As filed with the Securities and Exchange Commission on May 10, 2016

Registration No. 333-210628

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549 **AMENDMENT NO. 1**

TO

FORM S-1

REGISTRATION STATEMENT

UNDER THE SECURITIES ACT OF 1933

CYTORI THERAPEUTICS, INC.

(Exact Name of Registrant as Specified in Its Charter)

Delaware

(State or Other Jurisdiction of Incorporation or Organization)

3841 (Primary Standard Industrial Classification Code Number)

33-0827593 (I.R.S. Employer Identification Number)

3020 Callan Road San Diego, CA (858) 458-0900 (Address, Including Zip Code, and Telephone Number, Including Area Code, of Registrant's Principal Executive Offices)

Marc H. Hedrick, MD President and Chief Executive Officer Cytori Therapeutics, Inc. 3020 Callan Road

San Diego, CA 92121 (Name, Address, Including Zip Code, and Telephone Number, Including Area Code, of Agent for Service)

Copies to:

Jeffrey T. Baglio, Esq. DLA Piper LLP (US) 4365 Executive Drive, Suite 1100 San Diego, CA 92121 Tel: (858) 677-1400 Fax: (858) 677-1401

Barry I. Grossman, Esq. Tamar Donishyan, Esq. Ellenoff Grossman & Schole LLP 1345 Avenue of the Americas New York, New York 10105 (212) 370-1300

Approximate date of commencement of proposed sale to the public: As soon as practicable after this registration statement becomes effective. If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, check the following box. \Box

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. \Box

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer \Box

Accelerated filer \boxtimes

Non-accelerated filer \Box

Smaller reporting company \Box

(Do not check if a smaller reporting company) CALCULATION OF REGISTRATION FEE

Title of each class of securities to be registered	Proposed Maximum Aggregate Offering Price ⁽¹⁾	Amount of Registration Fee
Units, each consisting of one share of common stock, par value \$0.001 per share ("Common Stock") and 0.5 of a warrant to purchase one share of common stock ("Units")	\$ 20,000,000	\$ 2,014
Non-transferable Rights to purchase Units ⁽²⁾		
Common Stock included as part of the Units	Included with Units above	
Warrants included as part of the Units ⁽³⁾	Included with Units above	
Common Stock issuable upon exercise of the Warrants included in the Units ⁽¹⁾⁽⁴⁾	\$ 12,000,000	\$ 1,209
Total	\$ 32,000,000	\$ 3,223(5)

Estimated solely for the purpose of calculating the registration fee in accordance with Rule 457(o) of (1) the Securities Act of 1933 (the "Act").
Non-transferable Rights to purchase Units are being issued without consideration. Pursuant to Rule 457(g) under the Act, no separate registration fee is required for the Rights because the Rights are being registered in the same registration statement as the Common Stock of the Registrant (2) underlying the Rights.
Pursuant to Rule 457(g) of the Act, no separate registration fee is required for the Warrants because the Warrants are being registered in the same registration statement as the Common Stock of the (3) Registrant issuable upon exercise of the Warrants.
In addition to the shares of Common Stock set forth in this table, pursuant to Rule 416 under the Act, this registration statement also registers such indeterminate number of shares of Common Stock as may become issuable upon exercise of the Warrants as the same may be adjusted as a result of their (4) customary anti-dilution provisions.
The Registrant previously paid \$1,108 of the total registration fee in connection with the initial filing (5) of the registration statement on April 6, 2016.

The Registrant hereby amends this registration statement on such date or dates as may be necessary to delay its effective date until the Registrant shall file a further amendment which specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until the registration statement shall become effective on such date as the Commission, acting pursuant to said Section 8(a), may determine.

The information in this prospectus is not complete and may be changed. We may not sell these securities until the registration statement filed with Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and is not soliciting an offer to buy these securities in any jurisdiction where the offer or sale is not permitted.

PRELIMINARY PROSPECTUS

SUBJECT TO COMPLETION

DATED MAY 10, 2016



Subscription Rights to Purchase Up to 5,000,000 Units Consisting of an Aggregate of Up to 5,000,000 Shares of Common Stock and Warrants to Purchase Up to 2,500,000 Shares of Common Stock at a Subscription Price of \$4.00 Per Unit

We are distributing to holders of our common stock, at no charge, non-transferable subscription rights to purchase units. Each unit, which we refer to as a Unit, consists of one share of common stock and 0.5 of a warrant, which we refer to as the Warrants. Each whole Warrant will be exercisable for one share of our common stock. We refer to the offering that is the subject of this prospectus as the Rights Offering. In the Rights Offering, you will receive one subscription right for each share of common stock owned at 5:00 p.m., Eastern Time, on May 20, 2016, the record date of the Rights Offering, or the Record Date. The common stock and the Warrants comprising the Units will separate upon the closing of the Rights Offering and will be issued separately but may only be purchased as a Unit, and the Units will not trade as a separate security. The subscription rights will not be tradable.

Each subscription right will entitle you to purchase one Unit, which we refer to as the Basic Subscription Right, at a subscription price per Unit of \$4.00, which we refer to as the Subscription Price. Each whole Warrant entitles the holder to purchase one share of common stock at an exercise price of \$4.80 per share from the date of issuance through its expiration 30 months from the date of issuance. If you exercise your Basic Subscription Rights in full, and any portion of the Units remain available under the Rights Offering, you will be entitled to an over-subscription privilege to purchase a portion of the unsubscribed Units at the Subscription Price, subject to proration and ownership limitations, which we refer to as the Over-Subscription Privilege. Each subscription right consists of a Basic Subscription Right and an Over-Subscription Privilege, which we refer to as the Subscription Right.

The Subscription Rights will expire if they are not exercised by 5:00 p.m., Eastern Time, on June 9, 2016, unless the Rights Offering is extended or earlier terminated by the Company. If we elect to extend the Rights Offering, we will issue a press release announcing the extension no later than 9:00 a.m., Eastern Time, on the next business day after the most recently announced expiration date of the Rights Offering. We may extend the Rights Offering for additional periods in our sole discretion. Once made, all exercises of Subscription Rights are irrevocable.

We have not entered into any standby purchase agreement or other similar arrangement in connection with the Rights Offering. The Rights Offering is being conducted on a best-efforts basis and there is no minimum amount of proceeds necessary to be received in order for us to close the Rights Offering.

We have engaged Maxim Group LLC to act as dealer-manager in the Rights Offering.

Investing in our securities involves a high degree of risk. See the section entitled "Risk Factors" beginning on page 21 of this prospectus. You should carefully consider these risk factors, as well as the information contained in this prospectus, before you invest.

Broadridge Corporate Issuer Solutions, Inc. will serve as the Subscription and Information Agent for the Rights Offering. The Subscription Agent will hold the funds we receive from subscribers until we complete, abandon or terminate the Rights Offering. If you want to participate in this Rights Offering and you are the record holder of your shares, we recommend that you submit your subscription documents to the Subscription Agent well before the deadline. If you want to participate in this Rights Offering and you hold shares through your broker, dealer, bank or other nominee and submit your subscription documents in accordance with the instructions and within the time period provided by your broker, dealer, bank or other nominee. For a detailed discussion, see "The Rights Offering – The Subscription Rights."

Our board of directors reserves the right to terminate the Rights Offering for any reason any time before the closing of the Rights Offering. If we terminate the Rights Offering, all subscription payments received will be returned within 10 business days, without interest or deduction. We expect the Rights Offering to expire on or about June 9, 2016, subject to our right to extend the Rights Offering as described above, and that we would close on subscriptions within five business days.

Our common stock is listed on The NASDAQ Capital Market, or NASDAQ, under the symbol "CYTX." On May 9, 2016, the last reported sale price of our common stock was \$3.95 per share. We have applied to list the Warrants on NASDAQ following their issuance under the symbol "CYTXW." The Subscription Rights are non-transferrable and will not be listed for trading on NASDAQ or any other stock exchange or market. You are urged to obtain a current price quote for our common stock before exercising your Subscription Rights.

	Per Unit		Total ⁽²⁾	
Subscription price	\$ 4.	000	\$ 20,000,000	
Dealer-Manager fees and expenses ⁽¹⁾	\$ 0.	95	\$ 1,475,000	
Proceeds to us, before expenses	\$ 3.	705	\$ 18,525,000	

(1) In connection with this Rights Offering, we have agreed to pay to Maxim Group LLC as the dealer-manager a cash fee equal to (i) 6% of the gross proceeds received by us directly from exercises of the Subscription Rights if the amount of such gross proceeds is less than \$7.5 million or (b) 7% of the gross proceeds received by us directly from exercises of the Subscription Rights if the amount of such gross proceeds is at least \$7.5 million. We have also agreed to reimburse the dealer-manager for its expenses up to \$75,000. See "Plan of Distribution."

(2) Assumes the Rights Offering is fully subscribed, but excludes proceeds from the exercise of Warrants included within the Units.

Our board of directors is making no recommendation regarding your exercise of the Subscription Rights. You should carefully consider whether to exercise your Subscription Rights before the expiration date. You may not revoke or revise any exercises of Subscription Rights once made.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.

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ABOUT THIS PROSPECTUS

The registration statement of which this prospectus forms a part that we have filed with the Securities and Exchange Commission, or SEC, includes exhibits that provide more detail of the matters discussed in this prospectus. You should read this prospectus and the related exhibits filed with the SEC, together with the additional information described under the headings "Where You Can Find More Information" and "Incorporation by Reference" before making your investment decision.

You should rely only on the information provided in this prospectus or in a prospectus supplement or any free writing prospectuses or amendments thereto. We have not authorized anyone else to provide you with different information. If anyone provides you with different or inconsistent information, you should not rely on it. You should assume that the information in this prospectus is accurate only as of the date hereof. Our business, financial condition, results of operations and prospects may have changed since that date.

We are not offering to sell or seeking offers to purchase these securities in any jurisdiction where the offer or sale is not permitted. We and the dealermanager have not done anything that would permit this offering or possession or distribution of this prospectus in any jurisdiction where action for that purpose is required, other than in the United States. Persons outside the United States who come into possession of this prospectus must inform themselves about, and observe any restrictions relating to, the offering of the securities as to distribution of the prospectus outside of the United States.

Unless the context otherwise requires, references in this prospectus to "Cytori," "the Company," "we," "us" and "our" refer to Cytori Therapeutics, Inc. Solely for convenience, our trademarks and tradenames referred to in this registration statement, such as Cytori Cell Therapy, Celution, Celase and Intravase, may appear without the @ or TM symbols, but such references are not intended to indicate in any way that we will not assert, to the fullest extent under applicable law, our rights to these trademarks and tradenames. All other trademarks, service marks and trade names included or incorporated by reference into this prospectus supplement or the accompanying prospectus are the property of their respective owners.

Unless the context otherwise requires, references in this prospectus to shares of our common stock, including prices per share of our common stock, reflect the one-for-15 reverse split that was approved by our stockholders and board of directors on May 10, 2016. We have been advised that shares of our common stock will commence trading on a split-adjusted basis on May 12, 2016.

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LETTER FROM OUR CHIEF EXECUTIVE OFFICER

Dear Stockholders,

Over the past 18 months Cytori has undergone a considerable transformation. Driving that transformation is a fresh, experienced team that is focused on getting the job done, quickly and efficiently.

Over that time, we have enhanced the company's path to a U.S. approval by repositioning our clinical program from a single expensive development program for heart failure to a broader pipeline of later stage indications that are cost effective to develop while still targeting very attractive commercial opportunities and unmet patient needs. The U.S. phase III trial in our lead indication, scleroderma, should be fully enrolled by mid-June 2016 with a planned evaluation and potential FDA approval by 2018.

Simultaneously, we have taken a number of actions to strengthen our financial position and continue to reduce our financing requirements. Specifically, we reduced a substantial amount of the company's debt and key liabilities and we have reduced our operating cash burn by over 40% year-over-year while increasing our investment in research and development with an emphasis on late-stage clinical programs. In addition, we are focusing on three key revenue-producing activities: our BARDA program, our Japan therapeutic sales and our recently launched European managed access program. These combined initiatives are part of our plan to become financially self-sustaining, while in the meantime, allow greater flexibility and discretion in when and how we access capital with the goal of minimizing dilution to current shareholders.

As we approach a number of important milestones, the board and management seek to address the existing capital needs of the company in a manner that best recognizes and includes our stockholders. If fully subscribed, we believe this stockholder rights offering will provide sufficient capital to allow the company to complete enrollment and announce the data from our U.S. phase III scleroderma trial and move the company ever closer to our larger goal of enhancing lives through novel cellular therapies.

Thank you for your support of the company and confidence in our technology and team.

Sincerely,

Dr. Marc H. Hedrick President & CEO

QUESTIONS AND ANSWERS RELATING TO THE RIGHTS OFFERING

The following are examples of what we anticipate will be common questions about this Rights Offering. The answers are based on selected information included elsewhere in this prospectus. The following questions and answers do not contain all of the information that may be important to you and may not address all of the questions that you may have about the Rights Offering. This prospectus and the documents incorporated by reference into this prospectus contain more detailed descriptions of the terms and conditions of the Rights Offering and provides additional information about us and our business, including potential risks related to the Rights Offering, the Units offered hereby, and our business. We urge you to read this entire prospectus and the documents incorporated by reference into this prospectus.

Why are we conducting the Rights Offering?

We are conducting the Rights Offering to raise additional capital for general corporate purposes, including our clinical trials, further development of our Celution System products and other related research and development, sales and marketing, general administrative expenses, working capital and capital expenditures.

What is the Rights Offering?

We are distributing, at no charge, to record holders of our common stock, non-transferable Subscription Rights to purchase Units at a price of \$4.00 per Unit. The Subscription Rights will not be tradable. Each Unit consists of one share of common stock and 0.5 of a Warrant. Each whole Warrant will be exercisable for one share of our common stock. Upon closing of the Rights Offering, the common stock and Warrants will immediately separate. We have applied to list the Warrants on NASDAQ under the symbol "CYTXW." You will receive one Subscription Right for each share of common stock that you owned as of 5:00 p.m., Eastern Time, on the Record Date. Each Subscription Right entitles the record holder to a Basic Subscription Right and an Over-Subscription Privilege. The Subscription Rights will expire if they are not exercised by 5:00 p.m., Eastern Time, on June 9, 2016, unless we extend or earlier terminate the Rights Offering.

What are the Basic Subscription Rights?

For each share you owned you owned as of the Record Date, you will receive one Basic Subscription Right, which gives you the opportunity to purchase one Unit, consisting of one share of our common stock and 0.5 of a Warrant, for a price of \$4.00 per Unit. For example, if you owned 100 shares of common stock as of the Record Date, you will receive 100 Subscription Rights and will have the right to purchase 100 shares of our common stock and Warrants to purchase 50 shares of our common stock for \$4.00 per Unit (or a total payment of \$400.00). You may exercise all or a portion of your Basic Subscription Rights or you may choose not to exercise any Basic Subscription Rights at all.

If you are a record holder of our common stock, the number of shares you may purchase pursuant to your Basic Subscription Rights is indicated on the enclosed Rights Certificate. If you hold your shares in the name of a broker, dealer, bank or other nominee who uses the services of the Depository Trust Company, or DTC, you will not receive a Rights Certificate. Instead, DTC will issue one Subscription Right to your nominee record holder for each share of our common stock that you beneficially own as of the Record Date. If you are not contacted by your nominee, you should contact your nominee as soon as possible.

What is the Over-Subscription Privilege?

If you exercise your Basic Subscription Rights in full, you may also choose to exercise your Over-Subscription Privilege to purchase a portion of any Units that remain available under the Rights Offering. You should indicate on your Rights Certificate, or the form provided by your nominee if your shares are held in the name of a nominee, how many additional Units you would like to purchase pursuant to your Over-Subscription Privilege, which we refer to as your Over-Subscription Request.

Subject to stock ownership limitations, if sufficient Units are available, we will seek to honor your Over-Subscription Request in full. If Over-Subscription Requests exceed the number of Units available, however, we will allocate the available Units pro-rata among the record holders exercising the Over-Subscription Privilege in proportion to the number of shares of our common stock each of those record holders owned on the Record Date, relative to the number of shares owned on the Record Date by all record holders exercising the Over-Subscription Privilege. If this pro-rata allocation results in any record holders receiving a greater number of Units than the record holder subscribed for pursuant to the exercise of the Over-Subscription Privilege, then such record holder will be allocated only that number of Units for which the record holder oversubscribed, and the remaining Units will be allocated among all other record holders exercising the Over-Subscription Privilege on the same pro rata basis described above. The proration process will be repeated until all Units have been allocated. See "The Rights Offering—Limitation on the Purchase of Units" for a description of certain stock ownership limitations.

To properly exercise your Over-Subscription Privilege, you must deliver to the Subscription Agent the subscription payment related to your Over-Subscription Privilege before the Rights Offering expires. See "The Rights Offering—The Subscription Rights—Over-Subscription Privilege." To the extent you properly exercise your Over-Subscription Privilege for an amount of Units that exceeds the number of unsubscribed Units available to you, any excess subscription payments will be returned to you within 10 business days after the expiration of the Rights Offering, without interest or deduction.

Broadridge Corporate Issuer Solutions, Inc., our Subscription Agent for the Rights Offering, will determine the allocation of Over-Subscription Requests based on the formula described above.

May the Subscription Rights that I exercise be reduced for any reason?

Yes. While we are distributing to holders of our common stock one Subscription Right for every share of common stock owned on the Record Date, we are only seeking to raise \$20.0 million dollars in gross proceeds in this Rights Offering. As a result, based on 13,310,740 shares of common stock outstanding as of March 31, 2016, we would grant Subscription Rights to acquire 13,310,740 Units but will only accept subscriptions for 5,000,000 Units. Accordingly, sufficient Units may not be available to honor your subscription in full. If exercises of Basic Subscription Rights exceed the number of Units available in the Rights Offering, we will allocate the available Units pro-rata among the record holders exercising the Basic Subscription Rights in proportion to the number of shares of our common stock each of those record holders owned on the Record Date, relative to the number of shares owned on the Record Date by all record holders subscribed for pursuant to the exercise of the Basic Subscription Rights, then such record holders will be allocated only that number of Units for which the record holder subscribed, and the remaining Units will be allocated among all other record holders exercising their Basic Subscription Rights on the same pro rata basis described above. The proration process will be repeated until all Units have been allocated. In addition, pursuant to the terms of our October 2014 securities purchase agreement, upon our issuance of common stock for cash consideration, the purchasers thereunder have the right, until June 2016, to participate in up to 50% of any issuance by us of common stock on the same terms, conditions and price of such issuance. It is possible that such purchasers may exercise their participation rights and reduce the number of Units that may be issued to holders who exercise their Subscription Rights. Please also see the discussion under "The Rights Offering—The Subscription Rights—Over-Subscription Privilege" and "The Rights

Offering—Limitation on the Purchase of Units" for a description potential proration as to the Over-Subscription Privilege and certain stock ownership limitations.

