceeding with respect to this Agreement, (a) any claim that it is not personally subject to the jurisdiction of the above named courts for any reason other than the failure to serve in accordance with this Section 6.13, (b) any claim that it or its property is exempt or immune from the jurisdiction of any such court or from any legal process commenced in such courts (whether through service of

notice, attachment prior to judgment, attachment in aid of execution of judgment, execution of judgment or otherwise) and (c) to the fullest extent permitted by the applicable Law, any claim that (i) the suit, action or proceeding in such court is brought in an inconvenient forum, (ii) the venue of such suit, action or proceeding is improper or (iii) this Agreement, or the subject matter hereof, may not be enforced in or by such courts. Each of the parties hereto agrees that service of process upon such party in any such action or proceeding shall be effective if such process is given as a notice in accordance with Section 6.5.

- 6.14 Publicity. Except as set forth below, no public release or announcement concerning the transactions contemplated hereby shall be issued by the Investor without the prior consent of the Company, except as such release or announcement may be required by law or the applicable rules or regulations of any securities exchange or securities market, in which case the Investor shall allow the Company reasonable time to comment on such release or announcement in advance of such issuance. Notwithstanding the foregoing, the Investor may identify the Company and the value of the Investor's security holdings in the Company in accordance with applicable investment reporting and disclosure regulations or internal policies without prior notice to or consent from the Company (including, for the avoidance of doubt, filings pursuant to Sections 13 and 16 of the 1934 Act).
- 6.15 Survival. The representations, warranties, covenants and agreements contained in this Agreement shall survive the Closing for a period of one year following the Closing Date.
- 6.16 Waiver of Jury Trial. EACH OF THE PARTIES TO THIS AGREEMENT HEREBY IRREVOCABLY WAIVES TO THE EXTENT PERMITTED BY APPLICABLE LAW ANY AND ALL RIGHT TO A TRIAL BY JURY IN ANY DIRECT OR INDIRECT ACTION, PROCEEDING OR COUNTERCLAIM ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE TRANSACTIONS CONTEMPLATED HEREBY. EACH PARTY (A) CERTIFIES THAT NO REPRESENTATIVE, AGENT OR ATTORNEY OF THE OTHER PARTY HAS REPRESENTED, EXPRESSLY OR OTHERWISE, THAT SUCH OTHER PARTY WOULD NOT, IN THE EVENT OF LITIGATION, SEEK TO ENFORCE THE FOREGOING WAIVER, (B) MAKES THIS WAIVER VOLUNTARILY, AND (C) ACKNOWLEDGES THAT EACH PARTY HAS BEEN INDUCED TO ENTER INTO THIS AGREEMENT BY, AMONG OTHER THINGS, THE MUTUAL WAIVERS CONTAINED IN THIS SECTION 6.16.

*[Remainder of page intentionally left blank]*

IN WITNESS WHEREOF, the parties have executed this Stock Purchase Agreement as of the date first written above.

COMPANY:

**VACCINEX, INC.**

By: /s/ Maurice Zauderer

Name: Maurice Zauderer

Title: Chief Executive Officer

Address: 1895 Mount Hope Avenue  
Rochester, New York 14620

*With a copy to:*

Hogan Lovells US LLP  
100 International Drive  
Suite 2000  
Baltimore, Maryland 21202  
Attn: William Intner

*[Signature Page to Stock Purchase Agreement]*

IN WITNESS WHEREOF, the parties have executed this Stock Purchase Agreement as of the date first written above.

INVESTOR:

**FRIEDBERG GLOBAL-MACRO HEDGE FUND LTD.**

By: /s/ Albert Friedberg

Name: Albert Friedberg

Title: Director

Address: 190 Elgin Avenue  
George Town  
Cayman Islands KY1-9005

E-Mail Address: funds@friedberg.com

*[Signature Page to Stock Purchase Agreement]*



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EXHIBIT A

**Registration Rights Agreement**

(Attached)

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EXHIBIT B

**Investor Questionnaire**

(Attached)

## REGISTRATION RIGHTS AGREEMENT

**THIS REGISTRATION RIGHTS AGREEMENT** (this “**Agreement**”) is made and entered into as of July 10, 2020, by and between Vaccinex, Inc., a Delaware corporation (the “**Company**”), and Friedberg Global-Macro Hedge Fund Ltd. (the “**Investor**”).

## RECITALS

**WHEREAS**, pursuant to that certain Stock Purchase Agreement, dated as of July 9, 2020, by and between the Company and the Investor (the “**Purchase Agreement**”), the Investor shall acquire an aggregate of 1,126,760 shares of Common Stock (the “**Shares**”); and

**WHEREAS**, in connection with the Investor’s investment pursuant to the Purchase Agreement, the Company desires to enter into this Agreement with the Investor in order to grant the Investor the registration rights described herein.

**NOW, THEREFORE**, in consideration of the foregoing and the mutual agreements set forth below, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree as follows:

Section 1. Defined Terms Used in this Agreement. Capitalized terms used and not otherwise defined herein that are defined in the Purchase Agreement shall have the meanings given such terms in the Purchase Agreement. In addition to the terms defined elsewhere in this Agreement, the following terms used in this Agreement shall be construed to have the meanings set forth or referenced below.

1.1 “**Effectiveness Date**” means, with respect to the Registration Statement required to be filed hereunder, the 30<sup>th</sup> calendar day following the Filing Date (or, in the event of a substantive review by the SEC, the 75<sup>th</sup> calendar day following the Filing Date); provided, however, that in the event the Company is notified by the SEC that the Registration Statement will not be reviewed or is no longer subject to further review and comments, the Effectiveness Date as to the Registration Statement shall be as promptly as commercially reasonable following the date on which the Company is so notified if such date precedes the dates otherwise required above, and provided, further, that if such Effectiveness Date falls on a day that is not a Trading Day, then the Effectiveness Date shall be the next succeeding Trading Day.