If for any reason the amount of Units allocated to you is less than you have subscribed for, then the excess funds held by the Subscription Agent on your behalf will be returned to you, without interest, as soon as practicable after the Rights Offering has expired and all prorating calculations and reductions contemplated by the terms of the Rights Offering have been effected, and we will have no further obligations to you.

What are the terms of the Warrants?

Each Warrant entitles the holder to purchase one share of common stock at an exercise price of \$4.80 per share from the date of issuance through its expiration 30 months from the date of issuance. The Warrants will be exercisable for cash, or, solely during any period when a registration statement for the exercise of the Warrants is not in effect, on a cashless basis. We may redeem the Warrants for \$0.01 per Warrant if our common stock closes above \$12.00 per share for ten consecutive trading days, provided that we may not do so prior to the first anniversary of closing of the Rights Offering.

Are the Warrants listed?

We have applied to list the Warrants on NASDAQ under the symbol "CYTXW," although there is no assurance that a sufficient number of Subscription Rights will be exercised so that the Warrants will meet the minimum listing criteria to be accepted for listing on NASDAQ.

The Warrants will be issued in registered form under a warrant agent agreement with Broadridge Corporate Issuer Solutions, Inc. as warrant agent.

What are the requirements to list the Warrants on Nasdaq?

To satisfy the initial listing requirement for Warrants on the Nasdaq Capital Market, we must (i) issue at least 400,000 Warrants, (ii) maintain the listing of the common stock underlying the Warrants on NASDAQ, (iii) have at least three registered and active market makers, and (iv) have at least 400 round lot holders of the Warrants (meaning a holder of at least 100 warrants).

Will fractional shares be issued upon exercise of Subscription Rights or upon the exercise of Warrants?

No. We will not issue fractional shares of common stock in the Rights Offering. We will only distribute Subscription Rights to acquire whole Units, and rights holders will only be entitled to purchase a number of Units representing a whole number of shares and Warrants, rounded down to the nearest whole number of shares or Warrants, as applicable, a holder would otherwise be entitled to purchase. Any excess subscription payments received by the Subscription Agent will be returned within 10 business days after expiration of the Rights Offering, without interest or deduction.

What effect will the Rights Offering have on our outstanding common stock?

Based on 13,310,740 shares of common stock outstanding as of March 31, 2016 assuming no other transactions by us involving our common stock prior to the expiration of the Rights Offering, if the Rights Offering is fully subscribed, 5,000,000 shares of our common stock will be issued and outstanding and Warrants to purchase an additional 2,500,000 shares of our common stock will be outstanding. The exact number of shares and Warrants that we will issue in this Rights Offering will depend on the number of Units that are subscribed for in the Rights Offering.

How was the Subscription Price determined?

In determining the Subscription Price, the directors considered, among other things, the following factors:

- the current and historical trading prices of our common stock;
- the price at which stockholders might be willing to participate in the Rights Offering;
- the value of the Warrant being issued as a component of the Unit;
- our need for additional capital and liquidity;
- the cost of capital from other sources; and
- comparable precedent transactions, including the percentage of shares offered, the terms of the subscription rights being offered, the subscription price and the discount that the subscription price represented to the immediately prevailing closing prices for those offerings.

In conjunction with the review of these factors, the board of directors also reviewed our history and prospects, including our past and present earnings and cash requirements, our prospects for the future, the outlook for our industry and our current financial condition. The board of directors also believed that the Subscription Price should be designed to provide an incentive to our current stockholders to participate in the Rights Offering and exercise their Basic Subscription Right and their Over-Subscription Privilege.

The Subscription Price does not necessarily bear any relationship to any established criteria for value. You should not consider the Subscription Price as an indication of actual value of our company or our common stock. The market price of our common stock may decline during or after the Rights Offering. You should obtain a current price quote for our common stock before exercising your Subscription Rights and make your own assessment of our business and financial condition, our prospects for the future, the terms of the Rights Offering, the information in this prospectus and the other considerations relevant to your circumstances. Once made, all exercises of Subscription Rights are irrevocable. In addition, there is no established trading market for the Warrants to be issued pursuant to this offering, and the Warrants may not be widely distributed. We have applied to list the Warrants for trading on NASDAQ under the symbol "CYTXW," but there can be no assurance that a sufficient number of Subscription Rights will be exercised so that the Warrants will meet minimum listing criteria to be accepted for listing on NASDAQ or that a market will develop for the Warrants.

Am I required to exercise all of the Basic Subscription Rights I receive in the Rights Offering?

No. You may exercise any number of your Basic Subscription Rights, or you may choose not to exercise any Basic Subscription Rights. If you do not exercise any Basic Subscription Rights, the number of shares of our common stock you own will not change. However, if you choose to not exercise your Basic Subscription Rights in full and other holders of Subscription Rights do exercise, your proportionate ownership interest in our company will decrease. If you do not exercise your Basic Subscription Rights in full, you will not be entitled to exercise your Over-Subscription Privilege.

How soon must I act to exercise my Subscription Rights?

If you received a Rights Certificate and elect to exercise any or all of your Subscription Rights, the Subscription Agent must receive your completed and signed Rights Certificate and payment for both your Basic Subscription Rights and any Over-Subscription Privilege you elect to exercise before the Rights Offering expires on June 9, 2016, at 5:00 p.m., Eastern Time, unless we extend or earlier terminate the Rights Offering. If you hold your shares in the name of a broker, dealer, bank or other nominee, your nominee may establish a deadline before the expiration of the Rights Offering by which you must provide it with your instructions to exercise your Subscription Rights, along with the required subscription payment.

May I transfer my Subscription Rights?

No. The Subscription Rights may be exercised only by the stockholders to whom they are distributed, and they may not be sold, transferred, assigned or given away to anyone else, other than by operation of law. As a result, Rights Certificates may be completed only by the stockholder who receives the certificate. We do not intend to apply for the listing of the Subscription Rights on any securities exchange or recognized trading market.

Will our directors and executive officers participate in the Rights Offering?

To the extent they hold common stock as of the Record Date, our directors and executive officers will be entitled to participate in the Rights Offering on the same terms and conditions applicable to other Rights holders. While none of our directors or executive officers has entered into any binding commitment or agreement to exercise Subscription Rights received in the Rights Offering, all of our directors and executive officers have indicated an interest in participating in the offering.

Has the board of directors made a recommendation to stockholders regarding the Rights Offering?

No. Our board of directors is making no recommendation regarding your exercise of the Subscription Rights. Rights holders who exercise Subscription Rights will incur investment risk on new money invested. We cannot predict the price at which our shares of common stock and, if listed, the Warrants will trade after the Rights Offering. On May 9, 2016, the last reported sale price of our common stock on NASDAQ was \$3.95 per share. The market price for our common stock may be above the Subscription Price or may be below the Subscription Price. If you exercise your Subscription Rights, you may not be able to sell the underlying shares of our common stock (or Warrants) in the future at the same price or a higher price. You should make your decision based on your assessment of our business and financial condition, our prospects for the future, the terms of the Rights Offering, the information contained in this prospectus and other considerations relevant to your circumstances. See "Risk Factors" for discussion of some of the risks involved in investing in our securities.

How do I exercise my Subscription Rights?

If you are a stockholder of record (meaning you hold your shares of our common stock in your name and not through a broker, dealer, bank or other nominee) and you wish to participate in the Rights Offering, you must deliver a properly completed and signed Rights Certificate, together with payment of the Subscription Price for both your Basic Subscription Rights and any Over-Subscription Privilege you elect to exercise, to the Subscription Agent before 5:00 p.m., Eastern Time, on June 9, 2016. If you are exercising your Subscription Rights through your broker, dealer, bank or other nominee, you should promptly contact your broker, dealer, bank or other nominee and submit your subscription documents and payment for the Units subscribed for in accordance with the instructions and within the time period provided by your broker, dealer, bank or other nominee.

What if my shares or warrants are held in "street name"?

If you hold your shares of our common stock in the name of a broker, dealer, bank or other nominee, then your broker, dealer, bank or other nominee is the record holder of the shares you beneficially own. The record holder must exercise the Subscription Rights on your behalf. Therefore, you will need to have your record holder act for you.

If you wish to participate in this Rights Offering and purchase Units, please promptly contact the record holder of your shares. We will ask the record holder of your shares, who may be your broker, dealer, bank or other nominee, to notify you of this Rights Offering.

What form of payment is required?

You must timely pay the full Subscription Price for the full number of Units you wish to acquired pursuant to the exercise of Subscription Rights by delivering to the Subscription Agent a:

- personal check drawn on a U.S. bank;
- certified check drawn on a U.S. bank;
- U.S. Postal money order; or
- wire transfer.

If you send payment by personal uncertified check, payment will not be deemed to have been delivered to the Subscription Agent until the check has cleared. As such, any payments made by personal check should be delivered to the Subscription Agent no fewer than three business days prior to the expiration date.

If you send a payment that is insufficient to purchase the number of Units you requested, or if the number of Units you requested is not specified in the forms, the payment received will be applied to exercise your Subscription Rights to the fullest extent possible based on the amount of the payment received.

When will I receive my new shares of common stock and Warrants?

As soon as practicable after the expiration of the Rights Offering, and within five business days thereof, we expect to close on subscriptions and for the Subscription Agent to arrange for the issuance of the shares of common stock and Warrants purchased in the Rights Offering. At closing, all prorating calculations and reductions contemplated by the terms of the Rights Offering will have been effected and payment to us for the subscribed-for Units will have cleared. All shares and Warrants that you purchase in the Rights Offering will be issued in book-entry, or uncertificated, form meaning that you will receive a direct registration (DRS) account statement from our transfer agent reflecting ownership of these securities if you are a holder of record of shares or warrants.

If you hold your shares in the name of a broker, dealer, bank or other nominee, DTC will credit your account with your nominee with the securities you purchase in the Rights Offering. Broadridge Corporate Issuer Solutions, Inc. is acting as the warrant agent in this offering.

After I send in my payment and Rights Certificate to the Subscription Agent, may I cancel my exercise of Subscription Rights?

No. Exercises of Subscription Rights are irrevocable, even if you later learn information that you consider to be unfavorable to the exercise of your Subscription Rights. You should not exercise your Subscription Rights unless you are certain that you wish to purchase Units at the Subscription Price.

How much will our company receive from the Rights Offering?

Assuming that all 5,000,000 Units are sold in the Rights Offering, we estimate that the net proceeds from the Rights Offering will be approximately \$18.2 million, based on the Subscription Price of \$4.00 per Unit, after deducting fees and expenses payable to the dealer-manager, and after deducting other expenses payable by us and excluding any proceeds received upon exercise of any Warrants. If all Warrants included in the Units are exercised at the exercise price of \$4.80 per share, we will receive an additional \$12.0 million. We intend to use approximately 55% of the net proceeds from the exercise of Subscription Rights for research and development, including our clinical trials, further development of our Celution System products and other related research and development. In addition, we intend to use approximately 45% of the net proceeds for general corporate purposes, including our sales and marketing initiatives, such as those relating to our potential commercialization of our ECCS-50 schleroderma therapy in Europe, general administrative expenses, working capital and capital expenditures. See "Use of Proceeds."

Are there risks in exercising my Subscription Rights?

Yes. The exercise of your Subscription Rights involves risks. Exercising your Subscription Rights involves the purchase of additional shares of our common stock and Warrants to purchase common stock and you should consider this investment as carefully as you would consider any other investment. The market price of our common stock may not exceed the Subscription Price, and the market price of our common stock may decline during or after the Rights Offering. Our warrants may not be listed on the Nasdaq Capital Market and, even if listed, a market for the Warrants may not develop. You may not be able to sell shares of our common stock or Warrants purchased in the Rights Offering at a price equal to or greater than the Subscription Price. In addition, you should carefully consider the risks described under the heading "Risk Factors" for discussion of some of the risks involved in investing in our securities.

Can the board of directors terminate or extend the Rights Offering?

Yes. Our board of directors may decide to terminate the Rights Offering at any time and for any reason before the expiration of the Rights Offering. We also have the right to extend the Rights Offering for additional periods in our sole discretion. We do not presently intend to extend the Rights Offering. We will notify stockholders and the public if the Rights Offering is terminated or extended by issuing a press release announcing the extension no later than 9:00 a.m., Eastern Time, on the next business day after the most recently announced expiration date of the Rights Offering.

If the Rights Offering is not completed or is terminated, will my subscription payment be refunded to me?

Yes. The Subscription Agent will hold all funds it receives in a segregated bank account until completion of the Rights Offering. If we do not complete the Rights Offering, all subscription payments received by the Subscription Agent will be returned within 10 business days after the termination or expiration of the Rights Offering, without interest or deduction. If you own shares in "street name," it may take longer for you to receive your subscription payment because the Subscription Agent will return payments through the record holder of your shares.

How do I exercise my Rights if I live outside the United States?

The Subscription Agent will hold Rights Certificates for stockholders having addresses outside the United States. To exercise Subscription Rights, foreign stockholders must notify the Subscription Agent and timely follow other procedures described in the section entitled "The Rights Offering – Foreign Shareholders."

What fees or charges apply if I purchase shares in the Rights Offering?

We are not charging any fee or sales commission to issue Subscription Rights to you or to issue shares of common stock or Warrants to you if you exercise your Subscription Rights. If you exercise your Subscription Rights through a broker, dealer, bank or other nominee, you are responsible for paying any fees your broker, dealer, bank or other nominee may charge you.

What are the U.S. federal income tax consequences of receiving and/or exercising my Subscription Rights?

For U.S. federal income tax purposes, we do not believe you should recognize income or loss in connection with the receipt or exercise of Subscription Rights in the Rights Offering. You should consult your tax advisor as to the tax consequences of the Rights Offering in light of your particular circumstances. For a detailed discussion, see "Material U.S. Federal Income Tax Consequences."

To whom should I send my forms and payment?

If your shares are held in the name of a broker, dealer, bank or other nominee, then you should send your subscription documents and subscription payment to that broker, dealer, bank or other nominee. If you are the record holder, then you should send your subscription documents, Rights Certificate, and subscription payment to the Subscription Agent by hand delivery, first class mail or courier service to:

Broadridge Corporate Issuer Solutions, Inc. 1717 Arch Street, Suite 1300 Philadelphia, PA 19103 Attn: Re-Organization Department

You or, if applicable, your nominee are solely responsible for completing delivery to the Subscription Agent of your subscription documents, Rights Certificate and payment. You should allow sufficient time for delivery of your subscription materials to the Subscription Agent and clearance of payment before the expiration of the Rights Offering at 5:00 p.m. Eastern Time on June 9, 2016.

Whom should I contact if I have other questions?

If you have other questions or need assistance, please contact the Information Agent:

Broadridge Corporate Issuer Solutions, Inc.

(855) 793-5068 (toll free)

Who is the dealer-manager?

Maxim Group LLC will act as dealer-manager for the Rights Offering. Under the terms and subject to the conditions contained in the dealer-manager agreement, the dealer-manager will use its best efforts to solicit the exercise of Subscription Rights. We have agreed to pay the dealer-manager certain fees for acting as dealer-manager and to reimburse the dealer-manager for certain out-of-pocket expenses incurred in connection with this offering. The dealer-manager is not underwriting or placing any of the Subscription Rights or the shares of our common stock or Warrants being issued in the Rights Offering and is not making any recommendation with respect to such Subscription Rights (including with respect to the exercise or expiration of such Subscription Rights), shares of common stock or Warrants.

PROSPECTUS SUMMARY

This summary contains basic information about us and this offering. Because it is a summary, it does not contain all of the information that you should consider before investing. Before you decide to invest in our Units, you should read this entire prospectus carefully, including the section entitled "Risk Factors" and any information incorporated by reference herein.

Our Business

We develop cellular therapeutics uniquely formulated and optimized for specific diseases and medical conditions and related products. Our lead therapeutics are currently targeted for impaired hand function in scleroderma, osteoarthritis of the knee, stress urinary incontinence, and deep thermal burns including those complicated by radiation exposure.

Our cellular therapeutics are collectively known by the trademarked name, Cytori Cell Therapy, and consist of a mixed population of specialized cells including stem cells that are involved in response to injury, repair and healing. These cellular therapeutics are extracted from an adult patient's own adipose (fat) tissue using our fully automated Celution System, proprietary enzymes, and sterile consumable sets at the place where the patient is receiving their care or potentially at an off-site processing center. Cytori Cell Therapy can either be administered to the patient the same day or cryopreserved for future use. An independent published study has reported that our proprietary technology process resulted in higher nucleated cell viability, less residual enzyme activity, less processing time, and improved economics in terms of cell progenitor output compared to the three other semi-automated and automated processes that were reviewed.

Our primary near-term goal is for Cytori Cell Therapy to be the first cell therapy to market for the treatment of impaired hand function in scleroderma, through Cytori-sponsored and supported clinical development efforts. The STAR trial is a 48-week, randomized, double blind, placebo-controlled phase III pivotal clinical trial of 80 patients in the U.S. The trial evaluates the safety and efficacy of a single administration of Cytori Cell Therapy, or ECCS-50, in scleroderma patients affecting the hands and fingers. The first sites for the scleroderma study were initiated in July 2015. Over 75% of patients have been enrolled in the STAR study. We anticipate that the target enrollment of 80 patients will be achieved by mid-June 2016.

With respect to the remainder of our clinical pipeline, we received Investigational Device Exemption, or IDE, approval from the U.S. Food and Drug Administration, or FDA, in late 2014 for our phase II ACT-OA osteoarthritis study and in early 2015 we initiated this study, and enrollment was completed in June 2015. Data analysis of the 48-week data will be available during the third quarter of 2016. In July 2015, a Company-supported male stress urinary incontinence, or SUI, trial in Japan for male prostatectomy patients (after prostate surgery) received approval to begin enrollment from the Japanese Ministry of Health, Labor and Welfare, or MHLW. The goal of this investigator-initiated trial is to gain regulatory approval in Japan of Cytori Cell Therapy for this indication. We are also developing a treatment for thermal burns combined with radiation injury under a contract from the Biomedical Advanced Research Development Authority, or BARDA, a division of the U.S. Department of Health and Human Services. We are also exploring other development opportunities in a variety of other conditions.

In addition to our targeted therapeutic development, we have continued to commercialize the Cytori cell therapy technology under select medical device approvals, clearances and registrations to research and commercial customers in Europe, Japan, and other regions. Many of these customers are research customers evaluating new therapeutic applications of Cytori Cell Therapy. The sale of systems, consumables and ancillary products contributes a margin that partially offsets our operating expenses and will continue to play a role in fostering familiarity within the medical community with our technology. These sales have also facilitated the discovery of new applications for Cytori Cell Therapy by customers conducting investigator-initiated and funded research.

Lead Indication: Scleroderma

Scleroderma is a rare and chronic autoimmune disorder associated with fibrosis of the skin, and destructive changes in blood vessels and multiple organ systems as the result of a generalized overproduction of collagen. Scleroderma affects approximately 50,000 patients in the U.S. (women are affected four times more frequently than men) and is typically detected between the ages of 30 and 50. More than 90 percent of scleroderma patients have hand involvement that is typically progressive and can result in chronic pain, blood flow changes and severe dysfunction. The limited availability of treatments for scleroderma may provide some benefit but do little to modify disease progression or substantially improve symptoms. Treatment options are directed at protecting the hands from injury and detrimental environmental conditions as well as the use of vasodilators. When the disease is advanced, immunosuppressive and other medications may be used but are often accompanied by significant side effects.

In January 2015, the FDA granted unrestricted IDE approval for a pivotal clinical trial, named the "STAR" trial, to evaluate Cytori Cell Therapy as a potential treatment for impaired hand function in scleroderma. The STAR trial is a 48-week, randomized, double blind, placebo-controlled pivotal clinical trial of 80 patients in the U.S. The trial evaluates the safety and efficacy of a single administration of ECCS-50 in scleroderma patients affecting the hands and fingers. The STAR trial uses the Cochin Hand Function Scale, or CHFS, a validated measure of hand function, as the primary endpoint measured at six months after a single administration of ECCS-50 or placebo. Patients in the placebo group will be eligible for crossover to the active arm of the trial after all patients have completed 48 weeks of follow up. In February 2015, the FDA approved our request to increase the number of investigational sites from 12 to up to 20. The increased number of sites is anticipated to broaden the geographic coverage of the trial and facilitate trial enrollment. The enrollment of this trial began in August 2015 and we recently reported that we enrolled the 60th patient and expect to complete enrollment of this trial in mid-June, 2016.

The STAR trial is predicated on a completed investigator-initiated pilot phase I/II trial performed in France termed SCLERADEC I. The SCLERADEC I trial received partial support from Cytori. The results were published in the Annals of the Rheumatic Diseases in May 2014 and demonstrate approximately a 50 percent improvement at six months across four important and validated endpoints used to assess the clinical status in patients with scleroderma with impaired hand function. Patients perceived their health status to be improved as shown by a 45.2% and 42.4% decrease of the Scleroderma Health Assessment Questionnaire, or SHAQ, at month 2 (p=0.001) and at month 6 (p=0.001), respectively. A 47% and 56% decrease of the CHFS at month 2 and month 6 in comparison to baseline was observed (p<0.001 for both). Grip strength increased at month 6 with a mean improvement of +4.8±6.4 kg for the dominant hand (p=0.033) and +4.0±3.5 kg for the non-dominant hand (p=0.002). Similarly, an increase in pinch strength at month 6 was noted with a mean improvement of +1.0±1.1 kg for the dominant hand (p=0.009) and +0.8±1.2 kg for the non-dominant hand (p=0.050). Among subjects having at least one digital ulcer (DU) at inclusion, total number of DU decreased, from 15 DUs at baseline, 10 at month 2 and 7 at month 6. The average reduction of the Raynaud's Condition Score from baseline was 53.7% at month 2 (p<0.001) and 67.5% at month 6 (p<0.001). Hand pain showed a significant decrease of 63.6% at month 2 (p=0.001) and 70% at month 6 (p<0.001). One year results were recently published in the journal Rheumatology. Relative to baseline, the CHFS and the SHAQ improved by 51.3% and 46.8% respectively (p<0.001 for both). The Raynaud's score improved by 63.2% from baseline (p<0.001). Other findings include a 30.5% improvement in grip strength (p=0.002) and a 34.5% improvement in hand pain (p=0.052). In February 2016, two-year follow up data in the SCLERADEC I trial was presented at the Systemic Sclerosis World Congress, which demonstrated sustained improvement in the following four key endpoints: Cochin Hand Function Score (CHFS), Scleroderma Health Assessment Questionnaire, Raynaud's Condition Score (which assesses severity of Raynaud's Phenomenon), and hand pain, as assessed by a standard visual analogue scale. The major findings at 24 months following single administration of Cytori Cell Therapy (ECCS-50) were as follows:

- Raynaud's Condition Score decreased by an average of 89% over baseline at two years (p<0.001).
- Hand pain, as measured by a 100 mm Visual Analogue Scale, and the Scleroderma Health Assessment Questionnaire (SHAQ) score at two years both showed improvement of 50% over baseline (p=0.01 and p<0.001 respectively).
- Improvement of 20% in grip strength and 330% in pinch strength at two years (p=0.05 and p=0.004 respectively).
- · Continued reduction in the number of ulcers from 15 at baseline to 9 at one year and 6 at two years.

In 2014, Drs. Guy Magalon and Brigitte Granel, under the sponsorship of the Assistance Publique - Hôpitaux de Marseille, submitted a study for review for a follow-up phase III randomized, double-blind, placebo-controlled trial in France using Cytori Cell Therapy, to be supported by Cytori. The trial name is SCLERADEC II and was approved by the French government in April 2015. Enrollment of this trial commenced in October 2015. Patients will be followed for 6 months post-procedure.

In January 2016, we entered into an agreement with Idis Managed Access, part of Clinigen Group plc, or Idis, to establish a managed access program, or MAP, in select countries across Europe, the Middle East and Africa, or EMEA, for patients with impaired hand function due to scleroderma. We established this MAP, also known as a "compassionate use," "early access" or "named patient" program, to make our ECCS-50 therapy available to patients in advance of obtaining regulatory clearance. We believe this MAP program is justified and needed based on a number of factors, including scleroderma's status as a rare disease, the favorable risk-benefit profile reported by the 12-patient, open-label SCLERADEC I clinical study results, our two scleroderma phase III trials currently enrolling, and clear unmet scleroderma patient needs. We hope to offer our ECCS-50 schleroderma therapy to patients who are unable to participate in our scleroderma clinical trials, generally due to a lack of geographic proximity to a site. Beyond the benefit of helping patients in need of new therapies for scleroderma, the MAP will increase awareness of and facilitate a positive experience with Cytori Cell Therapy among healthcare providers in advance of commercialization, and will also allow for tracking and collection of key program data and documentation which will provide valuable insight regarding the demand for and use of Cytori Cell Therapy.

In April 2015, the European Commission, acting on the positive recommendation from the European Medicines Agency Committee for Orphan Medicinal Products, issued orphan drug designation to autologous adipose derived stromal vascular cells (ECCS-50) processed with the Celution System for systemic sclerosis. This designation marks the first autologous adipose derived cell therapy to be designated orphan drug status in Europe for scleroderma.

Osteoarthritis

Osteoarthritis is a disease of the entire joint involving the cartilage, joint lining, ligaments and underlying bone. The breakdown of tissue leads to pain, joint stiffness and reduced function. It is the most common form of arthritis and affects an estimated 13.9% of US adults over the age of 25, and 33.6% of US adults over the age of 65. Current treatments include physical therapy, non-steroidal anti-inflammatory medications, viscosupplement injections, and total knee replacement. A substantial medical need exists as present medications have limited efficacy and joint replacement is a relatively definitive treatment for those with the most advanced disease.

In the later part of 2014, we received approval by the FDA to begin an exploratory U.S. IDE pilot (phase IIa/b) trial of Cytori Cell Therapy in patients with osteoarthritis of the knee. The trial, called ACT-OA, is a 94-patient, randomized, double-blind, placebo controlled study involving two doses of Cytori Cell Therapy, a low dose and a high dose, and will be conducted over 48 weeks. The randomization is 1:1:1 between the control, low and high dose groups. Enrollment on this trial began in February 2015 and was completed in June 2015. The goal of this proof-of-concept trial is to help determine: (1) safety and feasibility of the ECCO-50 therapeutic for osteoarthritis, (2) provide dosing guidance and (3) explore key trial endpoints useful for a phase III trial.

A pre-specified partial unblinding and top-line analysis of 24-week data was recently completed. The objective of the analysis was to provide early data to facilitate key regulatory and business development discussions and provide better understanding of the therapeutic mechanism of action that may impact other clinical programs. The interim top-line data shows the following:

- The randomization is relatively balanced among the three treatment groups; low dose, high dose, and placebo.
- Intra-articular application of a single dose of ECCO-50 appears to be safe and feasible in an outpatient day-surgery setting. No complications occurred related to the fat harvest, cell processing or cell delivery.
- · A significant placebo response was observed, similar to that demonstrated in other OA trials.
- The pre-specified primary endpoint, pain on walking at 12 weeks, as measured by a single question from the Knee Injury and Osteoarthritis Outcome Score, or KOOS, did not obtain statistical significance.
- Key secondary endpoints include the total and sub-scores of the KOOS, patient self-assessments (knee pain, knee stability, osteoarthritis activity and osteoarthritis damage), use of as-needed pain medication, pain while walking 50 feet and health status as measured by the SF-36. Consistent trends were observed suggesting improvement in the cell treated group relative to the placebo group at the 12 and 24-week time periods for patient reported outcomes; however, in general, between-group differences were small.
- · Both high doses and low doses of ECCO-50 performed similarly.

In the third quarter of 2016, following full unblinding of the 48-week data, we expect to be able to fully evaluate the data including 48-week follow-up, patient subset analyses, and the effect on knee cartilage as measured by magnetic resonance imaging results changes between baseline and 48 weeks.

Stress Urinary Incontinence

Another therapeutic target under evaluation by Cytori in combination with the University of Nagoya and the Japanese MHLW is stress urinary incontinence in men following surgical removal of the prostate gland, which is based on positive data reported in a peer reviewed journal resulting from the use of adiposederived regenerative cells processed by our Celution System. The ADRESU trial is a 45 patient, open-label, multi-center, and single arm trial that was approved by Japan's MHLW in July 2015 and is being led by both Momokazu Gotoh, MD, Ph.D., Professor and Chairman of the Department of Urology and Tokunori Yamamoto, MD, Ph.D., Associate Professor Department of Urology at University of Nagoya Graduate School of Medicine. The goal of this investigator-initiated trial will be to apply for product approval for Cytori Cell Therapy technology for this indication. This clinical trial is primarily sponsored and funded by the Japanese government. Enrollment of this trial began in September 2015.

Cutaneous and Soft Tissue Thermal and Radiation Injuries

Cytori Cell Therapy is also being developed for the treatment of thermal burns combined with radiation injury. In the third quarter of 2012, we were awarded a contract valued at up to \$106 million with BARDA to develop a medical countermeasure for thermal burns. The initial base period included \$4.7 million over two years and covered preclinical research and continued development of Cytori's Celution System to improve cell processing.

In 2014, an In-Process Review Meeting was held at which Cytori confirmed completion of the objectives of the initial phase of the contract. In August 2014, BARDA exercised contract option 1 in the amount of approximately \$12 million. In December 2014, this was supplemented with an additional \$2 million. This funded continuation of research, regulatory, clinical and other activities required for submission of an Investigational Device Exemption, or IDE, request to the FDA for a pilot clinical trial using Cytori Cell Therapy (DCCT-10) for the treatment of thermal burns. Upon receipt of IDE approval to execute this pilot clinical trial, we anticipate that BARDA will provide funding to cover costs associated with execution of the clinical trial and related activities, currently estimated at approximately \$8.3 million.

Our contract with BARDA contains two additional options to fund a pivotal clinical trial and additional preclinical work in thermal burn complicated by radiation exposure. These options are valued at up to \$45 million and \$23 million, respectively.

The total award under the BARDA contract is intended to support all clinical, preclinical, regulatory and technology development activities needed to complete the FDA approval process for use of Cytori Cell Therapy, or DCCT-10, in thermal burn injury under a device-based PMA regulatory pathway and to provide preclinical data in burn complicated by radiation exposure.

Other Clinical Indications

Heart failure due to ischemic heart disease does not represent a current clinical target for the Company. Our ATHENA and ATHENA II trials related to that indication were truncated and we have minimized expenses related to initiatives in this area. While we may use the data from these trial programs for regulatory support for our other indications and also for publication in peer reviewed forums, the Company is not actively pursuing indications related to these trials. The 12 month results of the ATHENA Trials were presented by the investigators at the Society of Cardiac Angiography and Interventions Annual Scientific Meeting on May 5, 2016.

Corporate Information

We were initially formed as a California general partnership in July 1996, and incorporated in the State of Delaware in May 1997. We were formerly known as MacroPore Biosurgery, Inc., and before that as MacroPore, Inc. Our corporate offices are located at 3020 Callan Road, San Diego, CA 92121. Our telephone number is (858) 458-0900. We maintain an Internet website at www.cytori.com. The information contained on, or that can be accessed through, our website is not part of this prospectus. Through this site, we make available free of charge our annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K, and amendments to those reports filed or furnished pursuant to Section 13(a) of the Securities Exchange Act of 1934, as amended, as soon as reasonably practicable after we electronically file such material with, or furnish it to, the SEC. In addition, we publish on our website all reports filed under Section 16(a) of the Securities Exchange Act by our directors, officers and 10% stockholders. These materials are accessible via the Investor Relations—Reports and Filings section of our website within the "SEC Filings" link. Some of the information is stored directly on our website, while other information can be accessed by selecting the provided link to the section on the SEC website, which contains filings for our company and its insiders.

SUMMARY CONSOLIDATED FINANCIAL DATA

The following summary consolidated balance sheets and statements of operations as of December 31, 2015 and 2014 and for the years ended December 31, 2015, 2014 and 2013, respectively, have been derived from our audited consolidated financial statements that are included in the documents incorporated by reference into this prospectus. The summary consolidated balance sheet and statements of operations as of and for the three months ended March 31, 2016 are derived from our unaudited consolidated financial statements of operations as of and for the three months ended March 31, 2016 are derived from our unaudited consolidated financial statements that are included in the documents incorporated by reference into this prospectus. The historical financial data presented below is not necessarily indicative of our financial results in future periods. You should read the summary consolidated financial data in conjunction with those financial statements and the accompanying notes and "Management's Discussion and Analysis of Financial Condition and Results of Operations" in the documents incorporated by reference into this prospectus. Our consolidated financial statements are prepared and presented in accordance with United States generally accepted accounting principles, or U.S. GAAP. All share and per share information presented herein has been retroactively restated to reflect the reverse split.

CYTORI THERAPEUTICS, INC. CONSOLIDATED BALANCE SHEETS

	As of March 31, 2016		ch As of Dece		ember 31,	
			2016 2015		2014	
	J)	J naudited)				
Assets						
Current assets:	¢	0.050.000	¢	1 4 220 000	¢	14 633 000
Cash and cash equivalents	\$	9,358,000	\$	14,338,000	\$	14,622,000
Accounts receivable, net of reserves of \$795,000 in the period ended March 31, 2016 and of \$797,000 and of \$1,523,000 in period ended December 31, 2015 and 2014, respectively		829,000		1,052,000		1,243,000
Inventories, net		4,462,000		4,298,000		4,829,000
Other current assets	_	1,866,000		1,555,000		992,000
Total current assets		16,515,000		21,243,000		21,686,000
Property and equipment, net		1,523,000		1,631,000		1,583,000
Restricted cash and cash equivalents		350,000		350,000		350,000
Other assets		1,682,000		1,521,000		1,763,000
Intangibles, net		8,923,000		9,031,000		9,415,000
Goodwill		3,922,000		3,922,000		3,922,000
	_	<u> </u>		<u> </u>		
Total assets	\$	32,915,000	\$	37,698,000	\$	38,719,000
Liabilities and Stockholders' Equity (Deficit)						
Current liabilities:						
Accounts payable and accrued expenses	\$	6,693,000	\$	6,687,000	\$	5,546,000
Current portion of long-term obligations, net of discount		1,724,000		—		7,363,000
Joint Venture purchase obligation	_	1,267,000	_	1,750,000	_	3,008,000
Total current liabilities		9,684,000		8,437,000		15,917,000
				-, - ,		-,- ,
Warrant liability		—		—		9,793,000
Deferred revenues		101,000		105,000		112,000
Long-term deferred rent		189,000		269,000		558,000
Long-term obligations, net of discount, less current portion	_	15,198,000		16,681,000		18,041,000
Total liabilities		25,172,000		25,492,000		44,421,000
Commitments and contingencies						
Stockholders' equity:						
Series A 3.6% convertible preferred stock, \$0.001 par value; 5,000,000 shares authorized; 13,500 shares issued and no shares outstanding in March 31, 2016 and December 31, 2015; 13,500 shares						
issued and 5,311 outstanding in December 31, 2014 Common stock, \$0.001 par value; 75,000,000 shares authorized; 13,310,740 shares issued and		_				
outstanding as of March 31, 2016, 13,003,893 and 6,623,226 shares issued and outstanding as of December 31, 2015 and 2014, respectively		13,000		13,000		7,000
Additional paid-in capital		369,339,000		368,214,000		331,864,000
Accumulated other comprehensive income		747,000		996,000		700,000
Accumulated deficit	((362,356,000)		(357,017,000)	((338,273,000)
Total stockholders' equity (deficit)		7,743,000	_	12,206,000	_	(5,702,000)
Total liabilities and stockholders' equity (deficit)	\$	32,915,000	\$	37,698,000	\$	38,719,000

CYTORI THERAPEUTICS, INC.