1.2 “**Filing Date**” means, with respect to the Registration Statement required hereunder, the 60<sup>th</sup> calendar day following the Closing Date.

1.3 “**Holder**” or “**Holders**” means the holder or holders, as the case may be, from time to time of Registrable Securities.

1.4 “**Losses**” means losses, damages, taxes, liabilities, obligations, deficiencies, claims, interest, awards, judgments, penalties, costs and expenses (including reasonable and documented attorneys’ fees, experts’ fees and disbursements, and other out-of-pocket costs and expenses incurred in investigating, preparing or defending the foregoing).

1.5 “**Prospectus**” means the prospectus included in the Registration Statement (including a prospectus that includes any information previously omitted from a prospectus filed as part of an effective registration statement in reliance upon Rule 430A promulgated by the SEC pursuant to the 1933 Act), as amended or supplemented by any prospectus supplement, with respect to the terms of the offering of any portion of the Registrable Securities covered by the Registration Statement, and all other amendments and supplements to the Prospectus, including post-effective amendments, and all material incorporated by reference or deemed to be incorporated by reference in such Prospectus.

1.6 “**Registrable Securities**” means, as of any date of determination, (a) all of the Shares, and (b) any securities issued or then issuable upon any stock split, dividend or other distribution, recapitalization or similar event with respect to the foregoing; provided, however, that any such Registrable Securities shall cease to be Registrable Securities (and the Company shall not be required to maintain the effectiveness of any, or file another, Registration Statement hereunder with respect thereto) after such time as (x) the Registration Statement with respect to the sale of such Registrable Securities is declared effective by the SEC under the 1933 Act and such Registrable Securities have been disposed of by the Holder in accordance with such effective Registration Statement, (y) such Registrable Securities have been previously sold in accordance with Rule 144 and new shares not bearing legends restricting transfer shall have been delivered to the purchasers thereof (or, in the case of book-entry shares, appropriate notifications shall have been made on the books of the Transfer Agent), or (z) such Registrable Securities become eligible for resale without volume or manner-of-sale restrictions and without current public information pursuant to Rule 144 as set forth in a written opinion letter to such effect, addressed, delivered and acceptable to the Transfer Agent and the affected Holders.

1.7 “**Registration Statement**” means the registration statement required to be filed hereunder pursuant to Section 2.1, including the Prospectus, amendments and supplements to any such registration statement or Prospectus, including pre- and post-effective amendments, all exhibits thereto, and all material incorporated by reference or deemed to be incorporated by reference in such registration statement.

1.8 “**Rule 415**” means Rule 415 promulgated by the SEC pursuant to the 1933 Act, as such Rule may be amended or interpreted from time to time, or any similar rule or regulation hereafter adopted by the SEC having substantially the same purpose and effect as such Rule.

1.9 “**Rule 424**” means Rule 424 promulgated by the SEC pursuant to the 1933 Act, as such Rule may be amended or interpreted from time to time, or any similar rule or regulation hereafter adopted by the SEC having substantially the same purpose and effect as such Rule.

1.10 “**Trading Day**” means any day on which the Common Stock is traded on the Principal Trading Market; provided, that “Trading Day” shall not include any day on which the Common Stock is scheduled to trade on such Principal Trading Market for less than 4.5 hours or any day that the Common Stock is suspended from trading during the final hours of trading on such Principal Trading Market (or, if such Principal Trading Market does not

designate in advance the closing time of trading on such Principal Trading Market, then during the hour ending at 4:00:00 p.m., New York time).

## Section 2. Shelf Registration.

2.1 On or prior to the Filing Date, the Company shall prepare and use reasonable best efforts to file with the SEC the Registration Statement covering the resale of all of the Registrable Securities that are not then registered on an effective Registration Statement for an offering to be made on a continuous basis pursuant to Rule 415. Subject to SEC comments, such Registration Statement shall contain substantially the “**Plan of Distribution**” attached hereto as Exhibit A; provided, however, that no Holder shall be required to be named as an “underwriter” within the meaning of the 1933 Act without such Holder’s express prior written consent, except that a Holder may be named as a “statutory underwriter” if such Holder is, or is affiliated with, a broker-dealer and states such fact in its Selling Stockholder Questionnaire or if the staff of the SEC requires such Holder to be so named. Subject to the terms of this Agreement, the Company shall use commercially reasonable efforts to cause the Registration Statement filed under this Agreement to be declared effective under the 1933 Act as promptly as reasonably practicable after the filing thereof, but in any event no later than the applicable Effectiveness Date, and shall use commercially reasonable efforts to keep such Registration Statement continuously effective under the 1933 Act between the Effectiveness Date and the date that all Registrable Securities covered by such Registration Statement (i) have been sold thereunder or pursuant to Rule 144 or (ii) may be sold without volume or manner-of-sale restrictions pursuant to Rule 144 and without the requirement for the Company to be in compliance with the current public information requirement under Rule 144, as determined by the counsel to the Company pursuant to a written opinion letter to such effect, addressed and acceptable to the Transfer Agent and the affected Holders (the “**Effectiveness Period**”). The Company shall notify the Holders via e-mail of the effectiveness of the Registration Statement within two calendar days of the Company’s telephonic confirmation of effectiveness with the SEC.