CONSOLIDATED STATEMENTS OF OPERATIONS AND COMPREHENSIVE LOSS

For the Period Ended March	For the	Years Ended Dece	mber 31,
31 2016	2015	2014	2013

(Unaudited)

Product revenues:	`	,			
Related party	\$		\$ 	\$ 	\$ 1,845,000
Third party		1,333,000	4,838,000	4,953,000	5,277,000
		1,333,000	4,838,000	4,953,000	7,122,000
Cost of product revenues		567,000	3,186,000	2,940,000	3,421,000
Gross profit		766,000	1,652,000	2,013,000	3,701,000
Development revenues:					
Development, related party					638,000
Development					1,179,000
Government contracts and other		1,585,000	6,821,000	2,645,000	3,257,000
Total Development Revenues		1,585,000	6,821,000	2,645,000	5,074,000
Operating expenses:					
Research and development		4,127,000	19,000,000	15,105,000	17,065,000
Sales and marketing		1,035,000	2,662,000	6,406,000	9,026,000
General and administrative		2,286,000	9,765,000	15,953,000	16,031,000
Change in fair value of warrants			(7,668,000)	(369,000)	(418,000)
Change in fair value of option liability		—	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(555,555)	(2,250,000)
Total operating expenses		7,448,000	23,759,000	37,095,000	39,454,000
Operating loss		(5,097,000)	(15,286,000)	(32,437,000)	(30,679,000)
		(0,007,000)	(10,200,000)	(02,107,000)	(00,070,0000)
Other income (expense):					
Gain (loss) on asset disposal			3,000	42,000	(257,000)
Loss on debt extinguishment			(260,000)	—	(708,000)
Interest income		2,000	9,000	6,000	4,000
Interest expense		(657,000)	(3,379,000)	(4,371,000)	(3,396,000)
Other income (expense), net		413,000	169,000	(608,000)	(438,000)
Gain on Puregraft divestiture			_	_	4,453,000
Gain on previously held equity interest in joint venture		—	—	—	4,892,000
Equity loss from investment in joint venture					(48,000)
Total other income (expense)		(242,000)	(3,458,000)	(4,931,000)	4,502,000
Net loss		(5,339,000)	(18,744,000)	(37,368,000)	(26,177,000)
Beneficial conversion feature for convertible preferred stock Net loss allocable to common stockholders		(5.220.000)	(661,000)	(1,169,000)	(26.177.000)
		(5,339,000)	(19,405,000)	(38,537,000)	(26,177,000)
Basic and diluted net loss per share allocable to common stockholders	\$	(0.41)	\$ (2.07)	\$ (7.15)	\$ (5.79)
Basic and diluted weighted average shares used in calculating net loss per share		10.000.050	0.000 400		
allocable to common stockholders		13,086,376	9,386,488	5,388,714	4,518,758
Comprehensive loss:					
Net loss	\$	(5,339,000)	\$ (18,744,000)	\$ (37,368,000)	\$ (26,177,000)
Other comprehensive income – foreign currency translation adjustments		(249,000)	296,000	444,000	256,000
Comprehensive loss	\$	(5,588,000)	\$ (18,448,000)	\$ (36,924,000)	\$ (25,921,000)

SUMMARY OF THE RIGHTS OFFERING

Securities to be We are distributing to you, at no charge, one non-transferable Subscription Right to purchase one Unit for each share of our common stock that you owned on the Record Date. Each Unit consists of one share of common stock and 0.5 of a. offered Size of offering 5,000,000 Units. Subscription \$4.00 per Unit. Price Each whole Warrant entitles the holder to purchase one share of common stock at an exercise price of \$4.80 per share from the date of Warrants issuance through its expiration 30 months from the date of issuance. The Warrants will be exercisable for cash, or, solely during any period when a registration statement for the exercise of the Warrants is not in effect, on a cashless basis. We have applied to list, the Warrants on NASDAQ under the symbol "CYTXW," although there is no assurance that a sufficient number of Subscription Rights will be exercised so that the Warrants will meet the minimum listing criteria to be accepted for listing on NASDAQ. We may redeem the Warrants for \$0.01 per Warrant if our common stock closes above \$12.00 per share for ten consecutive trading days, provided that we may not do so prior to the first anniversary of closing of the Rights Offering. 5:00 p.m., Eastern Time, May 20, 2016. **Record Date** Your Basic Subscription Right will entitle you to purchase one Unit at the Subscription Price. Basic Subscription Rights If you exercise your Basic Subscription Rights in full, you may also choose to purchase a portion of any Units that are not purchased by Over-Subscription our other stockholders through the exercise of their Basic Subscription Rights, subject to proration and stock ownership limitations Privilege described elsewhere in this prospectus. Expiration date The Subscription Rights will expire at 5:00 p.m., Eastern Time, on June 9, 2016. To exercise your Subscription Rights, you must take the following steps: **Procedure for** exercising Subscription If you are a record holder of our common stock or a holder of warrants, you must deliver payment and a properly completed Rights Rights Certificate to the Subscription Agent to be received before 5:00 p.m., Eastern Time, on June 9, 2016. You may deliver the documents and payments by first class mail or courier service. If you use first class mail for this purpose, we recommend using registered mail, properly insured, with return receipt requested. If you are a beneficial owner of shares that are registered in the name of a broker, dealer, bank or other nominee, you should instruct your broker, dealer, bank or other nominee to exercise your Subscription Rights on your behalf. Please follow the instructions of your nominee, who may require that you meet a deadline earlier than 5:00 p.m., Eastern Time, on June 9, 2016. As soon as practicable after the expiration of the Rights Offering, and within five business days thereof, we expect to close on **Delivery of** shares and subscriptions and for the Subscription Agent to arrange for the issuance of the shares of common stock and Warrants purchased pursuant to the Rights Offering. All shares and Warrants that are purchased in the Rights Offering will be issued in book-entry, or uncertificated, Warrants form meaning that you will receive a direct registration, or DRS, account statement from our transfer agent reflecting ownership of these securities if you are a holder of record of shares or warrants. If you hold your shares in the name of a bank, broker, dealer, or other nominee, DTC will credit your account with your nominee with the securities you purchased in the Rights Offering. The Subscription Rights may not be sold, transferred, assigned or given away to anyone. The Subscription Rights will not be listed for Nontransferability trading on any stock exchange or market. of Subscription Rights **Transferability** The Warrants will be separately transferable following their issuance and through their expiration 30 months from the date of issuance. of Warrants No board Our board of directors is not making a recommendation regarding your exercise of the Subscription Rights. You are urged to make your recommendation decision to invest based on your own assessment of our business and financial condition, our prospects for the future, the terms of the Rights Offering, the information in this prospectus and other information relevant to your circumstances. Please see "Risk Factors" for a discussion of some of the risks involved in investing in our securities. No revocation All exercises of Subscription Rights are irrevocable, even if you later learn of information that you consider to be unfavorable to the exercise of your Subscription Rights. Use of proceeds Assuming the exercise of Subscription Rights to purchase all 5,000,00 Units of the Rights Offering, after deducting fees and expenses and excluding any proceeds received upon exercise of any Warrants, we estimate the net proceeds of the Rights Offering will be approximately \$18.2 million. We intend to use approximately 55% of the net proceeds from the exercise of Subscription Rights for research and development, including our clinical trials, further development of our Celution System products and other related research and development. In addition, we intend to use approximately 45% of the net proceeds for general corporate purposes, including our sales and marketing initiatives, such as those relating to our potential commercialization of ECCS-50 in Europe, general administrative expenses, working capital and capital expenditures. See "Use of Proceeds." For U.S. federal income tax purposes, we do not believe you should recognize income or loss upon receipt or exercise of a Subscription Material U.S. Right. You should consult your own tax advisor as to the tax consequences of the Rights Offering in light of your particular federal income circumstances. See "Material U.S. Federal Income Tax Consequences." tax consequences Although we do not presently intend to do so, we may extend the Rights Offering for additional time in our sole discretion. Our board of **Extension and** directors may for any reason terminate the Rights Offering at any time before the completion of the Rights Offering. termination Subscription Broadridge Corporate Issuer Solutions, Inc. and Information Agent If you have any questions about the Rights Offering, please contact the Subscription and Information Agent, Broadridge Corporate Issuer Questions

Solutions, Inc., at (855) 793-5068 (toll free).

Market for
common stockOur common stock is listed on NASDAQ under the symbol "CYTX."Common stockDealer-ManagerDealer-ManagerMaxim Group LLC.

RISK FACTORS

Investing in our securities involves a high degree of risk. Before making an investment decision with respect to our securities, we urge you to carefully consider the risks described in the "Risk Factors" section of our Annual Report on Form 10-K for the year ended December 31, 2015, which is incorporated by reference into this prospectus. These risk factors relate to our business, intellectual property, regulatory matters, and ownership of our common stock. In addition, the following risk factors present material risks and uncertainties associated with the Rights Offering. The risks and uncertainties incorporated by reference into this prospectus or described below are not the only ones we face. Additional risks and uncertainties not presently known or which we consider immaterial as of the date hereof may also have an adverse effect on our business. If any of the matters discussed in the following risk factors were to occur, our business, financial condition, results of operations, cash flows or prospects could be materially adversely affected, the market price of our securities could decline and you could lose all or part of your investment in our securities.

Risks Related to the Rights Offering

There is currently a limited market for our securities, and any trading market that exists in our securities may be highly illiquid and may not reflect the underlying value of our net assets or business prospects.

Although our common stock is traded on the NASDAQ Capital Market, there is currently a limited market for our common stock and an active market may never develop. Investors are cautioned not to rely on the possibility that an active trading market may develop. In addition, the Subscription Rights are non-transferrable.

We could be delisted from NASDAQ, which could seriously harm the liquidity of our stock and our ability to raise capital.

Following notice from the NASDAQ staff in June 2015 and December 2015, we had a hearing in January 2016 relating to our noncompliance the \$1 minimum bid price per share requirement. The Nasdaq Hearing Panel granted us until May 31, 2016 to come into compliance with the minimum bid price requirement, including requirements relating to obtaining stockholders approval of a reverse stock split that would bring our stock price above \$1.00 per share for a minimum of ten consecutive trading days. We transferred the listing of our common stock from the Nasdaq Global Market, or NGM, to the Nasdaq Capital Market, or NCM, in February 2016.

We may be unable to regain compliance with the minimum bid price requirement or maintain compliance with the other listing requirements, and we may not be eligible for listing on the NGM, NCM or any comparable trading market. In May 2016, our stockholders and board of directors approved, and we filed a certificate of amendment to our amended and restated of incorporation, as amended, to effect, a one-for-fifteen (1:15) reverse stock split, which could be unfavorably received by the market and could further depress the market for our shares. The reverse stock split may not cure, in the short-term or long-term, our listing deficiency. If we cease to be eligible to trade on either the NGM or NCM:

- · We may have to pursue trading on a less recognized or accepted market, such as the OTC Bulletin Board or the "pink sheets."
- The trading price of our common stock could suffer, including an increased spread between the "bid" and "asked" prices quoted by market makers.
- Shares of our common stock could be less liquid and marketable, thereby reducing the ability of stockholders to purchase or sell our shares as quickly and as inexpensively as they have done historically. If our stock is traded as a "penny stock," transactions in our stock would be more difficult and cumbersome.
- We may be unable to access capital on favorable terms or at all, as companies trading on alternative markets may be viewed as less attractive investments with higher associated risks, such that existing or prospective institutional investors may be less interested in, or prohibited from, investing in our common stock. This may also cause the market price of our common stock to decline.

Our share price is volatile, and you may not be able to resell our shares at a profit or at all.

The market price of our common stock could be subject to wide fluctuations in response to numerous factors, some of which are beyond our control. These factors include, among other things:

- fluctuations in our operating results or the operating results of our competitors;
- · changes in estimates of our financial results or recommendations by securities analysts;
- · variance in our financial performance from the expectations of securities analysts;
- changes in the estimates of the future size and growth rate of our markets;
- changes in accounting principles or changes in interpretations of existing principles, which could affect our financial results;
- conditions and trends in the markets we serve;
- changes in general economic, industry and market conditions;
- success of competitive products and services;
- changes in market valuations or earnings of our competitors;
- announcements of significant new products, contracts, acquisitions or strategic alliances by us or our competitors;
- the outcome of clinical trials involving the use of our products, including our sponsored trials;
- our continuing ability to list our securities on an established market or exchange;
- the timing and outcome of regulatory reviews and approvals of our products;
- the commencement or outcome of litigation involving our company, our general industry or both;
- changes in our capital structure, such as future issuances of securities or the incurrence of additional debt;
- actual or expected sales of our common stock by the holders of our common stock; and
- the trading volume of our common stock.

The market price of our common stock may decline after you elect to exercise your subscription rights. If that occurs, you may have committed to buy shares of our common stock in the Rights Offering at a price greater than the prevailing market price, and could have an immediate unrealized loss. Moreover, following the exercise of your Subscription Rights you may not be able to sell your common stock at a price equal to or greater than the Subscription Price.

Until shares are delivered upon expiration of the Rights Offering, you will not be able to sell the shares of our common stock that you purchase in the Rights Offering. We will not pay you interest on funds delivered to the Subscription Agent pursuant to the exercise of Subscription Rights.

We may be or become the target of securities litigation, which is costly and time-consuming to defend.

In the past, following periods of market volatility in the price of a company's securities or the reporting of unfavorable news, security holders have often instituted class action litigation. If the market value of our securities experience adverse fluctuations and we become involved in this type of litigation, regardless of the outcome, we could incur substantial legal costs and our management's attention could be diverted from the operation of our business, causing our business to suffer.

There may be future sales or other dilution of our equity, which may adversely affect the market price of our common stock.

We are generally not restricted from issuing additional common stock, including any securities that are convertible into or exchangeable for, or that represent the right to receive, common stock. The market price of our common stock could decline as a result of sales of common stock or securities that are convertible into or exchangeable for, or that represent the right to receive, common stock after this Rights Offering or the perception that such sales could occur. For example, we have a currently effective registration statement that permits us to sell shares of our common stock from time to time at prevailing market prices, which could result in dilution to investors in the Rights Offering.

We presently do not intend to pay cash dividends on our common stock.

We have never paid cash dividends in the past, and we currently anticipate that no cash dividends will be paid on the common stock in the foreseeable future. Furthermore, our loan agreement with Oxford Finance LLC, or the Lender, currently prohibits our issuance of cash dividends. This could make an investment in the Company inappropriate for some investors, and may serve to narrow our potential sources of additional capital. While our dividend policy will be based on the operating results and capital needs of the business, it is anticipated that all earnings, if any, will be retained to finance the future expansion of our business.

Our stockholders may experience substantial dilution in the value of their investment if we issue additional shares of our capital stock.

Our charter allows us to issue up to 75,000,000 shares of our common stock and to issue and designate the rights of, without stockholder approval, up to 5,000,000 shares of preferred stock. To raise additional capital, we may in the future offer additional shares of our common stock or other securities convertible into or exchangeable for our common stock at prices that may not be the same as the price per share paid by other investors, and dilution to our stockholders could result. We may sell shares or other securities in any other offering at a price per share that is less than the price per share paid by investors, and investors purchasing shares or other securities in the future could have rights superior to existing stockholders. The price per share at which we sell additional shares of our common stock, or securities convertible or exchangeable into common stock, in future transactions may be higher or lower than the price per share paid by other investors.

We may issue debt and equity securities or securities convertible into equity securities, any of which may be senior to our common stock as to distributions and in liquidation, which could negatively affect the value of our common stock.

In the future, we may attempt to increase our capital resources by entering into debt or debt-like financing that is unsecured or secured by up to all of our assets, or by issuing additional debt or equity securities, which could include issuances of secured or unsecured commercial paper, medium-term notes, senior notes, subordinated notes, guarantees, preferred stock, hybrid securities, or securities convertible into or exchangeable for equity securities. In the event of our liquidation, our lenders and holders of our debt and preferred securities would receive distributions of our available assets before distributions to the holders of our common stock. Because our decision to incur debt and issue securities in future offerings may be influenced by market conditions and other factors beyond our control, we cannot predict or estimate the amount, timing or nature of our future offerings or debt financings. Further, market conditions could require us to accept less favorable terms for the issuance of our securities in the future.

Our management will have broad discretion over the use of the net proceeds from this offering, you may not agree with how we use the proceeds and the proceeds may not be invested successfully.

Our management will have broad discretion as to the use of the net proceeds from this offering and could use them for purposes other than those contemplated at the time of commencement of this offering. Accordingly, you will be relying on the judgment of our management with regard to the use of these net proceeds, and you will not have the opportunity, as part of your investment decision, to assess whether the proceeds are being used appropriately. It is possible that, pending their use, we may invest the net proceeds in a way that does not yield a favorable, or any, return for us. The failure of our management to use such funds effectively could have a material adverse effect on our business, financial condition, operating results and cash flows.

Your interest in our company may be diluted as a result of this Rights Offering.

Stockholders who do not fully exercise their Subscription Rights should expect that they will, at the completion of this offering, own a smaller proportional interest in our company than would otherwise be the case had they fully exercised their Subscription Rights. Further, the shares issuable upon the exercise of the Warrants to be issued pursuant to the Rights Offering will dilute the ownership interest of stockholders not participating in this offering or holders of Warrants who have not exercised them.

Further, because the price per Unit being offered may be substantially higher than the net tangible book value per share of our common stock, you may suffer substantial dilution in the net tangible book value of the common stock you purchase in this offering. If you purchase Units in this offering at the Subscription Price, you may suffer immediate and substantial dilution in the net tangible book value of the common stock. See "Dilution" in this prospectus for a more detailed discussion of the dilution which may incur in connection with this offering.

Completion of the Rights Offering is not subject to us raising a minimum offering amount.

Completion of the Rights Offering is not subject to us raising a minimum offering amount and, therefore, proceeds may be insufficient to meet our objectives, thereby increasing the risk to investors in this offering, including investing in a company that continues to require capital. See "Use of Proceeds."

This Rights Offering may cause the trading price of our common stock to decrease.

The Subscription Price, together with the number of shares of common stock we propose to issue and ultimately will issue if this Rights Offering is completed, may result in an immediate decrease in the market price of our common stock. This decrease may continue after the completion of this Rights Offering. If that occurs, you may have committed to buy shares of common stock in the Rights Offering at a price greater than the prevailing market price. We cannot predict the effect, if any, that the availability of shares for future sale represented by the Warrants issued in connection with the Rights Offering will have on the market price of our common stock from time to time. Further, if a substantial number of Subscription Rights are exercised and the holders of the

shares received upon exercise of those Subscription Rights or the related Warrants choose to sell some or all of the shares underlying the Subscription Rights or the related Warrants, the resulting sales could depress the market price of our common stock. Following the exercise of your Subscription Rights you may not be able to sell your common stock at a price equal to or greater than the Subscription Price.

You could be committed to buying shares of common stock above the prevailing market price.

Once you exercise your Subscription Rights, you may not revoke such exercise even if you later learn information that you consider to be unfavorable to the exercise of your Subscription Rights. The market price of our shares of common stock may decline prior to the expiration of this offering or a Subscribing Rights holder may not be able to sell shares of common stock purchased in this offering at a price equal to or greater than the Subscription Price. Until shares of our common stock are delivered upon expiration of the Rights Offering, you will not be able to sell or transfer the shares of our common stock that you purchase in the Rights Offering. Any such delivery will occur as soon as practicable after closing, which will occur as soon as practicable after the Rights Offering has expired, but which may occur up to five business days thereafter. At closing, all prorating calculations and reductions contemplated by the terms of the Rights Offering will have been effected and payment to us for the subscribed-for Units will have cleared

If we terminate this offering for any reason, we will have no obligation other than to return subscription monies within 10 business days.

We may decide, in our sole discretion and for any reason, to cancel or terminate the Rights Offering at any time prior to the expiration date. If this offering is cancelled or terminated, we will have no obligation with respect to Subscription Rights that have been exercised except to return within 10 business days, without interest or deduction, all subscription payments deposited with the Subscription Agent. If we terminate this offering and you have not exercised any Subscription Rights, such Subscription Rights will expire and be worthless.

The Subscription Price determined for this offering is not an indication of the fair value of our common stock.

In determining the Subscription Price, our board of directors considered a number of factors, including, but not limited to, our need to raise capital in the near term to continue our operations, the current and historical trading prices of our common stock, a price that would increase the likelihood of participation in the Rights Offering, the cost of capital from other sources, the value of the Warrant being issued as a component of the Unit, comparable precedent transactions, an analysis of stock price trading multiples for companies similar to us that, among other things, did not need to raise capital in the near-term, and our most recently forecasted revenue relative to our peer group. The Subscription Price does not necessarily bear any relationship to any established criteria for value. No valuation consultant or investment banker has opined upon the fairness or adequacy of the Subscription Price. You should not consider the Subscription Price as an indication of the value of our company or our common stock. After the date of this prospectus, our common stock may trade at prices above or below the Subscription Price.

If you do not act on a timely basis and follow subscription instructions, your exercise of Subscription Rights may be rejected.

Holders of Subscription Rights who desire to purchase shares of our common stock and attached Warrants in this offering must act on a timely basis to ensure that all required forms and payments are actually received by the Subscription Agent prior to 5:00 p.m., New York City time, on the expiration date, unless extended. If you are a beneficial owner of shares of common stock and you wish to exercise your Subscription Rights, you must act promptly to ensure that your broker, dealer, bank, trustee or other nominee acts for you and that all required forms and payments are actually received by your broker, dealer, bank, trustee or other nominee acts for you and that all required forms and payments are actually received by your broker, dealer, bank, trustee or other nominee in sufficient time to deliver such forms and payments to the Subscription Agent to exercise the Subscription Rights granted in this offering that you beneficially own prior to 5:00 p.m., New York City time on the expiration date, as may be extended. We will not be responsible if your broker, dealer, bank, trustee or other nominee fails to ensure that all required forms and payments are actually received by the Subscription Agent prior to 5:00 p.m., New York City time, on the expiration date.

If you fail to complete and sign the required subscription forms, send an incorrect payment amount, or otherwise fail to follow the subscription procedures that apply to your exercise in this Rights Offering, the Subscription Agent may, depending on the circumstances, reject your subscription or accept it only to the extent of the payment received. Neither we nor the Subscription Agent undertakes to contact you concerning an incomplete or incorrect subscription form or payment, nor are we under any obligation to correct such forms or payment. We have the sole discretion to determine whether a subscription exercise properly follows the subscription procedures.

You may not receive all of the Units for which you subscribe.

While we are distributing to holders of our common stock one Subscription Rights for every share of common stock owned on the Record Date, we are only seeking to raise \$20.0 million dollars in gross proceeds in this Rights Offering. As a result, based on 13,310,740 shares of common stock outstanding as of March 31, 2016, we would grant Subscription Rights to acquire 13,310,740 Units but will only accept subscriptions for 5,000,000 Units. Accordingly, sufficient Units may not be available to honor your subscription in full. If excess Units are available after the exercise of Basic Subscription Rights will be entitled to subscribe for an additional number of Units. Over-Subscription Privileges will be allocated pro rata among Rights holders who over-subscribed, based on the number of over-subscription Units to which they have subscribed. We cannot guarantee that you will receive any or the entire amount of Units for which you subscribed. In addition, pursuant to the terms of our October 2014 securities purchase agreement, upon our issuance of common stock for cash consideration, the purchasers thereunder have the right, until June 2016, to participate in up to 50% of any issuance by us of common stock on the same terms, conditions and price of such issuance. It is possible that such purchasers may exercise their participation rights and reduce the number of Units that may be issued to holders who exercise their Subscription Rights. If for any reason the amount of Units allocated to you is less than you have subscribed for, then the excess funds held by the Subscription Agent on your behalf will be returned to you, without interest, as soon as practicable after the Rights Offering has expired and all prorating calculations and reductions contemplated by the terms of the Rights Offering have been effected, and we will have no further obligations to you.

Unless we otherwise agree in writing, a person or entity, together with related persons or entities, may not exercise Subscription Rights (including Over-Subscription Privileges) to purchase Units that, when aggregated with their existing ownership, would result in such person or entity, together with any related persons or entities, owning in excess of 19.9% of our issued and outstanding shares of common stock following the closing of the transactions contemplated by this Rights Offering. If the amount of shares allocated to you is less than your subscription request, then the excess funds held by the Subscription Agent on your behalf will be returned to you, without interest, as soon as practicable after the Rights Offering has expired and all prorating calculations and reductions contemplated by the terms of the Rights Offering have been effected, and we will have no further obligations to you.

If you make payment of the Subscription Price by personal check, your check may not clear in sufficient time to enable you to purchase shares in this Rights Offering.

Any personal check used to pay for shares and Warrants to be issued in this Rights Offering must clear prior to the expiration date of this Rights Offering, and the clearing process may require five or more business days. If you choose to exercise your Subscription Rights, in whole or in part, and to pay for shares and Warrants by personal check and your check has not cleared prior to the expiration date of this Rights Offering, you will not have satisfied the conditions to exercise your Subscription Rights and will not receive the shares and Warrants you wish to purchase.

The receipt of Subscription Rights may be treated as a taxable distribution to you.

We believe the distribution of the Subscription Rights in this Rights Offering should be a non-taxable distribution to holders of shares of common stock under Section 305(a) of the Internal Revenue Code of 1986, as amended, or the Code. Please see the discussion on the "Material U.S. Federal Income Tax Consequences" below. This position is not binding on the IRS, or the courts, however. If this Rights Offering is deemed to be part of a "disproportionate distribution" under Section 305 of the Code, your receipt of Subscription Rights in this offering may be treated as the receipt of a taxable distribution to you equal to the fair market value of the Subscription Rights. Any such distribution would be treated as dividend income to the extent of our current and accumulated earnings and profits, if any, with any excess being treated as a return of capital to the extent thereof and then as capital gain. Each holder of shares of common stock and each holder of a warrant providing for participation is urged to consult his, her or its own tax advisor with respect to the particular tax consequences of this Rights Offering.

Exercising the Subscription Rights limits your ability to engage in certain hedging transactions that could provide you with financial benefits.

By exercising the Subscription rights, you are representing to us that you have not entered into any short sale or similar transaction with respect to our Common Stock since the record date for the Rights Offering. In addition, the Subscription Rights provide that, upon exercise of the Subscription Right, you agree not to enter into any short sale or similar transaction with respect to our Common Stock for so long as you continue to hold Warrants issued in connection with the exercise of the Subscription Right. These requirements prevent you from pursuing certain investment strategies that could provide you greater financial benefits than you might have realized if the Subscription Rights did not contain these requirements.

The Subscription Rights are not transferable, and there is no market for the Subscription Rights.

You may not sell, transfer, assign or give away your Subscription Rights. Because the Subscription Rights are non-transferable, there is no market or other means for you to directly realize any value associated with the Subscription Rights. You must exercise the Subscription Rights to realize any potential value from your Subscription Rights.

Absence of a public trading market for the Warrants may limit your ability to resell the Warrants.

There is no established trading market for the Warrants to be issued pursuant to this offering, and the Warrants may not be widely distributed. We have applied to list the Warrants for trading on NASDAQ under the symbol "CYTXW," but there can be no assurance that a sufficient number of Subscription Rights will be exercised so that the Warrants will meet minimum listing criteria to be accepted for listing on NASDAQ or that a market will develop for the Warrants. Even if a market for the Warrants does develop, the price of the Warrants may fluctuate and liquidity may be limited. If the Warrants are not accepted for listing on NASDAQ or if a market for the Warrants does not develop, then purchasers of the Warrants may be unable to resell the Warrants or sell them only at an unfavorable price for an extended period of time, if at all. Future trading prices of the Warrants will depend on many factors, including:

- our operating performance and financial condition;
- our ability to continue the effectiveness of the registration statement, of which this prospectus is a part, covering the Warrants and the common stock issuable upon exercise of the Warrants;
- the interest of securities dealers in making a market; and
- the market for similar securities.

The market price of our common stock may never exceed the exercise price of the Warrants issued in connection with this offering.

The Warrants being issued in connection with this offering become exercisable upon issuance and will expire 30 months from the date of issuance. The market price of our common stock may never exceed the exercise price of the Warrants prior to their date of expiration. Any Warrants not exercised by their date of expiration will expire worthless and we will be under no further obligation to the Warrant holder.

The Warrants contain features that may make reduce your economic benefit from owning them.

The Warrants contain features that allow us to redeem the Warrants and that prohibit you from engaging in certain investment strategies. We may redeem the Warrants for \$0.01 per Warrant once the closing price of our common stock has equaled or exceeded \$12.00 per share, subject to adjustment, for ten consecutive trading days, provided that we may not do so prior to the first anniversary of closing of the Rights Offering , and only upon not less than 30 days' prior written notice of redemption. If we give notice of redemption, you will be forced to sell or exercise your Warrants or accept the redemption price. The notice of redemption could come at a time when it is not advisable or possible for you to exercise the Warrants. As a result, you may be unable to benefit from owning the Warrants being redeemed. In addition, for so long as you continue to hold Warrants, you will not be permitted to enter into any short sale or similar transaction with respect to our Common Stock. This could prevent you from pursuing investment strategies that could provide you greater financial benefits from owning the Warrant.

The dealer-manager is not underwriting, nor acting as placement agent of, the Subscription Rights or the securities underlying the Subscription Rights.

Maxim Group LLC will act as dealer-manager for this Rights Offering. As provided in the dealer-manager agreement, the dealer-manager will provide marketing assistance in connection with this offering. The dealer-manager is not underwriting or placing any of the Subscription Rights or the shares of our common stock or Warrants being issued in this offering and is not making any recommendation with respect to such Subscription Rights (including with respect to the exercise or expiration of such Subscription Rights), shares or Warrants. The dealer-manager will not be subject to any liability to us in rendering the services contemplated by the dealer-manager agreement except for any act of bad faith or gross negligence by the dealer-manager. The Rights Offering may not be successful despite the services of the dealer-manager to us in this offering.

Since the Warrants are executory contracts, they may have no value in a bankruptcy or reorganization proceeding.

In the event a bankruptcy or reorganization proceeding is commenced by or against us, a bankruptcy court may hold that any unexercised Warrants are executory contracts that are subject to rejection by us with the approval of the bankruptcy court. As a result, holders of the Warrants may, even if we have sufficient funds, not be entitled to receive any consideration for their Warrants or may receive an amount less than they would be entitled to if they had exercised their Warrants prior to the commencement of any such bankruptcy or reorganization proceeding.

The report of our independent registered public accounting firm contains an emphasis paragraph regarding the substantial doubt about our ability to continue as a "going concern."

The audit report of our independent registered public accounting firm covering the December 31, 2015 consolidated financial statements contains an explanatory paragraph that states that our recurring losses from operations, liquidity position, and debt service requirements raises substantial doubt about our ability to continue as a going concern. To date, our operating losses have been funded primarily from outside sources of invested capital and gross profits. We have had, and we will likely continue to have, an ongoing need to raise additional cash from outside sources to fund our future operations. However, our ability to raise capital was adversely affected once FDA put a hold on our Athena trials in mid-2014, which had an adverse impact to stock price performance and our corresponding ability to restructure our debt. More recently, a continued downward trend in our stock price resulting from general economic and industry conditions as well as the market's unfavorable view of our recent equity financings (which financings were priced at a discount to market and

included 100% warrant coverage) and our Nasdaq listing deficiency, have made it more difficult to procure additional capital on terms reasonably acceptable to us. We plan to continue to provide for our capital requirements by issuing additional equity and/or debt. No assurance can be given that additional capital will be available when required or on terms acceptable to us. If we are unsuccessful in our efforts to raise outside capital in the near term, we will be required to significantly reduce our research, development and administrative operations, including reduction of our employee base, in order to offset the lack of available funding. We also cannot give assurance that we will achieve sufficient revenues in the future to achieve profitability and cash flow positive operations.

We will need to raise more cash in the future.

We have almost always had negative cash flows from operations. Our business will continue to result in a substantial requirement for research and development expenses for several years, during which we may not be able to bring in sufficient cash and/or revenues to offset these expenses. We have had, and we will continue to have, an ongoing need to raise additional cash from outside sources to continue funding our operations to profitability. We do not currently believe that our cash balance and the revenues from our operations will be sufficient to fund the development and marketing efforts required to reach profitability without raising additional capital from accessible sources of financing in the very near future.

To date, these operating losses have been funded primarily from outside sources of invested capital and gross profits. We have had, and we will likely continue to have, an ongoing need to raise additional cash from outside sources to fund our future operations. However, our ability to raise capital on terms attractive to us was adversely affected once FDA put a hold on our Athena trials in mid-2014, which had an adverse impact to stock price performance and our corresponding ability to restructure our debt. More recently, a continued downward trend in our stock price resulting from general economic and industry conditions as well as the market's unfavorable view of our recent equity financings (which financings were priced at a discount to market and included 100% warrant coverage) and our Nasdaq listing deficiency, have made it more difficult to procure additional capital on terms reasonably acceptable to us. If we are unsuccessful in our efforts to raise outside capital in the near term, we will be required to significantly reduce our research, development and administrative operations, including reduction of our employee base, in order to offset the lack of available funding. We expect to continue to utilize our cash and cash equivalents to fund operations at least through September of 2016, subject to minimum cash and cash liquidity requirements contained in that certain Loan and Security Agreement, dated May 29, 2015, or the Loan and Security Agreement, with Oxford Finance, LLC, or Oxford, as further described below, which requires that we maintain at least \$5 million of cash on hand to avoid an event of default under the Loan and Security Agreement.

We have been placing, and will continue to place, significant effort into raising additional capital that will provide adequate capital resources to allow us to continue to fund our future operations. Based on our cash and cash equivalents on hand of approximately \$9.4 million at March 31, 2016, and our minimum liquidity requirements under the Loan and Security Agreement with Oxford that requires us to make interest payments of \$136,000 per month (but which will require principal and interest payments commencing January 2017) and our obligation to maintain at least \$5 million of cash on hand, we estimate that we must raise additional capital and/or obtain a waiver or restructure the Loan and Security Agreement on or before July 2016 to avoid an event of default under it. If we are unable to avoid an event of default under the Loan and Security Agreement, Oxford would have the right to cause the outstanding loan amount of approximately \$17.7 million to become immediately due and payable. Our financing plans include pursuing additional cash through use of our at-the-market offering program, strategic corporate partnerships, licensing and sales of equity. While we have an established history of accessing capital through these platforms, and we are currently involved in negotiations with multiple parties, there is no guarantee that adequate funds will be available when needed from additional debt or equity financing, development and commercialization partnerships or from other sources, or on terms acceptable to us. There is also no guarantee that that we will be able to service our existing debt to Oxford. If our efforts to obtain sufficient additional funds are not successful, in addition to Oxford's ability to cause the loan amount to be immediately due and payable, we would at a minimum be required to delay, scale back, or eliminate some or all of our research or product development, manufacturing operations, administrative operations, including our employee base, and clinical or regulatory activities, which could negatively affect our ability to achieve certain corporate goals. In addition, the indebtedness under our Loan and Security Agreement with Oxford is secured by a security interest in substantially all of our existing and after-acquired assets, excluding our intellectual property assets which are subject to a negative pledge, and therefore, if we are unable to repay such indebtedness, the lender could foreclose on these assets, which would, at a minimum, have a severe material adverse effect on our ability to operate our business.

In addition to the funding sources previously mentioned, we continue to seek additional capital through product revenues, and State and Federal development programs, including additional funding opportunities though our current BARDA contract.

Our level of indebtedness, and covenant restrictions under such indebtedness, could adversely affect our operations and liquidity.

Under our Loan and Security Agreement with Oxford, as collateral agent and lender, Oxford agreed to make a term loan to us in an aggregate principal amount of \$17,700,000, or the Term Loan, subject to the terms and conditions set forth in the Loan and Security Agreement, or the Loan Facility. In connection with securing the Loan Facility, we prepaid all outstanding amounts under our Loan and Security Agreement, dated June 28, 2013, with Oxford and Silicon Valley Bank.

The Term Loan accrues interest at a floating rate equal to the three-month LIBOR rate (with a floor of 1.00%) plus 7.95% per annum. In February 2016, Oxford acknowledged that we had received positive data on our ACT-OA clinical trial, which acknowledgement automatically deferred commencement of the Amortization Commencement Date under the Loan and Security Agreement from July 1, 2016 to January 1, 2017, thus extending our interest-only payment period for six months. The Company is required to make payments of principal and accrued interest in equal monthly installments sufficient to amortize the Term Loan through June 1, 2019, the maturity date. All unpaid principal and accrued and unpaid interest with respect to the Term Loan is due and payable in full on June 1, 2019.

As security for its obligations under the Loan and Security Agreement, the Company granted a security interest in substantially all of its existing and after-acquired assets, subject to certain exceptions set forth in the Loan and Security Agreement and excluding its intellectual property assets, which are subject to a negative pledge by the Company. If we are unable to discharge these obligations, Oxford could foreclose on these assets, which would, at a minimum, have a severe material effect on our ability to operate our business.

Our indebtedness to Oxford could adversely affect our operations and liquidity, by, among other things:

- causing us to use a larger portion of our cash flow to fund interest payments and, beginning on January 1, 2017, principal payments, reducing the availability of cash to fund working capital and capital expenditures and other business activities;
- making it more difficult for us to take advantage of significant business opportunities, such as acquisition opportunities, and to react to changes in market or industry conditions; and
- limiting our ability to borrow additional monies in the future to fund working capital and capital expenditures and for other general corporate purposes.

The Loan and Security Agreement requires us to maintain at least three months of cash on hand and includes certain reporting and other covenants, that, among other things, restrict our ability to: (i) dispose of assets, (ii) change the business we conduct, (iii) make acquisitions, (iv) engage in mergers or consolidations, (v) incur additional indebtedness, (vi) create liens on assets, (vii) maintain any collateral account, (viii) pay dividends, (ix) make investments, loans or advances, (x) engage in certain transactions with affiliates, and (xi) prepay certain other indebtedness or amend other financing arrangements. If we fail to comply with any of these covenants or restrictions, such failure may result in an event of default, which if not cured or waived, could result in the

lender accelerating the maturity of our indebtedness. If the maturity of our indebtedness is accelerated, we may not have sufficient cash resources to satisfy our debt obligations and such acceleration would adversely affect our business and financial condition.

If we are unable to retain key personnel, we may not be able to sustain or grow our business.

Our ability to operate successfully and manage our potential future growth depends significantly upon our ability to attract, retain, and motivate highly skilled and qualified research, technical, clinical, regulatory, sales, marketing, managerial and financial personnel. We compete for talent with numerous companies, as well as universities and non-profit research organizations. Our future success also depends on the personal efforts and abilities of the principal members of our senior management and scientific staff to provide strategic direction, manage our operations, and maintain a cohesive and stable environment. We have not entered into any employment agreements with our executive officers or key personnel, nor do we maintain key man life insurance on the lives of any of the members of our senior management. Although we have a stock option plan pursuant to which we provide our executive officers with various economic incentives to remain employed with us, these incentives may not be sufficient to retain them. The loss of key personnel for any reason or our inability to hire, retain, and motivate additional qualified personnel in the future could prevent us from sustaining or growing our business.