2.2 If the Registration Statement is not declared effective by the SEC by the applicable Effectiveness Date, (any such failure referred to as an “**Event**”) then, in addition to any other rights the Holders may have hereunder or under applicable law, on the Effectiveness Date and on each monthly anniversary of the Effectiveness Date (if the applicable Event shall not have been cured by such date) until the Event is cured, the Company shall pay to each Holder an amount in cash, as partial liquidated damages and not as a penalty, equal to the product of 1.0% multiplied by the aggregate purchase price paid for the Shares multiplied by the proportion of (A) the Shares held by such Holder for which the Registration Statement had not been declared effective to (B) the total number of Shares purchased pursuant to the Purchase Agreement. The parties agree that the maximum aggregate liquidated damages payable to the Holders under this Agreement shall be 8.0% of the aggregate purchase price paid for the Shares. If the Company fails to pay any partial liquidated damages pursuant to this Section 2.2 in full within seven calendar days after the date payable, the Company will pay interest thereon at a rate of 1.0% per month (or such lesser maximum amount that is permitted to be paid by applicable law) to the Holder, accruing daily from the date such partial liquidated damages are due until such amounts, plus all such interest thereon, are paid in full. The partial liquidated damages pursuant to the terms hereof shall apply on a daily pro rata basis for any portion of a month prior to the cure of an Event.

2.3 If at any time the SEC takes the position that the offering of some or all of the Registrable Securities under the Registration Statement is not eligible to be made on a delayed or continuous basis under the provisions of Rule 415 under the 1933 Act or requires the Investor to be named as an “underwriter,” the Company shall use commercially reasonable efforts to persuade the SEC that the offering contemplated by such Registration Statement is a valid secondary offering and not an offering “by or on behalf of the issuer” as defined in Rule 415 and that the Investor is not an “underwriter.” In the event that, despite the Company’s commercially reasonable efforts and compliance with the terms of this Section 2.3, the SEC refuses to alter its position, the Company shall (i) remove from such Registration Statement such portion of the Registrable Securities (the “**Cut Back Shares**”) and/or (ii) agree to such restrictions and limitations on the registration and resale of the Registrable Securities as the SEC may require to assure the Company’s compliance with the requirements of Rule 415 (collectively, the “**SEC Restrictions**”); provided, however, that the Company shall not agree to name the Investor as an “underwriter” in such Registration Statement without the prior written consent of the Investor; provided, further, that if the Investor refuses to be named as an underwriter as required by the SEC Restrictions, the Investor’s Registrable Securities shall be removed from the Registration Statement and such Registrable Securities shall be deemed to constitute Cut Back Shares and the provisions of this Section 2.3 shall apply to such Cut Back Shares. In furtherance of the foregoing, if requested by the Company, the Investor shall provide the Company with notice of its sale of substantially all of the Registrable Securities under such Registration Statement such that the Company will be able to file one or more additional Registration Statements covering the Cut Back Shares. No liquidated damages shall accrue as to any Cut Back Shares until such date as the Company is able to effect the registration of such Cut Back Shares in accordance with any SEC Restrictions applicable to such Cut Back Shares (such date, the “**Restriction Termination Date**”). From and after the Restriction Termination Date applicable to any Cut Back Shares, all of the provisions of this Section 2 (including the Company’s obligations with respect to the filing of a Registration Statement and its obligations to use commercially reasonable efforts to have such Registration Statement declared effective within the time periods set forth herein and the liquidated damages provisions relating thereto) shall again be applicable to such Cut Back Shares; provided, however, that (i) the Filing Date for such Registration Statement including such Cut Back Shares shall be 20 Trading Days after such Restriction Termination Date, and (ii) the date by which the Effectiveness Date with respect to such Cut Back Shares shall be the 90<sup>th</sup> calendar day following the Restriction Termination Date (or in the event of a substantive review by the SEC, the 135<sup>th</sup> calendar day following the Restriction Termination Date).

Section 3. Registration Procedures. In connection with the Company’s registration obligations hereunder, the Company shall:

3.1 Not less than five Trading Days prior to the filing of the Registration Statement and not less than three Trading Day prior to the filing of any related Prospectus or any amendment or supplement thereto (including any document that would be incorporated or deemed to be incorporated therein by reference, but not including (A) any 1934 Act filing or (B) any supplement or post-effective amendment to a registration statement that is not related to such Holder’s Registrable Securities), (i) furnish to each Holder copies of all such documents proposed to be filed, which documents (other than those incorporated or deemed to be incorporated by reference) will be subject to the review of such Holders, and (ii) cause its

representatives to respond to such inquiries as shall be necessary, in the reasonable opinion of respective counsel to each Holder, to conduct a reasonable investigation within the meaning of the 1933 Act. The Company shall not file the Registration Statement or any such Prospectus or any amendments or supplements thereto to which the Holders of a majority of the Registrable Securities shall reasonably object in good faith, provided that the Company is notified of such objection in writing no later than four Trading Days after the Holders have been so furnished copies of the Registration Statement or two Trading Days after the Holders have been so furnished copies of any related Prospectus or amendments or supplements thereto. In connection with any Registration Statement, each Holder agrees to furnish to the Company a completed questionnaire in the form provided by the Company (a “**Selling Stockholder Questionnaire**”) on the date that is the later of (x) two Trading Days prior to the Filing Date and (y) the fourth Trading Day following the date on which such Holder receives draft materials in accordance with this Section 3.1.

3.2 (i) Prepare and file with the SEC such amendments, including post-effective amendments, to the Registration Statement and the Prospectus used in connection therewith (subject to any requirement that a post-effective amendment be declared effective by the SEC) as may be necessary to keep the Registration Statement continuously effective as to the applicable Registrable Securities for the Effectiveness Period, (ii) cause the related Prospectus to be amended or supplemented by any required Prospectus supplement (subject to the terms of this Agreement), and, as so supplemented or amended, to be filed pursuant to Rule 424, (iii) respond as promptly as reasonably practicable to any comments received from the SEC with respect to the Registration Statement or any amendment thereto and provide as promptly as reasonably practicable to the Holders true and complete copies of all correspondence from and to the SEC relating to the Registration Statement (provided, that the Company shall excise any information contained therein which would constitute material nonpublic information regarding the Company or any of its subsidiaries), and (iv) comply in all material respects with the applicable provisions of the 1933 Act and the 1934 Act with respect to the disposition of all Registrable Securities covered by the Registration Statement during the applicable period in accordance (subject to the terms of this Agreement) with the intended methods of disposition by the Holders thereof set forth in such Registration Statement as so amended or in such Prospectus as so supplemented.