FORWARD-LOOKING STATEMENTS

This prospectus and the documents incorporated herein by reference contain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These statements are based on our management's current beliefs, expectations and assumptions about future events, conditions and results and on information currently available to us. Discussions containing these forward-looking statements may be found, among other places, in the Sections entitled "Business," "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations" incorporated by reference from our most recent Annual Report on Form 10-K and in our Quarterly Reports on Form 10-Q, as well as any amendments thereto, filed with the SEC.

All statements, other than statements of historical fact, included or incorporated herein regarding our strategy, future operations, financial position, future revenues, projected costs, plans, prospects and objectives are forward-looking statements. Words such as "expect," "anticipate," "intend," "plan," "believe," "seek," "estimate," "think," "may," "could," "will," "would," "should," "continue," "potential," "likely," "opportunity" and similar expressions or variations of such words are intended to identify forward-looking statements, but are not the exclusive means of identifying forward-looking statements. Additionally, forward-looking statements include statements concerning future matters such as our anticipated expenditures, including those related to clinical research studies and general and administrative expenses, the potential size of the market for our products, future development and/or expansion of our products and therapies in our markets, our ability to generate product revenues or effectively manage our gross profit margins, our ability to obtain regulatory clearance, expectations as to our future performance, liquidity and capital resources, including our potential need for additional financing and the availability thereof, and the potential enhancement of our cash position through development, marketing, and licensing arrangements. Such statements are based on currently available operating, financial and competitive information and are subject to various risks, uncertainties and assumptions that could cause actual results to differ materially from those anticipated or implied in our forward-looking statements due to a number of factors including, but not limited to, our performance, potential litigation, competition within the regenerative medicine field, and other factors set forth above under the section entitled "Risk Factors" in this prospectus and any accompanying prospectus supplement. Given these risks, uncertainties and other factors, many of which are beyond our control, you should

Except as required by law, we assume no obligation to update these forward-looking statements publicly, or to revise any forward-looking statements to reflect events or developments occurring after the date of this prospectus, even if new information becomes available in the future.

USE OF PROCEEDS

Assuming that all 5,000,000 Units are subscribed for in the Rights Offering, we estimate that the net proceeds from the Rights Offering will be approximately \$18.2 million, after deducting expenses relating to this offering payable by us estimated at approximately \$1.8 million, including dealermanager fees and expenses and excluding any proceeds received upon exercise of any Warrants.

We intend to use approximately \$10.0 million of the net proceeds from the exercise of Subscription Rights for research and development, including our clinical trials, further development of our Celution System products and other related research and development. In addition, we intend to use approximately \$8.2 million of the net proceeds for general corporate purposes, including our sales and marketing initiatives, such as those relating to our potential commercialization of our ECCS-50 schleroderma therapy in Europe, general administrative expenses, working capital and capital expenditures. We expect to use any proceeds we receive from the exercise of Warrants for substantially the same purposes and in substantially the same manner. Pending these uses, we intend to invest the net proceeds in investment-grade, short-term, interest-bearing securities. It is possible that, pending their use, we may invest the net proceeds in a way that does not yield a favorable, or any, return for us.

If we are only able to sell 25%, 50% or 75% of the maximum amount of Units offered hereby, we estimate that the net proceeds from the Rights Offering will be approximately \$4.3 million, \$8.9 million or \$13.6 million, respectively, after deducting expenses relating to this offering payable by us, including dealer-manager fees and expenses and excluding any proceeds received upon exercise of any Warrants. Assuming such sales, we would expect to use (i) approximately \$2.4 million, \$4.9 million or \$7.4 million, respectively, of the net proceeds for research and development, including our clinical trials, further development of our Celution System products and other related research and development, and (ii) approximately \$1.9 million, \$4.0 million or \$6.1 million, respectively, of the net proceeds for general corporate purposes, including our sales and marketing initiatives, such as those relating to our potential commercialization of our ECCS-50 schleroderma therapy in Europe, general administrative expenses, working capital and capital expenditures.

Our management will have broad discretion as to the allocation of the net proceeds from this offering and could use them for purposes other than those contemplated at the time of commencement of this offering.

DILUTION

Purchasers of our common stock contained in the Units sold in the Rights Offering (and upon exercise of the Warrants contained in the Units) will experience an immediate dilution of the net tangible book value per share of our common stock. Our net tangible book value as of March 31, 2016 was approximately \$(5.1) million, or \$(0.38) per share of our common stock (based upon 13,310,740 shares of our common stock outstanding). Net tangible book value per share is equal to our total tangible assets less our total liabilities, divided by the number of shares of our outstanding common stock.

Dilution per share of common stock equals the difference between the subscription price per Unit paid by purchasers in the Rights Offering (ascribing no value to the Warrants contained in the Units) and the net tangible book value per share of our common stock immediately after the Rights Offering.

Based on the sale by us in this Rights Offering of a maximum of 5,000,000 Units (consisting of 5,000,000 shares of our common stock and Warrants to purchase an aggregate of 2,500,000 shares of common stock upon exercise), at the Subscription Price of \$4.00 per Unit, and after deducting estimated offering expenses and dealer-manager fees and expenses payable by us and assuming no exercise of the Warrants, our pro forma net tangible book value as of March 31, 2016 would have been approximately \$13,100,000, or \$0.72 per share. This represents an immediate increase in pro forma net tangible book value to existing stockholders of \$1.10 per share and an immediate dilution to purchasers in the Rights Offering of \$3.28 per share. The following table illustrates this per-share dilution:

Subscription Price	\$	4.00
Net tangible book value per share as of March 31, 2016	\$ (0.38)	
Increase in net tangible book value per share attributable to Rights Offering	\$ 1.10	
Pro forma net tangible book value per share as of March 31, 2016, after giving effect to Rights Offering	\$	0.72
Dilution in net tangible book value per share to purchasers in the Rights Offering	\$	3.28

The information above is as of March 31, 2016 and excludes:

- 829,074 shares of common stock issuable upon the exercise of stock options outstanding as of March 31, 2016 with a weighted average exercise price of \$29.10 per share;
- 17,960 shares of common stock issuable upon the vesting of outstanding restricted stock awards;
- 99,412 shares of common stock available for future grants under our 2014 Equity Incentive Plan as of March 31, 2016; and
- 66,667 shares of common stock available for future grants under our 2015 New Employee Incentive Plan as of March 31, 2016; and
- 218,380 shares of our common stock issuable upon the exercise of outstanding warrants as of March 31, 2016 with a weighted-average exercise price of \$22.20 per share.

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MARKET PRICE OF OUR COMMON STOCK AND RELATED STOCKHOLDER MATTERS

From August 2000 (our initial public offering in Germany) until September 2007 our common stock was quoted on the Frankfurt Stock Exchange under the symbol "XMPA" (formerly XMP). In September 2007 our stock closed trading on the Frankfurt Stock Exchange. In December 2005, our common stock commenced trading on NASDAQ under the symbol "CYTX." From December 2005 until February 2006 our common stock traded on the NCM, from February 2006 until February 2016 it traded on the NGM, and since February 2016 it has traded on the NCM. Our common stock has, from time to time, traded on a limited, sporadic and volatile basis. The following tables show the high and low sales prices for our common stock for the periods indicated, as reported by NASDAQ. These prices do not include retail markups, markdowns or commissions.

		ice 1ges
	High	Low
Fiscal Year Ended December 31, 2016		
First Quarter	3.30	1.95
Second Quarter (through May 9, 2016)	5.25	3.30
Fiscal Year Ended December 31, 2015		
First Quarter	20.55	6.60
Second Quarter	20.25	8.40
Third Quarter	8.25	4.50
Fourth Quarter	6.30	2.85
Fiscal Year Ended December 31, 2014		
First Quarter	49.80	37.35
Second Quarter	42.45	32.85

Third Quarter

Fourth Quarter

The closing price of our common stock on May 9, 2016 was \$3.95 per share. All of our outstanding shares have been deposited with the Depository Trust & Clearing Corporation, or DTCC, since December 2005. As of March 11, 2016, we had approximately 20 record holders of our common stock. Because many of our shares are held by brokers and other institutions on behalf of stockholders, we are unable to estimate the total number of individual stockholders represented by these record holders.

36.00

10.35

10.20

5.70

DIVIDEND POLICY

We have never paid cash dividends on our common stock in the past and we currently anticipate that no cash dividends will be paid on common stock in the foreseeable future. Furthermore, our Loan and Security Agreement with Oxford Finance LLC currently prohibits our issuance of cash dividends. We expect as of the date hereof to retain any future earnings to fund the operation and expansion of our business.

THE RIGHTS OFFERING

The Subscription Rights

We are distributing to the record holders of our common stock, at no charge, non-transferable Subscription Rights to purchase one Unit at a subscription price of \$4.00 per Unit. Each Basic Subscription Right will entitle you to purchase one share of our common stock and 0.5 of a Warrant. Each whole Warrant will be exercisable for one share of our common stock at an exercise price of \$4.80 per share from the date of issuance through the expiration 30 months from the date of issuance. Each record holder of our common stock will receive one Subscription Right for each share of our common stock owned by such record holder as of the Record Date. Each Subscription Right entitles the record holder to a Basic Subscription Right and an Over-Subscription Privilege.

Basic Subscription Rights

Your Basic Subscription Rights will entitle you to purchase one share of our common stock and 0.5 of a Warrant. For example, if you owned 100 shares of common stock as of the Record Date, you will receive 100 Subscription Rights and will have the right to purchase 100 shares of our common stock and Warrants to purchase 50 shares of our common stock for \$4.00 per Unit, or a total payment of \$400.00. You may exercise all or a portion of your Basic Subscription Rights, or you may choose not to exercise any of your Basic Subscription Rights. If you do not exercise your Basic Subscription Rights in full, you will not be entitled to exercise your Over-Subscription Privilege.

Over-Subscription Privilege

If you exercise your Basic Subscription Rights in full, you may also choose to exercise your Over-Subscription Privilege. Subject to proration and the limitations described in this prospectus, we will seek to honor the Over-Subscription Requests in full. If Over-Subscription Requests exceed the number of Units available, however, we will allocate the available Units pro rata among the stockholders as of the record date exercising the Over-Subscription Privilege in proportion to the number of shares of our common stock each of those stockholders owned on the Record Date, relative to the number of shares owned on the Record Date by all stockholders as of the record date exercising the Over-Subscription Privilege. If this pro rata allocation results in any stockholder receiving a greater number of Units than the record holder subscribed for pursuant to the exercise of the Over-Subscription Privilege, then such record holder will be allocated only that number of Units for which the record holder oversubscribed, and the remaining Units will be allocated among all other stockholders exercising the Over-Subscription Privilege on the same pro rata basis described above. The proration process will be repeated until all Units have been allocated.

Broadridge Corporate Issuer Solutions, Inc., the Subscription Agent for the Rights Offering, will determine the over-subscription allocation based on the formula described above.

To the extent the aggregate subscription payment of the actual number of unsubscribed Units available to you pursuant to the Over-Subscription Privilege is less than the amount you actually paid in connection with the exercise of the Over-Subscription Privilege, you will be allocated only the number of unsubscribed Units available to you, and any excess subscription payments will be returned to you, without interest or deduction, with 10 business days after expiration of the Rights Offering.

We can provide no assurances that you will actually be entitled to purchase the number of Units issuable upon the exercise of your Over-Subscription Privilege in full at the expiration of the Rights Offering. We will not be able to satisfy any requests for Units pursuant to the Over-Subscription Privilege if all of our stockholders exercise their Basic Subscription Rights in full, and we will only honor an Over-Subscription Privilege to the extent sufficient Units are available following the exercise of Basic Subscription Rights.

Limitation on the Purchase of Units

You may only purchase the number of Units purchasable upon exercise of the number of Basic Subscription Rights distributed to you in the Rights Offering, plus the Over-Subscription Privilege, if any. Accordingly, the number of Units that you may purchase in the Rights Offering is limited by the number of shares of our common stock you held on the Record Date and by the extent to which other stockholders exercise their Basic Subscription Rights and Over-Subscription Privileges, which we cannot determine prior to completion of the Rights Offering. However, due to stock exchange restrictions, we will not issue Units in the Rights Offering to the extent that a holder would beneficially own, together with any other person with whom such holder's securities may be aggregated under applicable law, more than 19.9% of our outstanding shares of common stock.

Subscription Price

The Subscription Price is \$4.00 per Unit. The Subscription Price does not necessarily bear any relationship to our past or expected future results of operations, cash flows, current financial condition, or any other established criteria for value. No change will be made to the Subscription Price by reason of changes in the trading price of our common stock or other factor prior to the expiration of this Rights Offering.

Determination of Subscription Price

In the determining the Subscription Price, the board of directors considered a variety of factors including those listed below:

- our need to raise capital in the near term to continue our operations;
- the current and historical trading prices of our common stock;
- a price that would increase the likelihood of participation in the Rights Offering;
- the cost of capital from other sources;
- the value of the Warrant being issued as a component of the Unit;
- comparable precedent transactions, including the percentage of shares offered, the terms of the subscription rights being offered, the subscription price and the discount that the subscription price represents to the immediately prevailing closing prices for these offerings;
- an analysis of stock price trading multiples for companies similar to us that, among other things, did not need to raise capital in the near-term; and

our most recently forecasted revenue relative to our peer group.

The Subscription Price does not necessarily bear any relationship to any established criteria for value. No valuation consultant or investment banker has opined upon the fairness or adequacy of the Subscription Price. You should not consider the Subscription Price as an indication of actual value of our company or our common stock. You should not assume or expect that, after the Rights Offering, our shares of common stock will trade at or above the Subscription Price in any given time period. The market price of our common stock may decline during or after the Rights Offering. We cannot assure you that you will be able to sell the shares of our common stock purchased during the Rights Offering at a price equal to or greater than the Subscription Price. You should obtain a current price quote for our common stock before exercising your Subscription Rights and make your own assessment of our business and financial condition, our prospects for the future, and the terms of this Rights Offering. Once made, all exercises of Subscription Rights are irrevocable.

No Short-Sales

By exercising the Subscription rights, you are representing to us that you have not entered into any short sale or similar transaction with respect to our Common Stock since the record date for the Rights Offering. In addition, the Subscription Rights provide that, upon exercise of the Subscription Right, you represent that you have not since the Record Date and, for so long as you continue to hold Warrants issued in connection with the exercise of the Subscription Right, agree to not to enter into any short sale or similar transaction with respect to our Common Stock. These requirements prevent you from pursuing certain investment strategies that could provide you greater financial benefits than you might have realized if the Subscription Rights did not contain these requirements.

No Recombination

The common stock and Warrants comprising the Units will separate upon the exercise of the Subscription Rights, and the Units will not trade as a separate security. Holders may not recombine shares of common stock and Warrants to receive a Unit.

Non-Transferability of Subscription Rights

The Subscription Rights are non-transferable (other than by operation of law) and, therefore, you may not sell, transfer, assign or give away your Subscription Rights to anyone. The Subscription Rights will not be listed for trading on any stock exchange or market.

Expiration Date; Extension

The subscription period, during which you may exercise your Subscription Rights, expires at 5:00 p.m., Eastern Time, on June 9, 2016, which is the expiration of the Rights Offering. If you do not exercise your Subscription Rights before that time, your Subscription Rights will expire and will no longer be exercisable. We will not be required to issue shares to you if the Subscription Agent receives your Rights Certificate or your subscription payment after that time. We have the option to extend the Rights Offering in our sole discretion, although we do not presently intend to do so. We may extend the Rights Offering by giving oral or written notice to the Subscription Agent before the Rights Offering expires. If we elect to extend the Rights Offering, we will issue a press release announcing the extension no later than 9:00 a.m., Eastern Time, on the next business day after the most recently announced expiration date of the Rights Offering.

If you hold your shares of common stock in the name of a broker, dealer, bank or other nominee, the nominee will exercise the Subscription Rights on your behalf in accordance with your instructions. Please note that the nominee may establish a deadline that may be before 5:00 p.m., Eastern Time, on June 9, 2016, which is the expiration date that we have established for the Rights Offering.

Termination

We may terminate the Rights Offering at any time and for any reason prior to the completion of the Rights Offering. If we terminate the Rights Offering, we will issue a press release notifying stockholders and the public of the termination.

Return of Funds upon Completion or Termination

The Subscription Agent will hold funds received in payment for shares in a segregated account pending completion of the Rights Offering. The Subscription Agent will hold this money until the Rights Offering is completed or is terminated. To the extent you properly exercise your Over-Subscription Privilege for an amount of Units that exceeds the number of unsubscribed Units available to you, any excess subscription payments will be returned to you within 10 business days after the expiration of the Rights Offering, without interest or deduction. If the Rights Offering is terminated for any reason, all subscription payments received by the Subscription Agent will be returned within 10 business days, without interest or deduction.

Shares of Our Common Stock Outstanding After the Rights Offering

Based on 13,310,740 shares of common stock outstanding as of March 31, 2016, assuming no other transactions by us involving our common stock prior to the expiration of the Rights Offering, and if the Rights Offering is fully subscribed, upon consummation of the Rights Offering we will have 18,310,740 shares of common stock issued and outstanding, and Warrants to purchase an additional 2,500,000 shares of our common stock (excluding warrants to acquire 218,380 shares of common outstanding as of March 31, 2016). The exact number of shares and Warrants that we will issue in this offering will depend on the number of Units that are subscribed for in the Rights Offering.

Methods for Exercising Subscription Rights

The exercise of Subscription Rights is irrevocable and may not be cancelled or modified. You may exercise your Subscription Rights as follows:

Subscription by Record Holders

If you are a stockholder of record or a holder of warrants, the number of Units you may purchase pursuant to your Subscription Rights in indicated on the enclosed Rights Certificate. You may exercise your Subscription Rights by properly completing and executing the Rights Certificate and forwarding it, together with your full payment, to the Subscription Agent at the address given below under "Subscription Agent," to be received before 5:00 p.m., Eastern Time, on June 9, 2016.

Subscription by Beneficial Owners

If you are a beneficial owner of shares of our common stock that are registered in the name of a broker, dealer, bank or other nominee, you will not receive a Rights Certificate. Instead, we will issue one Subscription Right to such nominee record holder for all shares of our common stock held by such

nominee at the Record Date. If you are not contacted by your nominee, you should promptly contact your nominee in order to subscribe for shares in the Rights Offering and follow the instructions provided by your nominee.

To properly exercise your Over-Subscription Privilege, you must deliver the subscription payment related to your Over-Subscription Privilege before the Rights Offering expires. Because we will not know the total number of unsubscribed Units before the Rights Offering expires, if you wish to maximize the number of shares you purchase pursuant to your Over-Subscription Privilege, you will need to deliver payment in an amount equal to the aggregate subscription payment for the maximum number of Units that you wish to purchase.