3.3 Notify the Holders of Registrable Securities to be sold (which notice shall, pursuant to clauses (c) through (f) hereof, be accompanied by an instruction to suspend the use of the Prospectus until the requisite changes have been made) as promptly as reasonably practicable (and, in the case of (a)(1) below, not less than one Trading Day prior to such filing) and, if requested by any such Person, confirm such notice in writing no later than one Trading Day following the day:

(a) (1) when a Prospectus or any Prospectus supplement or post-effective amendment to the Registration Statement is proposed to be filed (other than (I) any 1934 Act filing or (II) any supplement or post-effective amendment to the Registration Statement that is not related to such Holder’s Registrable Securities), (2) when the SEC notifies the Company whether there will be a “review” of such Registration Statement and whenever the SEC comments in writing on such Registration Statement, and (3) with respect to the Registration Statement or any post-effective amendment, when the same has become effective;

(b) of any request by the SEC or any other federal or state governmental authority for amendments or supplements to the Registration Statement or Prospectus or for additional information;

(c) of the issuance by the SEC or any other federal or state governmental authority of any stop order suspending the effectiveness of the Registration Statement covering any or all of the Registrable Securities or the initiation of any actions, claims, suits or proceedings (“**Actions**”) for that purpose;

(d) of the receipt by the Company of any notification with respect to the suspension of the qualification or exemption from qualification of any of the Registrable Securities for sale in any jurisdiction, or the initiation or threatening of any Action for such purpose;

(e) of the occurrence of any event or passage of time that makes the financial statements included in the Registration Statement ineligible for inclusion therein or any statement made in the Registration Statement or Prospectus or any document incorporated or deemed to be incorporated therein by reference untrue in any material respect or that requires any revisions to the Registration Statement, Prospectus or other documents so that, in the case of the Registration Statement or the Prospectus, as the case may be, it will not contain any untrue statement of a material fact or omit to state any material fact required to be stated therein or necessary to make the statements therein, in light of the circumstances under which they were made, not misleading; and

(f) of the occurrence or existence of any pending corporate development with respect to the Company that the Company believes may be material and that, in the determination of the Company, makes it not in the best interest of the Company to allow continued availability of the Registration Statement or Prospectus, provided, however, in no event shall any such notice contain any information which would constitute material, non-public information regarding the Company or any of its subsidiaries.

3.4 Use its commercially reasonable efforts to avoid the issuance of, or, if issued, obtain the withdrawal of (i) any order stopping or suspending the effectiveness of the Registration Statement, or (ii) any suspension of the qualification (or exemption from qualification) of any of the Registrable Securities for sale in any jurisdiction, at the earliest practicable moment.

3.5 If requested by a Holder, furnish to such Holder, without charge, at least one conformed copy of the Registration Statement and each amendment thereto, including financial statements and schedules, all documents incorporated or deemed to be incorporated therein by reference to the extent requested by such Person, and all exhibits to the extent requested by such Person (including those previously furnished or incorporated by reference) promptly after the filing of such documents with the SEC; provided, that any such item which is available on the EDGAR system (or successor thereto) need not be furnished in physical form.

3.6 Subject to the terms of this Agreement, consent to the use of such Prospectus and each amendment or supplement thereto by each of the selling Holders in



connection with the offering and sale of the Registrable Securities covered by such Prospectus and any amendment or supplement thereto, except after the giving of any notice pursuant to Section 3.3.

3.7 Prior to any resale of Registrable Securities by a Holder, use its commercially reasonable efforts to register or qualify or cooperate with the selling Holders in connection with the registration or qualification (or exemption from the registration or qualification) of such Registrable Securities for the resale by the Holder under the securities or blue sky laws of such jurisdictions within the United States as any Holder reasonably requests in writing, to keep each registration or qualification (or exemption therefrom) effective during the Effectiveness Period and to do any and all other acts or things reasonably necessary to enable the disposition in such jurisdictions of the Registrable Securities covered by each Registration Statement; provided, that the Company shall not be required to qualify generally to do business in any jurisdiction where it is not then so qualified, subject the Company to any material tax in any such jurisdiction where it is not then so subject, or file a general consent to service of process in any such jurisdiction.

3.8 If requested by a Holder, cooperate with such Holder to facilitate the timely preparation and delivery of certificates representing Registrable Securities to be delivered to a transferee pursuant to the Registration Statement, which certificates shall be free, to the extent permitted by the Purchase Agreement, of all restrictive legends, and to enable such Registrable Securities to be in such denominations and registered in such names as any such Holder may request.

3.9 Upon the occurrence of any event contemplated by Section 3.3, as promptly as reasonably practicable under the circumstances taking into account the Company's good faith assessment of any adverse consequences to the Company and its stockholders of the premature disclosure of such event, prepare a supplement or amendment, including a post-effective amendment, to the Registration Statement or a supplement to the related Prospectus or any document incorporated or deemed to be incorporated therein by reference, and file any other required document so that, as thereafter delivered, neither the Registration Statement nor such Prospectus will contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein, in light of the circumstances under which they were made, not misleading. If the Company notifies the Holders in accordance with clauses (iii) through (vi) of Section 3.3 above to suspend the use of any Prospectus until the requisite changes to such Prospectus have been made, then the Holders shall suspend use of such Prospectus. The Company will use its commercially reasonable efforts to ensure that the use of the Prospectus may be resumed as promptly as is practicable. The Company shall be entitled to exercise its right under this Section 3.9 to suspend the availability of the Registration Statement and Prospectus for a period not to exceed 60 calendar days (which need not be consecutive days) in any 12-month period.

3.10 Otherwise use reasonable best efforts to comply with all applicable rules and regulations of the SEC under the 1933 Act and the 1934 Act, including, without limitation, Rule 172 under the 1933 Act, file any final Prospectus, including any supplement or amendment thereof, with the SEC pursuant to Rule 424 under the 1933 Act, promptly inform the Holders in writing if, at any time during the Effectiveness Period, the Company does not satisfy

the conditions specified in Rule 172 and, as a result thereof, the Holders are required to deliver a Prospectus in connection with any disposition of Registrable Securities and take such other actions as may be reasonably necessary to facilitate the registration of the Registrable Securities hereunder.

3.11 Use commercially reasonable efforts to maintain eligibility for use of Form S-3 (or any successor form thereto) for the registration of the resale of Registrable Securities.

Section 4. Registration Expenses. All fees and expenses incident to the performance of or compliance with the Company's obligations under this Agreement by the Company shall be borne by the Company, whether or not any Registrable Securities are sold pursuant to the Registration Statement. The fees and expenses referred to in the foregoing sentence shall include (i) all registration and filing fees (including fees and expenses of the Company's counsel and independent registered public accountants) (A) with respect to filings made with the SEC, (B) with respect to filings required to be made with the Principal Trading Market, and (C) in compliance with applicable state securities or blue sky laws reasonably agreed to by the Company in writing (including fees and disbursements of counsel for the Company in connection with blue sky qualifications or exemptions of the Registrable Securities), (ii) printing expenses (including expenses of printing certificates for Registrable Securities), (iii) messenger, telephone and delivery expenses, (iv) fees and disbursements of counsel for the Company, (v) 1933 Act liability insurance, if the Company so desires such insurance, and (vi) fees and expenses of all other Persons retained by the Company in connection with the consummation of the transactions contemplated by this Agreement. In addition, the Company shall be responsible for all of its internal expenses incurred in connection with the consummation of the transactions contemplated by this Agreement (including all salaries and expenses of its officers and employees performing legal or accounting duties), the expense of any annual audit and the fees and expenses incurred in connection with the listing of the Registrable Securities on any securities exchange as required hereunder. Notwithstanding the foregoing, in no event shall the Company be responsible for any broker or similar commissions of any Holder or, except to the extent provided for in the Purchase Agreement, any legal fees or other costs of the Holders.

Section 5. Indemnification.

5.1 Indemnification by the Company. The Company shall, notwithstanding any termination of this Agreement, indemnify and hold harmless each Holder, the Holder's representatives, each Person who controls any such Holder (within the meaning of Section 15 of the 1933 Act or Section 20 of the 1934 Act) and the officers, directors, members, stockholders, partners, agents and employees (and any other Persons with a functionally equivalent title or any other title) of each such controlling Person, to the fullest extent permitted by applicable law, from and against any and all Losses, as incurred, arising out of or relating to (i) any untrue or alleged untrue statement of a material fact contained in the Registration Statement, any Prospectus or any form of prospectus or in any amendment or supplement thereto or in any preliminary prospectus, or arising out of or relating to any omission or alleged omission of a material fact required to be stated therein or necessary to make the statements therein (in the case of any Prospectus or supplement thereto, in light of the circumstances under which they were made) not misleading or (ii) any violation or alleged violation by the Company of the 1933 Act,

the 1934 Act or any state securities law, or any rule or regulation thereunder, in connection with the performance of its obligations under this Agreement, except to the extent, but only to the extent, that (A) such untrue statement was made in such the Registration Statement, any Prospectus or any form of prospectus or in any amendment or supplement thereto or in any preliminary prospectus in reliance upon and in conformity with written information furnished to the Company by or on behalf of Holders or controlling person expressly for use in the preparation thereof or (B) in the case of an occurrence of an event of the type specified in Section 3.3(c) through (f), the use by such Holder of an outdated, defective or otherwise unavailable Prospectus after the Company has notified such Holder in writing that the Prospectus is outdated, defective or otherwise unavailable for use by such Holder and prior to the receipt by such Holder of the Advice contemplated in Section 6.3. No investigation by any Holder or knowledge by any Holder of any facts or circumstances shall affect the Company's indemnification obligations under this Section 5.1. The Company shall notify the Holders promptly upon becoming aware of the institution, threat or assertion of any Action arising from or in connection with the transactions contemplated by this Agreement. Such indemnity shall remain in full force and effect regardless of any investigation made by or on behalf of such indemnified person and shall survive the transfer of any Registrable Securities by any of the Holders in accordance with Section 6.7.

5.2 Indemnification by Holders. Each Holder shall, severally and not jointly, indemnify and hold harmless the Company and its representatives to the fullest extent permitted by applicable law, from and against all Losses, as incurred, to the extent, but only to the extent, arising out of or based solely upon: any untrue statement or alleged misstatement of a material fact contained in any Registration Statement, any Prospectus or any form of prospectus or in any amendment or supplement thereto or in any preliminary prospectus in any case covering the Shares or the omission or alleged omission to state a material fact required to be stated therein or necessary to make the statements therein not misleading, if such untrue statement or omission was made in reliance upon and in conformity with written information furnished by or on behalf of Holders expressly for use in preparation of the Registration Statement, any Prospectus or any form of prospectus or in any amendment or supplement thereto or in any preliminary prospectus. In no event shall the liability of a selling Holder be greater in amount than the dollar amount of the proceeds (net of all expenses paid by such Holder in connection with any claim relating to this Section 5 and the amount of any damages such Holder has otherwise been required to pay by reason of such untrue statement or omission) received by such Holder upon the sale of the Registrable Securities included in the Registration Statement giving rise to such indemnification obligation.

5.3 Conduct of Indemnification Actions.

(a) If any Action shall be brought or asserted against any Person entitled to indemnity hereunder (an "**Indemnified Party**"), such Indemnified Party shall promptly notify the Person from whom indemnity is sought (the "**Indemnifying Party**") in writing, and the Indemnifying Party shall have the right to assume the defense thereof, including the employment of counsel reasonably satisfactory to the Indemnified Party and the payment of all reasonable fees and expenses incurred in connection with defense thereof; provided, that the failure of any Indemnified Party to give such notice shall not relieve the Indemnifying Party of its obligations or liabilities pursuant to this Agreement, except (and only) to the extent that it

shall be finally determined by a court of competent jurisdiction (which determination is not subject to appeal or further review) that such failure shall have materially and adversely prejudiced the Indemnifying Party.