Payment Method

Payments must be made in full in U.S. currency by personal check, certified check or bank draft, or by wire transfer, and payable to "Broadridge Corporate Issuer Solutions, Inc., as Subscription Agent for Cytori Therapeutics, Inc." You must timely pay the full subscription payment, including payment for the Over-Subscription Privilege, for the full number of shares of our common stock you wish to acquired pursuant to the exercise of Subscription Rights by delivering a:

- certified or personal check drawn against a U.S. bank payable to "Broadridge Corporate Issuer Solutions, Inc., as Subscription Agent for Cytori Therapeutics, Inc.";
- U.S. Postal money order payable to "Broadridge Corporate Issuer Solutions, Inc., as Subscription Agent for Cytori Therapeutics, Inc."; or
- wire transfer of immediately available funds directly to the account maintained by Broadridge Corporate Issuer Solutions, Inc., as Subscription Agent, for purposes of accepting subscriptions in this Rights Offering at U.S. Bank, ABA, # 123000848, Account # 153910728465 FBO Cytori Therapeutics, Inc., with reference to the name of the Rights holder.

If you elect to exercise your Subscription Rights, you should consider using a wire transfer or certified check drawn on a U.S. bank to ensure that the Subscription Agent receives your funds before the Rights Offering expires. If you send a personal check, payment will not be deemed to have been received by the Subscription Agent until the check has cleared. The clearinghouse may require five or more business days to clear a personal check. Accordingly, holders who wish to pay the Subscription Price by means of a personal check should make payment sufficiently in advance of the expiration of the Rights Offering to ensure that the payment is received and clears by that date. If you send a certified check, payment will be deemed to have been received by the Subscription Agent immediately upon receipt of such instrument.

You should read the instruction letter accompanying the Rights Certificate carefully and strictly follow it. **DO NOT SEND RIGHTS CERTIFICATES OR PAYMENTS DIRECTLY TO US**. We will not consider your subscription received until the Subscription Agent has received delivery of a properly completed and duly executed Rights Certificate and payment of the full subscription payment.

The method of delivery of Rights Certificates and payment of the subscription payment to the Subscription Agent will be at the risk of the holders of Subscription Rights. If sent by mail, we recommend that you send those certificates and payments by registered mail, properly insured, with return receipt requested, or by overnight courier, and that you allow a sufficient number of days to ensure delivery to the Subscription Agent and clearance of payment before the Rights Offering expires.

Missing or Incomplete Subscription Forms or Payment

If you fail to complete and sign the Rights Certificate or otherwise fail to follow the subscription procedures that apply to the exercise of your Subscription Rights before the Rights Offering expires, the Subscription Agent will reject your subscription or accept it to the extent of the payment received. Neither we nor our Subscription Agent undertakes any responsibility or action to contact you concerning an incomplete or incorrect subscription form, nor are we under any obligation to correct such forms. We have the sole discretion to determine whether a subscription exercise properly complies with the subscription procedures.

If you send a payment that is insufficient to purchase the number of shares you requested, or if the number of shares you requested is not specified in the forms, the payment received will be applied to exercise your Subscription Rights to the fullest extent possible based on the amount of the payment received. Any excess subscription payments received by the Subscription Agent will be returned, without interest or deduction, within 10 business days following the expiration of the Rights Offering.

Issuance of common stock and Warrants

The shares of common stock and Warrants that are purchased in the Rights Offering as part of the Units will be issued in book-entry, or uncertificated, form meaning that you will receive a direct registration (DRS) account statement from our transfer agent reflecting ownership of these securities if you are a holder of record of shares or warrants. If you hold your shares of common stock in the name of a bank, broker, dealer, or other nominee, DTC will credit your account with your nominee with the securities you purchased in the Rights Offering.

Subscription and Information Agent

The Subscription and Information Agent for the Rights Offering is Broadridge Corporate Issuer Solutions, Inc. The address to which Rights Certificates and payments should be mailed or delivered by overnight courier is provided below. If sent by mail, we recommend that you send documents and payments by registered mail, properly insured, with return receipt requested, and that you allow a sufficient number of days to ensure delivery to the Subscription Agent and clearance or payment before the Rights Offering expires. Do not send or deliver these materials to us.

Broadridge Corporate Issuer Solutions, Inc. 1717 Arch Street, Suite 1300 Philadelphia, PA 19103 Attn: Re-Organization Department

If you deliver the Rights Certificates in a manner different than that described in this prospectus, we may not honor the exercise of your Subscription Rights.

You should direct any questions or requests for assistance concerning the method of subscribing for the shares of our common stock or for additional copies of this prospectus to the Information Agent as follows:

Broadridge Corporate Issuer Solutions, Inc.

Warrant Agent

The Warrant Agent for the Warrants is Broadridge Corporate Issuer Solutions, Inc.

No Fractional Shares

We will not issue fractional shares of common stock in the Rights Offering. Subscription Rights holders will only be entitled to purchase a number of Units representing a whole number of shares and Warrants, rounded down to the nearest whole number of shares or Warrants, as applicable, a holder would otherwise be entitled to purchase. Any excess subscription payments received by the Subscription Agent will be returned within 10 business days after expiration of the Rights Offering, without interest or deduction. Similarly, no fractional shares of common stock will be issued in connection with the exercise of a Warrant. Instead, for any such fractional share that would otherwise have been issuable upon exercise of the Warrant, the holder will be entitled to a cash payment equal to the pro-rated per share market price of the common stock on the last trading day preceding the exercise.

Notice to Brokers and Nominees

If you are a broker, dealer, bank or other nominee holder that holds shares of our common stock for the account of others on the Record Date, you should notify the beneficial owners of the shares for whom you are the nominee of the Rights Offering as soon as possible to learn their intentions with respect to exercising their Subscription Rights. If a beneficial owner of our common stock so instructs, you should complete the Rights Certificate and submit it to the Subscription Agent with the proper subscription payment by the expiration date. You may exercise the number of Subscription Rights to which all beneficial owners in the aggregate otherwise would have been entitled had they been direct holders of our common stock on the Record Date, provided that you, as a nominee record holder, make a proper showing to the Subscription Agent by submitting the form entitled "Nominee Holder Certification," which is provided with your Rights Offering materials. If you did not receive this form, you should contact our Subscription Agent to request a copy.

Validity of Subscriptions

We will resolve all questions regarding the validity and form of the exercise of your Subscription Rights, including time of receipt and eligibility to participate in the Rights Offering. Our determination will be final and binding. Once made, subscriptions are irrevocable; we will not accept any alternative, conditional, or contingent subscriptions. We reserve the absolute right to reject any subscriptions not properly submitted or the acceptance of which would be unlawful. You must resolve any irregularities in connection with your subscriptions before the expiration date of the Rights Offering, unless we waive them in our sole discretion. Neither we nor the Subscription Agent is under any duty to notify you or your representative of defects in your subscriptions. A subscription will be considered accepted, subject to our right to withdraw or terminate the Rights Offering, only when the Subscription Agent receives a properly completed and duly executed Rights Certificate and any other required documents and the full subscription payment including final clearance of any personal check. Our interpretations of the terms and conditions of the Rights Offering will be final and binding.

Stockholder Rights

You will have no rights as a holder of the shares of our common stock you purchase in the Rights Offering until shares are issued in book-entry form or your account at your broker, dealer, bank or other nominee is credited with the shares of our common stock purchased in the Rights Offering. Holders of Warrants issued in connection with the Rights Offering will not have rights as holders of our common stock until such Warrants are exercised and the shares of common stock underlying the Warrants are issued to the holder.

Foreign Shareholders

We will not mail this prospectus or Rights Certificates to stockholders with addresses that are outside the United States or that have an army post office or foreign post office address. The Subscription Agent will hold these Rights Certificates for their account. To exercise Subscription Rights, our foreign stockholders must notify the Subscription Agent prior to 5:00 p.m., Eastern Time, on June 6, 2016, the third business day prior to the expiration date, of your exercise of Subscription Rights and provide evidence satisfactory to us, such as a legal opinion from local counsel, that the exercise of such Subscription Rights does not violate the laws of the jurisdiction in which such stockholder resides and payment by a U.S. bank in U.S. dollars before the expiration of the offer. If no notice is received by such time or the evidence presented is not satisfactory to us, the Subscription Rights represented thereby will expire.

No Revocation or Change

Once you submit the Rights Certificate or have instructed your nominee of your subscription request, you are not allowed to revoke or change the exercise or request a refund of monies paid. All exercises of Subscription Rights are irrevocable, even if you learn information about us that you consider to be unfavorable. You should not exercise your Subscription Rights unless you are certain that you wish to purchase shares at the Subscription Price.

U.S. Federal Income Tax Treatment of Rights Distribution

For U.S. federal income tax purposes, we do not believe holders of shares of our common stock or warrants should recognize income or loss upon receipt or exercise of a Subscription Right. See "Material U.S. Federal Income Tax Consequences."

No Recommendation to Rights Holders

Our board of directors is not making a recommendation regarding your exercise of the Subscription Rights. Stockholders who exercise Subscription Rights risk investment loss on money invested. We cannot assure you that the market price of our common stock will reach or exceed the Subscription Price, and even if it does so, that it will not decline during or after the Rights Offering. We also cannot assure you that you will be able to sell shares of our common stock or Warrants purchased in the Rights Offering at a price equal to or greater than the Subscription Price. You should make your investment decision based on your assessment of our business and financial condition, our prospects for the future and the terms of this Rights Offering. Please see "Risk Factors" for a discussion of some of the risks involved in investing in our common stock.

Fees and Expenses

We will pay all fees charged by the Subscription Agent and the Information Agent, and by the dealer-manager. You are responsible for paying any other commissions, fees, taxes or other expenses incurred in connection with the exercise of your Subscription Rights.

The Subscription Rights may not be sold, transferred, assigned or given away to anyone, and will not be listed for trading on any stock exchange or market. We have applied to have the Warrants listed for trading on NASDAQ under the symbol "CYTXW," however, there is no assurance that a sufficient number of Subscription Rights will be exercised so that the Warrants will meet the minimum listing criteria to be accepted for listing on NASDAQ. The shares of our common stock, including the shares to be issued in the Rights Offering and the shares underlying the Warrants to be issued in the Rights Offering, are traded on NASDAQ under the symbol "CYTX."

Important

Do not send Rights Certificates directly to us. You are responsible for choosing the payment and delivery method for your Rights Certificate and you bear the risks associated with such delivery. If you choose to deliver your Rights Certificate and payment by mail, we recommend that you use registered mail, properly insured, with return receipt requested. We also recommend that you allow a sufficient number of days to ensure delivery to the Subscription Agent and clearance of payment prior to the expiration time.

Distribution Arrangements

Maxim Group LLC is the dealer-manager for the Rights Offering. The dealer-manager will provide marketing assistance and advice to us in connection with the Rights Offering and will use its best efforts to solicit the exercise of Subscription Rights and participation in the Over-Subscription Privilege. The dealer-manager is not underwriting or placing any of the Subscription Rights or the shares of our common stock or Warrants to be issued in the Rights Offering and does not make any recommendation with respect to such Subscription Rights (including with respect to the exercise or expiration of such Subscription Rights), shares or Warrants. We have agreed to pay the dealer-manager certain fees and to reimburse the dealer-manager for certain out-of-pocket expenses incurred in connection with this offering. See "Plan of Distribution."

MATERIAL U.S. FEDERAL INCOME TAX CONSEQUENCES

The following discussion is a summary of material U.S. federal income tax consequences relating to the receipt and exercise (or expiration) of the Subscription Rights acquired through the Rights Offering and the ownership and disposition of shares of our common stock and Warrants received upon exercise of the Subscription Rights or Warrants. The discussion under this caption "Material U.S. Federal Income Tax Consequences," insofar as such discussion constitutes matters of U.S. tax law or legal conclusions, represents the opinion of DLA Piper LLP (US) as to the material U.S. federal income tax consequences to U.S. Holders (as defined below) of the receipt and exercise (or expiration) of the Subscription Rights acquired through the Rights Offering and the ownership and disposition of shares of our common stock and Warrants received upon exercise of the Subscription Rights or Warrants.

This summary deals only with Subscription Rights acquired through the Rights Offering, shares of our common stock and Warrants acquired upon exercise of Subscription Rights and shares of our common stock acquired upon exercise of the Warrants, in each case, that are held as capital assets by a beneficial owner. This discussion does not address all aspects of U.S. federal income taxation that may be relevant to such beneficial owners in light of their personal circumstances. This discussion also does not address tax consequences to holders that may be subject to special tax rules, including, without limitation, insurance companies, real estate investment trusts, regulated investment companies, grantor trusts, tax-exempt organizations, employee stock purchase plans, partnerships and other pass-through entities, persons holding Subscription Rights, shares of our common stock, warrants or Warrants as part of a hedging, integrated, conversion or constructive sale transaction or a straddle, financial institutions, brokers, dealers in securities or currencies, traders that elect to mark-to-market their securities, persons that acquired Subscription Rights, shares of our common stock, warrants in connection with employment or other performance of services, U.S. Holders (as defined below) that have a functional currency other than the U.S. dollar, U.S. expatriates, and certain former citizens or residents of the United States. In addition, the discussion does not describe any tax consequences arising out of the tax laws of any state, local or foreign jurisdiction, or any U.S. federal tax considerations other than income taxation (such as Medicare contribution taxation or estate, generation skipping or gift taxation).

The discussion below is based upon the provisions of the Internal Revenue Code of 1986, as amended, or the Code, and regulations, rulings and judicial decisions thereunder, as of the date hereof, and such authorities may be repealed, revoked or modified, perhaps retroactively. We have not sought, and will not seek, any rulings from the Internal Revenue Service, or the IRS, regarding the matters discussed below. There can be no assurance that the IRS or a court will not take positions concerning the tax consequences of the receipt of Subscription Rights acquired through the Rights Offering by persons holding shares of our common stock or warrants, the exercise (or expiration) of the Subscription Rights, the acquisition, ownership and disposition of shares of our common stock and the acquisition, ownership and disposition (or expiration) of Warrants acquired upon exercise of the Subscription Rights that are different from those discussed below.

As used herein, a "U.S. Holder" means a beneficial owner of shares of our common stock, warrants, Subscription Rights, shares of our common stock and Warrants acquired upon exercise of Subscription Rights or shares of our common stock acquired upon exercise of Warrants, as the case may be, that is for U.S. federal income tax purposes: (1) an individual who is a citizen or resident of the United States; (2) a corporation (or other entity treated as a corporation for U.S. federal income tax purposes) created or organized in or under the laws of the United States or any state thereof or the District of Columbia; (3) an estate the income of which is subject to U.S. federal income taxation regardless of its source; or (4) a trust (a) the administration of which is subject to the primary supervision of a court within the United States and one or more United States persons as described in Section 7701(a)(30) of the Code have authority to control all substantial decisions of the trust, or (b) that has a valid election in effect to be treated as a United States person. A "Non-U.S. Holder" is such a beneficial owner (other than an entity or arrangement that is treated as a partnership for U.S. federal income tax purposes) that is not a U.S. Holder.

If any entity or arrangement that is treated as a partnership for U.S. federal income tax purposes is such a beneficial owner, the U.S. federal income tax treatment of a partner will generally depend upon the status of the partner and the activities of the partnership. Holders that are partnerships (and partners in such partnerships) are urged to consult their own tax advisors.

HOLDERS OF SHARES OF OUR COMMON STOCK AND SERIES R WARRANTS SHOULD CONSULT THEIR OWN TAX ADVISORS REGARDING THE APPLICATION OF THE U.S. FEDERAL INCOME TAX LAWS TO THEIR PARTICULAR SITUATIONS AND THE CONSEQUENCES UNDER FEDERAL ESTATE AND GIFT TAX LAWS, FOREIGN, STATE, AND LOCAL LAWS AND TAX TREATIES OF THE RECEIPT, OWNERSHIP AND EXERCISE OF SUBSCRIPTION RIGHTS AND THE ACQUISITION, OWNERSHIP, AND DISPOSITION OF SHARES OF OUR COMMON STOCK AND WARRANTS ACQUIRED UPON EXERCISE OF SUBSCRIPTION RIGHTS AND SHARES OF OUR COMMON STOCK ACQUIRED UPON EXERCISE OF WARRANTS.

Tax Consequences to U.S. Holders

Taxation of Subscription Rights

Receipt of Subscription Rights

Although the authorities governing transactions such as this Rights Offering are complex and do not speak directly to the consequences of certain aspects of this Rights Offering, including the inclusion of the right to purchase Warrants in the Subscription Rights (rather than the right to purchase only shares of our common stock) and the effects of the Over-Subscription Privilege, we do not believe your receipt of Subscription Rights pursuant to the Rights Offering should be treated as a taxable distribution with respect to your existing shares of common stock or warrants for U.S. federal income tax purposes. Section 305(a) of the Code states that a stockholder's taxable income does not include in-kind stock dividends; however, the general non-recognition rule in Section 305(a) is subject to exceptions in Section 305(b), which include "disproportionate distributions." A disproportionate distribution is a distribution or a series of distributions, including deemed distributions, that has the effect of the receipt of cash or other property by some stockholders or holders of debt instruments convertible into stock and an increase in the proportionate interest of other stockholders in a corporation's assets or earnings and profits.

Our position regarding the tax-free treatment of the Subscription Right distribution is not binding on the IRS, or the courts. If this position is finally determined by the IRS or a court to be incorrect, whether on the basis that the issuance of the Subscription Rights is a "disproportionate distribution" or otherwise, the fair market value of the Subscription Rights would be taxable to holders of our common stock as a dividend to the extent of the holder's pro rata share of our current and accumulated earnings and profits, if any, with any excess being treated as a return of capital to the extent thereof and then as capital gain. Although no assurance can be given, it is anticipated that we will not have current and accumulated earnings and profits of warrants in that case is not clear, and it may differ from the treatment of the Subscription Right distribution to the holders of our common stock.

The following discussion is based upon the treatment of the Subscription Right issuance as a non-taxable distribution with respect to your existing shares of common stock or warrants for U.S. federal income tax purposes.

Tax Basis in the Subscription Rights

If the fair market value of the Subscription Rights you receive is less than 15% of the fair market value of your existing shares of common stock or warrants (with respect to which the Subscription Rights are distributed) on the date you receive the Subscription Rights, the Subscription Rights will be allocated a zero basis for U.S. federal income tax purposes, unless you elect to allocate your basis in your existing shares of common stock or warrants

between your existing shares of common stock or warrants and the Subscription Rights in proportion to the relative fair market values of the existing shares of common stock or warrants and the Subscription Rights determined on the date of receipt of the Subscription Rights. If you choose to allocate basis between your existing common shares or warrants and the Subscription Rights, you must make this election on a statement included with your timely filed tax return (including extensions) for the taxable year in which you receive the Subscription Rights. Such an election is irrevocable.

However, if the fair market value of the Subscription Rights you receive is 15% or more of the fair market value of your existing shares of common stock or warrants on the date you receive the Subscription Rights, then you must allocate your basis in your existing shares of common stock or warrants between those shares or warrants and the Subscription Rights you receive in proportion to their fair market values determined on the date you receive the Subscription Rights.