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

(c) Subject to the terms of this Agreement, all reasonable fees, disbursements, costs and expenses of the Indemnified Party (including reasonable fees, disbursements, costs and expenses to the extent incurred in connection with investigating or preparing to defend such Action in a manner not inconsistent with this Section 5) shall be paid to the Indemnified Party, as incurred, within 30 calendar days of written notice thereof to the Indemnifying Party; provided, that the Indemnified Party shall promptly reimburse the Indemnifying Party for that portion of such fees, disbursements, costs and expenses applicable to such Actions for which such Indemnified Party is finally determined by a court of competent jurisdiction (which determination is not subject to appeal or further review) not to be entitled to indemnification hereunder.

#### 5.4 Contribution.

(a) If the indemnification under Section 5.1 or 5.2 is unavailable to an Indemnified Party or insufficient to hold an Indemnified Party harmless for any Losses, then each Indemnifying Party shall contribute to the amount paid or payable by such Indemnified Party, in such proportion as is appropriate to reflect the relative fault of the Indemnifying Party and Indemnified Party in connection with the actions, statements or omissions that resulted in such Losses as well as any other relevant equitable considerations. The relative fault of such Indemnifying Party and Indemnified Party shall be determined by reference to, among other things, whether any action in question, including any untrue or alleged untrue statement of a material fact or omission or alleged omission of a material fact, has been taken or made by, or relates to information supplied by, such Indemnifying Party or Indemnified Party, and the

parties' relative intent, knowledge, access to information and opportunity to correct or prevent such action, statement or omission. The amount paid or payable by a party as a result of any Losses shall be deemed to include, subject to the limitations set forth in this Agreement, any reasonable attorneys' or other reasonable fees or expenses incurred by such party in connection with any Action to the extent such party would have been indemnified for such fees or expenses if the indemnification provided for in this Section 5 was available to such party in accordance with its terms.

(b) The parties hereto agree that it would not be just and equitable if contribution pursuant to this Section 5.4 were determined by pro rata allocation or by any other method of allocation that does not take into account the equitable considerations referred to in the immediately preceding paragraph. In no event shall the contribution obligation of a Holder of Registrable Securities be greater in amount than the dollar amount of the proceeds (net of all expenses paid by such Holder in connection with any claim relating to this Section 5 and the amount of any damages such Holder has otherwise been required to pay by reason of such untrue or alleged untrue statement or omission or alleged omission) received by it upon the sale of the Registrable Securities giving rise to such contribution obligation.

(c) The indemnity and contribution agreements contained in this Section 5.4 are in addition to any liability that the Indemnifying Parties may have to the Indemnified Parties.

#### Section 6. Miscellaneous.

6.1 Remedies. In the event of a breach by the Company or by a Holder of any of their respective obligations under this Agreement, each Holder or the Company, as the case may be, in addition to being entitled to exercise all rights granted by law and under this Agreement, including recovery of damages, shall be entitled to seek specific performance of its rights under this Agreement. Each of the Company and each Holder agrees that monetary damages would not provide adequate compensation for any losses incurred by reason of a breach by it of any of the provisions of this Agreement and hereby further agrees that, in the event of any Action for specific performance in respect of such breach, it shall not assert or shall waive the defense that a remedy at law would be adequate.

6.2 Compliance. Each Holder covenants and agrees that it will comply with the prospectus delivery requirements of the 1933 Act, if and to the extent applicable to it in connection with the sale of Registrable Securities pursuant to the Registration Statement, unless an exemption therefrom is available to such Holder.

6.3 Discontinued Disposition. By its acquisition of Registrable Securities, each Holder agrees that, upon receipt of a notice from the Company of the occurrence of any event of the kind described in Section 3.3(c) through (f), such Holder will forthwith discontinue disposition of such Registrable Securities under the Registration Statement until it is advised in writing (the "**Advice**") by the Company that the use of the applicable Prospectus (as it may have been supplemented or amended) may be resumed. The Company will use commercially reasonable efforts to ensure that the use of the Prospectus may be resumed as promptly as is practicable. The Company agrees and acknowledges that any periods during which the Holder is

required to discontinue the disposition of the Registrable Securities hereunder shall be subject to the provisions of Section 3.9.

6.4 Piggy-Back Registrations. If, at any time during the Effectiveness Period, there is not an effective Registration Statement covering all of the Registrable Securities and the Company shall determine to prepare and file with the SEC a registration statement relating to an offering for its own account or the account of others under the 1933 Act of any of its equity securities, other than on Form S-4 or Form S-8 (each as promulgated under the 1933 Act) or their then-equivalents relating to equity securities to be issued solely in connection with any acquisition of any entity or business or equity securities issuable in connection with the Company's employee benefit plans, then the Company shall deliver to each Holder a written notice of such determination and, if within 15 days after the date of the delivery of such notice, any such Holder shall so request in writing, the Company shall include in such registration statement all or any part of such Registrable Securities such Holder requests to be registered; provided, however, that the Company shall not be required to provide notice or otherwise register any Registrable Securities pursuant to this Section 6.4 that are eligible for resale pursuant to Rule 144 (without volume restrictions or current public information requirements) or that are the subject of a then-effective Registration Statement that is available for resales or other dispositions by such Holder; and provided, further, that if the Company intends to file a registration statement in connection with an underwritten public offering (an "**Underwritten Offering**"), and the managing underwriter has advised the Company in good faith that the inclusion of all of the Registrable Securities requested to be included by the Holders participating in such Underwritten Offering (including pursuant to this Section 6.4) shall be limited due to market conditions, the order of priority of the securities to be included in such offering shall be: (i) first, the primary securities to be included in such Underwritten Offering; (ii) second, any securities that the Holders request to include in such Registration Statement, on a pro rata basis, based on the number of requested securities; and (iii) any other securities that are requested to be included in such Registration Statement on a pro rata basis, based on the number of requested securities; and provided, further, that, by written notice delivered to the Company, any Holder (an "**Opting-Out Holder**") may elect to waive its right to participate in registration statements pursuant to this Section 6.4 ("**Registration Opt-Out**"), until such time as such written notice is rescinded in writing. During such time as a Registration Opt-Out is in effect: (x) the Opting-Out Holder shall not receive notices of any proposed registration statements pursuant to this Section 6.4 and (y) shall not be entitled to participate in any registration statements pursuant to this Section 6.4.

6.5 Amendments and Waivers. The provisions of this Agreement, including the provisions of this sentence, may not be amended, modified or supplemented, and waivers or consents to departures from the provisions hereof may not be given, unless the same shall be in writing and signed by the Company and the Holders of 51% or more of the then-outstanding Registrable Securities; provided, that if any amendment, modification or waiver disproportionately and adversely impacts a Holder (or group of Holders), the consent of such disproportionately impacted Holder (or group of Holders) shall be required. If the Registration Statement does not register all of the Registrable Securities pursuant to a waiver or amendment done in compliance with the previous sentence, then the number of Registrable Securities to be registered for each Holder shall be reduced pro rata among all Holders and each Holder shall have the right to designate which of its Registrable Securities shall be omitted from such

Registration Statement. Notwithstanding the foregoing, a waiver or consent to depart from the provisions hereof with respect to a matter that relates exclusively to the rights of a Holder or some Holders and that does not directly or indirectly affect the rights of other Holders may be given only by such Holder or Holders of all of the Registrable Securities to which such waiver or consent relates; provided, however, that the provisions of this sentence may not be amended, modified, or supplemented except in accordance with the provisions of the first sentence of this Section 6.5. No consideration shall be offered or paid to any Person to amend or consent to a waiver or modification of any provision of this Agreement unless the same consideration also is offered to all of the similarly-situated parties to this Agreement.

6.6 Notices. Any and all notices or other communications or deliveries required or permitted to be provided hereunder shall be delivered as set forth in the Purchase Agreement.

6.7 Successors and Assigns. The terms and conditions of this Agreement shall inure to the benefit of and be binding upon the respective successors and assigns of the parties. The Company may not assign (except to any third party that acquires all or substantially all of the Company's business, whether by merger, sale of assets or otherwise) its rights or obligations hereunder without the prior written consent of all of the Holders of the then-outstanding Registrable Securities.

6.8 No Inconsistent Agreements. Neither the Company nor any of its subsidiaries has entered, as of the date hereof, nor shall the Company or any of its subsidiaries, on or after the date of this Agreement, enter into any agreement with respect to its securities, that would have the effect of impairing the rights granted to the Holders in this Agreement or otherwise conflicts with the provisions hereof.

6.9 Counterparts. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. Counterparts may be delivered via facsimile, electronic mail 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.

6.10 Governing Law; Enforcement. All questions concerning the construction, validity, enforcement and interpretation of this Agreement shall be determined in accordance with the provisions of the Purchase Agreement, including Sections 7.2 and 7.13 thereof.

6.11 Severability. If one or more of the terms or provisions of this Agreement is held by a court of competent jurisdiction to be void, invalid, or unenforceable in any situation in any jurisdiction, such holding shall not affect the validity or enforceability of the remaining terms and provisions hereof or the validity or enforceability of the void, invalid, or unenforceable term or provision in any other situation or in any other jurisdiction, and the term or provision shall be considered severed from this Agreement solely for such situation and solely in such jurisdiction, unless the void, invalid, or unenforceable term or provision is of such essential importance to this Agreement that it is to be reasonably assumed that the parties hereto would not have entered into this Agreement without the void, invalid, or unenforceable term or

provision. If the final judgment of such court declares that any term or provision hereof is void, invalid, or unenforceable, the parties hereto parties hereto agree to: (a) reduce the scope, duration, area, or applicability of the term or provision or to delete specific words or phrases to the minimum extent necessary to cause such term or provision as so reduced or amended to be enforceable; and (b) make a good-faith effort to replace any void, invalid, or unenforceable term or provision with a valid and enforceable term or provision such that the objectives contemplated by the parties hereto when entering this Agreement may be realized.

6.12 Independent Nature of Holders' Obligations and Rights. The obligations of each Holder hereunder are several and not joint with the obligations of any other Holder hereunder, and no Holder shall be responsible in any way for the performance of the obligations of any other Holder hereunder. Nothing contained herein or in any other agreement or document delivered at any closing, and no action taken by any Holder pursuant hereto or thereto, shall be deemed to constitute the Holders as a partnership, an association, a joint venture or any other kind of group or entity, or create a presumption that the Holders are in any way acting in concert or as a group or entity with respect to such obligations or the transactions contemplated by this Agreement or any other matters, and the Company acknowledges that the Holders are not acting in concert or as a group, and the Company shall not assert any such claim, with respect to such obligations or transactions. Each Holder shall be entitled to protect and enforce its rights, including without limitation the rights arising out of this Agreement, and it shall not be necessary for any other Holder to be joined as an additional party in any Action for such purpose. The use of a single agreement with respect to the obligations of the Company contained was solely in the control of the Company, not the action or decision of any Holder, and was done solely for the convenience of the Company and not because it was required or requested to do so by any Holder. It is expressly understood and agreed that each provision contained in this Agreement is between the Company and a Holder, solely, and not between the Company and the Holders collectively and not between and among Holders.

*[Remainder of page intentionally left blank]*



IN WITNESS WHEREOF, the parties have executed and delivered this Registration Rights Agreement as of the date first written above.

**VACCINEX, INC.**

By: /s/ Maurice Zauderer

Name: Maurice Zauderer

Title: Chief Executive Officer

*[Signature Page to Registration Rights Agreement]*

IN WITNESS WHEREOF, the parties have executed and delivered this Registration Rights Agreement as of the date first written above.

**FRIEDBERG GLOBAL-MACRO HEDGE FUND LTD.**

By: /s/ Albert Friedberg

Name: Albert Friedberg

Title: Director

*[Signature Page to Registration Rights Agreement]*

## PLAN OF DISTRIBUTION

### Selling Stockholders

We are registering the shares of common stock on behalf of the selling stockholders. The selling stockholders and any of their pledgees, assignees and successors-in-interest may, from time to time, on a continuous or delayed basis, sell any or all of their common stock covered hereby directly to one or more purchasers or through brokers, dealers, or underwriters who may act solely as agents at market prices prevailing at the time of sale, at prices related to the prevailing market prices, at negotiated prices, or at fixed prices, which may be changed on any stock exchange, market or trading facility on which the shares are traded or in private transactions. The sale of the selling stockholders' common stock offered by this prospectus may be effected in one or more of the following methods:

- ordinary brokerage transactions and transactions in which the broker-dealer solicits purchasers;
- transactions involving cross or block trades;
- purchases by a broker-dealer as principal and resale by the broker-dealer for its account;
- exchange distributions in accordance with the rules of the applicable exchange;
- privately negotiated transactions;
- short sales after the registration statement of which this prospectus forms a part becomes effective;
- transactions through broker-dealers that agree with the selling stockholder to sell a specified number of such shares at a stipulated price per share;
- through the writing or settlement of options or other hedging transactions, whether through an options exchange or otherwise;
- "at the market" into an existing market for the common stock;
- through the writing of options on the shares;
- a combination of any such methods of sale; and
- any other method permitted pursuant to applicable law.

In order to comply with the securities laws of certain states, if applicable, the shares of the selling stockholders may be sold only through registered or licensed brokers or dealers. In

addition, in certain states, such shares may not be sold unless they have been registered or qualified for sale in the state or an exemption from the registration or qualification requirement is available and complied with.

The selling stockholders may also sell shares of common stock under Rule 144 promulgated under the Securities Act, or Rule 144, if available, rather than under this prospectus. In addition, the selling stockholders may transfer the shares of common stock by other means not described in this prospectus.

The selling stockholders may also sell the shares directly to market makers acting as principals and/or broker-dealers acting as agents for themselves or their customers. Such broker-dealers may receive compensation in the form of discounts, concessions or commissions from the selling stockholders and/or the purchasers of shares for whom such broker-dealers may act as agents or to whom they sell as principal or both, which compensation as to a particular broker-dealer might be in excess of customary commissions. Market makers and block purchasers purchasing the shares will do so for their own account and at their own risk. It is possible that the selling stockholders will attempt to sell shares of common stock in block transactions to market makers or other purchasers at a price per share which may be below the then market price. The selling stockholders cannot assure that all or any of the shares offered in this prospectus will be issued to, or sold by, such selling stockholders.

Brokers, dealers, underwriters, or agents participating in the distribution of the shares held by the selling stockholders as agents may receive compensation in the form of commissions, discounts, or concessions from the selling stockholders and/or purchasers of the common stock for whom the broker-dealers may act as agent. The selling stockholders may agree to indemnify any agent, dealer or broker-dealer that participates in transactions involving sales of the shares if liabilities are imposed on that person under the Securities Act.

The selling stockholders have advised us that they have not entered into any agreements, understandings or arrangements with any underwriters or broker-dealers regarding the sale of their shares of common stock, nor is there an underwriter or coordinating broker acting in connection with a proposed sale of shares of common stock by the selling stockholders. If we are notified by the selling stockholders that any material arrangement has been entered into with a broker-dealer for the sale of shares of common stock, if required, we will file a supplement to this prospectus.

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

With regard only to the shares it sells for its own behalf, each selling stockholder may be deemed an “underwriter” within the meaning of the Securities Act. This offering as it relates to the selling stockholders will terminate on the date that all shares issued to and issuable to the selling stockholders that are offered by this prospectus have been sold by the selling stockholders.

We may suspend the sale of shares by the selling stockholders pursuant to this prospectus for certain periods of time for certain reasons, including if the prospectus is required to be supplemented or amended to include additional material information.

If the selling stockholders use this prospectus for any sale of the shares of common stock, the selling stockholders will be subject to the prospectus delivery requirements of the Securities Act.

We are required to pay the expenses in connection with the registration of the shares being registered hereunder. We have agreed to indemnify the selling stockholders against certain losses, claims, damages and liabilities, including liabilities under the Securities Act.

We agreed to keep this prospectus effective until the date that (i) the securities may be resold by the selling stockholders without registration and without regard to any volume or manner-of-sale limitations by reason of Rule 144, without the requirement for us to be in compliance with the current public information under Rule 144 or any other rule of similar effect or (ii) all of the securities have been sold pursuant to this prospectus or Rule 144 or any other rule of similar effect.

### ***Regulation M***

The anti-manipulation rules of Regulation M under the Exchange Act may apply to sales of our common stock and activities of the selling stockholders.

We have advised the selling stockholders that while they are engaged in a distribution of the shares included in this prospectus it is required to comply with Regulation M promulgated under the Exchange Act. With certain exceptions, Regulation M precludes the selling stockholders, any affiliated purchasers, and any broker-dealer or other person who participates in the distribution from bidding for or purchasing, or attempting to induce any person to bid for or purchase any security which is the subject of the distribution until the entire distribution is complete. Regulation M also prohibits any bids or purchases made in order to stabilize the price of a security in connection with the distribution of that security. All of the foregoing may affect the marketability of the shares offered hereby this prospectus.