The fair market value of the Subscription Rights on the date that the Subscription Rights are distributed is uncertain, and we have not obtained, and do not intend to obtain, an appraisal of the fair market value of the Subscription Rights on that date. In determining the fair market value of the Subscription Rights, you should consider all relevant facts and circumstances, including any difference between the Subscription Price of the Subscription Rights and the trading price of our shares of common stock on the date that the Subscription Rights are distributed, the exercise price of the warrants, the length of the period during which the Subscription Rights may be exercised and the fact that the Subscription Rights are non-transferable.

Exercise of Subscription Rights

Generally, you will not recognize gain or loss upon the exercise of a Subscription Right in the Rights Offering. Your adjusted tax basis, if any, in the Subscription Right plus the Subscription Price should be allocated between the new common share and Warrant acquired upon exercise of the Subscription Right in proportion to their relative fair market values on the exercise date. This allocation will establish your initial tax basis for U.S. federal income tax purposes in your new common shares and Warrants. The holding period of a share of common stock or Warrant acquired upon exercise of a Subscription Right in the Rights Offering will begin on the date of exercise.

If you exercise a Subscription Right received in the Rights Offering after disposing of the shares of our common stock or warrants with respect to which such Subscription Right is received, then certain aspects of the tax treatment of the exercise of the Subscription Right are unclear, including (1) the allocation of the tax basis between the shares of common stock or warrants previously sold and the Subscription Right, (2) the impact of such allocation on the amount and timing of gain or loss recognized with respect to the shares of our common stock or warrants previously sold, and (3) the impact of such allocation on the tax basis of the shares of our common stock and warrants acquired upon exercise of the Subscription Right. If you exercise a Subscription Right received in the Rights Offering after disposing of shares of our common stock or warrants with respect to which the Subscription Right is received, you should consult with your tax advisor.

Expiration of Subscription Rights

If you allow Subscription Rights received in the Rights Offering to expire, you should not recognize any gain or loss for U.S. federal income tax purposes, and you should re-allocate any portion of the tax basis in your existing common shares or warrants previously allocated to the Subscription Rights that have expired to the existing common shares or warrants.

Taxation of Warrants

Sale or other Taxable Disposition of Warrants

Upon the sale, exchange or other taxable disposition of a Warrant, in general, you will recognize taxable gain or loss measured by the difference, if any, between (i) the amount of cash and the fair market value of any property received upon such taxable disposition, and (ii) your adjusted tax basis in the Warrant as allocated pursuant to the rules discussed above. Your gain or loss generally will be capital gain or loss and generally will be long-term capital gain or loss if, at the time of the sale or other disposition, your holding period for the Warrant is more than one year. The deductibility of capital losses is subject to limitations.

Exercise of Warrants

Upon the exercise of a Warrant for cash, in general, you will not recognize gain or loss for U.S. federal income tax purposes, except to the extent you receive a cash payment for any such fractional share that would otherwise have been issuable upon exercise of the Warrant. Your initial tax basis in common stock received will equal your adjusted tax basis in the Warrant exercised, increased by the amount of cash paid to exercise the Warrant and decreased by the adjusted tax basis allocable to any fractional share that would otherwise have been issuable upon exercise of the Warrant. Your holding period for the shares of our common stock received on exercise generally will commence on the day of exercise.

In certain circumstances, the Warrants will be exercisable on a cashless basis. The tax consequences of a cashless exercise are not clear and could differ from the consequences described above, including the possibility that a cashless exercise could be a taxable event. You should consult your tax advisor regarding the tax consequences of a cashless exercise of a Warrant.

Expiration of Warrants

If you allow a Warrant to expire, you will generally recognize a loss for U.S. federal income tax purposes equal to the adjusted tax basis of the Warrant. In general, such a loss will be a capital loss, and will be a short-term or long-term capital loss depending on your holding period for the Warrant.

Certain Adjustments to the Warrants

Under Section 305 of the Code, an adjustment to the number of Warrant shares that will be issued on the exercise of the Warrants, or an adjustment to the exercise price of the Warrants, may be treated as a constructive distribution to you if, and to the extent that, such adjustment has the effect of increasing your proportionate interest in our earnings and profits or assets, depending on the circumstances of such adjustment (for example, if such adjustment is to compensate for a distribution of cash or other property to our stockholders). Adjustments to the exercise price of Warrants made pursuant to a bona fide reasonable adjustment formula that has the effect of preventing dilution of the interest of the holders of the Warrants should generally not be considered to result in a constructive distribution. Any such constructive distribution would be taxable whether or not there is an actual distribution of cash or other property. See the more detailed discussion of the rules applicable to distributions made by us under the heading "Taxation of Common Shares – Distributions" below.

Taxation of Common Shares

Distributions with respect to shares of our common stock acquired upon exercise of Subscription Rights or upon exercise of Warrants will be taxable as dividend income when actually or constructively received to the extent of our current or accumulated earnings and profits as determined for U.S. federal income tax purposes.

Dividend income received by certain non-corporate U.S. Holders with respect to shares of our common stock generally will be "qualified dividends" subject to preferential rates of U.S. federal income tax, provided that the U.S. Holder meets applicable holding period and other requirements. Subject to similar exceptions for short-term and hedged positions, dividend income on our shares of common stock paid to U.S. Holders that are domestic corporations generally will qualify for the dividends-received deduction. To the extent that the amount of a distribution exceeds our current and accumulated earnings and profits, such distribution will be treated first as a tax-free return of capital to the extent of your adjusted tax basis in such shares of our common stock and thereafter as capital gain.

Dispositions

If you sell or otherwise dispose of shares of common stock acquired upon exercise of Subscription Rights or upon exercise of Warrants in a taxable transaction, you will generally recognize capital gain or loss equal to the difference between the amount realized and your adjusted tax basis in the shares. Such capital gain or loss will be long-term capital gain or loss if your holding period for such shares is more than one year at the time of disposition. Long-term capital gain of a non-corporate U.S. Holder is generally taxed at preferential rates of U.S. federal income tax. The deductibility of capital losses is subject to limitations.

Information Reporting and Backup Withholding

You may be subject to information reporting and/or backup withholding with respect to the gross proceeds from the disposition of Warrants, shares of our common stock acquired through the exercise of Subscription Rights or through the exercise of Warrants, or dividend payments. Backup withholding (currently at the rate of 28%) may apply under certain circumstances if you (1) fail to furnish your social security or other taxpayer identification number, or TIN, (2) furnish an incorrect TIN, (3) fail to report interest or dividends properly, or (4) fail to provide a certified statement, signed under penalty of perjury, that the TIN provided is correct, that you are not subject to backup withholding and that you are a U.S. person on IRS Form W-9 or Substitute Form W-9. Any amount withheld from a payment under the backup withholding rules is allowable as a credit against (and may entitle you to a refund with respect to) your U.S. federal income tax liability, provided that the required information is timely furnished to the IRS. Certain persons are exempt from information reporting and backup withholding, including corporations and financial institutions, provided that they demonstrate this fact, if requested. You are urged to consult your own tax advisor as to your qualification for exemption from backup withholding and the procedure for obtaining such exemption.

Tax Consequences to Non-U.S. Holders

Taxation of the Subscription Rights

Receipt, Exercise and Expiration of the Subscription Rights

The discussion assumes that the receipt of Subscription Rights will be treated as a nontaxable distribution. See "Tax Consequences to U.S. Holders – Taxation of Subscription Rights – Receipts of Subscription Rights" above. You will not be subject to U.S. federal income tax (or any withholding thereof) on the receipt, exercise or expiration of the Subscription Rights.

Exercise and Expiration of Warrants and Certain Adjustments to Warrants

Exercise of Warrants

In general, a Non-U.S. Holder will not recognize gain or loss for U.S. federal income tax purposes upon exercise of a Warrant, except to the extent the Non-U.S. Holder receives a cash payment for any such fractional share that would otherwise have been issuable upon exercise of the Warrant, which will be treated as a sale subject to the rules described under "Sale or Other Disposition of Common Stock or Warrants" below.

Expiration of Warrants

In general, a Non-U.S. Holder will not be able to utilize a loss recognized upon expiration of a Warrant against the Non-U.S. Holder's U.S. federal income tax liability unless the loss is effectively connected with the Non-U.S. Holder's conduct of a trade or business within the United States (and, if an income tax treaty applies, is attributable to a permanent establishment in the United States) or is treated as a U.S.-source loss and the Non-U.S. Holder is present 183 days or more in the taxable year of disposition and certain other conditions are met.

Certain Adjustments to the Warrants

Under Section 305 of the Code, an adjustment to the number of Warrant shares that will be issued on the exercise of the Warrants, or an adjustment to the exercise price of the Warrants, may be treated as a constructive distribution to a Non-U.S. Holder of the Warrants if, and to the extent that, such adjustment has the effect of increasing such Non-U.S. Holder's proportionate interest in our "earnings and profits" or assets, depending on the circumstances of such adjustment (for example, if such adjustment is to compensate for a distribution of cash or other property to our stockholders). Adjustments to the exercise price of Warrants made pursuant to a bona fide reasonable adjustment formula that has the effect of preventing dilution of the interest of the holders of the Warrants should generally not be considered to result in a constructive distribution. Any such constructive distribution would be taxable whether or not there is an actual distribution of cash or other property. See the more detailed discussion of the rules applicable to distributions made by us under the heading "– Taxation of Distributions on Common Shares" below.

Taxation of Distributions on Common Shares

Any distributions of cash or property made with respect to our common stock generally will be subject to withholding tax to the extent paid out of our current or accumulated earnings and profits as determined for U.S. federal income tax purposes, if any, at a rate of 30% (or a lower rate prescribed in an applicable income tax treaty). In order to obtain a reduced withholding tax rate, if applicable, you will be required to provide an IRS Form W-8BEN or IRS Form W-8BEN-E, as applicable, certifying your entitlement to benefits under a treaty. In addition, you will not be subject to withholding tax if you provide an IRS Form W-8ECI certifying that the distributions are effectively connected with your conduct of a trade or business within the United States (and, if required by an applicable income tax treaty, are attributable to a permanent establishment within the United States); instead, you generally will be subject to U.S. federal income tax, net of certain deductions, with respect to such income at the same rates applicable to U.S. persons, and if you are a corporation, a "branch profits tax" of 30% (or a lower rate prescribed in an applicable income tax treaty) also may apply to such effectively connected income.

Non-U.S. Holders may be required to periodically update their IRS Forms W-8.

Sale or Other Disposition of Our Common Stock or Warrants

In general, you will not be subject to U.S. federal income tax on any gain realized on a sale of shares of our common stock, or Warrants unless:

- the gain is effectively connected with your conduct of a trade or business within the United States (and, if an income tax treaty applies, is attributable to a permanent establishment in the United States);
- you are an individual, you hold your Subscription Rights, shares of common stock or Warrants as capital assets, you are present in the United States for 183 days or more in the taxable year of disposition and certain other conditions are met; or
- we are or have been a "United States real property holding corporation," or USRPHC, for U.S. federal income tax purposes unless an exception for 5% or less stockholders applies.

Gain that is effectively connected with your conduct of a trade or business within the United States (and, if an income tax treaty applies, is attributable to a permanent establishment within the United States) generally will be subject to U.S. federal income tax, net of certain deductions, at the same rates applicable to U.S. persons. If you are a corporation, a "branch profits tax" of 30% (or a lower rate prescribed in an applicable income tax treaty) also may apply to such effectively connected gain.

A domestic corporation is treated as a USRPHC if the fair market value of its United States real property interests equals or exceeds 50% of the sum of (1) the fair market value of its United States real property interests, (2) the fair market value of its non-United States real property interests and (3) the fair market value of any other of its assets which are used or held for use in a trade or business. We believe that we are not currently, and have not been within the relevant testing period, a USRPHC. However, no assurance can be given that we will not become a USRPHC in the future. If we are a USRPHC or become a USRPHC in the future, a Non-U.S. Holder may still not be subject to U.S. federal income tax on a sale or other disposition if an exception for 5% or less stockholders applies. You are urged to consult your own tax advisor regarding the U.S. federal income tax considerations that could result if we are, or become, a USRPHC and with respect to the exception for 5% or less stockholders.

Information Reporting and Backup Withholding

Distributions on our common stock and the amount of tax withheld, if any, with respect to such distributions will generally be subject to information reporting. If you comply with certification procedures to establish that you are not a United States person, additional information reporting and backup withholding should not apply to distributions on our common stock and information reporting and backup withholding should not apply to the proceeds from a sale or other disposition of Warrants or shares of our common stock. The amount of any backup withholding will generally be allowed as a refund or credit against your U.S. federal income tax liability, provided that the required information is timely furnished to the IRS.

FATCA

Legislation enacted in 2010 and commonly referred to as FATCA may impose withholding taxes on certain types of payments made to "foreign financial institutions" and certain other non-U.S. entities. The legislation imposes a 30% withholding tax on dividends on shares of our common stock and on or after January 1, 2017, the gross proceeds from the sale or other disposition of our shares of common stock or Warrants received by a foreign financial institution unless the foreign financial institution enters into an agreement with the U.S. Treasury to among other things, undertake to identify accounts held by certain U.S. persons or U.S.-owned foreign entities, annually report certain information about such accounts and withhold 30% on payments to account holders whose actions prevent it from complying with these reporting and other requirements. In addition, the legislation imposes a 30% withholding tax on the same types of payments to a non-financial foreign entity unless the entity certifies that it does not have any substantial U.S. owners or furnishes identifying information regarding each substantial U.S. owner. Foreign financial institutions located in jurisdictions that have an intergovernmental agreement with the United States governing FATCA may be subject to different rules. Depending on your circumstances, you may be entitled to a refund or credit in respect of some or all of this withholding. However, even if you are entitled to have any such withholding refunded, the required procedures could be cumbersome and significantly delay your receipt of any withheld amounts. Prospective investors should consult their tax advisors regarding this legislation.

THE PRECEDING DISCUSSION OF MATERIAL U.S. FEDERAL INCOME TAX CONSEQUENCES IS NOT TAX ADVICE. HOLDERS OF SHARES OF OUR COMMON STOCK AND SERIES R WARRANTS SHOULD CONSULT THEIR OWN TAX ADVISORS REGARDING THE APPLICATION OF THE U.S. FEDERAL INCOME TAX LAWS TO THEIR PARTICULAR SITUATIONS AND THE CONSEQUENCES UNDER FEDERAL ESTATE AND GIFT TAX LAWS, FOREIGN, STATE, AND LOCAL LAWS AND TAX TREATIES OF THE RECEIPT, OWNERSHIP AND EXERCISE OF SUBSCRIPTION RIGHTS AND THE ACQUISITION, OWNERSHIP, AND DISPOSITION OF SHARES OF OUR COMMON STOCK AND WARRANTS ACQUIRED UPON EXERCISE OF SUBSCRIPTION RIGHTS AND SHARES OF OUR COMMON STOCK ACQUIRED UPON EXERCISE OF WARRANTS.

DESCRIPTION OF SECURITIES

Common Stock

This section describes the general terms and provisions of the shares of our common stock, \$0.001 par value. This description is only a summary and is qualified in its entirety by reference to the description of our common stock included in our amended and restated of incorporation, as amended, and our amended and restated bylaws, as amended, which have been filed as exhibits to the registration statement of which this prospectus is a part. You should read our amended and restated of incorporation and our amended and restated bylaws for additional information before you buy any of our common stock or other securities. See "Where You Can Find More Information" and "Incorporation by Reference."

We have 75,000,000 shares of authorized common stock. As of March 31, 2016, there were 13,310,740 shares of common stock issued and outstanding, as well as warrants to purchase 218,380 shares of common stock outstanding on that date. The holders of Common Stock possess exclusive voting rights in us, except to the extent our board of directors specifies voting power with respect to any other class of securities issued in the future. Each holder of our common stock is entitled to one vote for each share held of record on each matter submitted to a vote of stockholders, including the election of directors. Stockholders do not have any right to cumulate votes in the election of directors.

Subject to preferences that may be granted to the holders of preferred stock, each holder of our common stock is entitled to share ratably in distributions to stockholders and to receive ratably such dividends as may be declared by our board of directors out of funds legally available therefor. In the event of our liquidation, dissolution or winding up, the holders of our common stock will be entitled to receive, after payment of all of our debts and liabilities and of all sums to which holders of any preferred stock may be entitled, the distribution of any of our remaining assets. Holders of our common stock have no conversion, exchange, sinking fund, redemption or appraisal rights (other than such as may be determined by our board of directors in its sole discretion) and have no preemptive rights to subscribe for any of our securities.

All of the outstanding shares of our common stock are, and the shares of common stock issued upon the conversion of any securities convertible into our common stock will be, fully paid and non-assessable. The shares of common stock offered by this prospectus or upon the conversion of any preferred stock or debt securities or exercise of any warrants offered pursuant to this prospectus, when issued and paid for, will also be, fully paid and non-assessable.

The shares of common stock that are purchased in the Rights Offering as part of the Units will be issued in book-entry, or uncertificated, form meaning that you will receive a direct registration (DRS) account statement from our transfer agent reflecting ownership of shares if you are a holder of record of shares or warrants. The Subscription Agent will arrange for the issuance of the common stock as soon as practicable after the closing, which will occur as soon as practicable after the Rights Offering has expired but which may occur up to five business days thereafter. At closing, all prorating calculations and reductions contemplated by the terms of the Rights Offering will have been effected and payment to us for the subscribed-for Units will have cleared. If you hold your shares of common stock in the name of a bank, broker, dealer, or other nominee, DTC will credit your account with your nominee with the common stock you purchased in the Rights.

Our common stock is listed on the NASDAQ Capital Market under the symbol "CYTX."

Preferred Stock

We have 5,000,000 shares of authorized preferred stock, \$0.001 par value, 13,500 shares of which were issued and none of which were outstanding as of March 31, 2016. Of this amount, 13,500 shares have been designated Series A convertible preferred stock, none of which are outstanding as of March 31, 2016. Our board of directors is authorized, without action by our stockholders, to classify or reclassify any unissued portion of our authorized shares of preferred stock to provide for the issuance of shares of other classes or series, including preferred stock in one or more series. Our board of directors may fix or alter the dividend rights, dividend rate, conversion rights, voting rights, rights and terms of redemption (including sinking fund provisions), the redemption price or prices, the liquidation preferences of any wholly unissued series of Preferred Stock, and the number of shares constituting any such series and the designation thereof, or any of them. Our board of directors may also increase or decrease the number of shares of any series subsequent to the issue of shares of that series, but not below the number of shares of such series then outstanding. In case the number of shares of any series shall be so decreased, the shares constituting such decrease shall resume the status which they had prior to the adoption of the resolution originally fixing the number of shares of such series.

Warrants

Warrants Included in Units Issuable in the Rights Offering

The Warrants to be issued as a part of this Rights Offering will be designated as our "Series R" warrants. These Warrants will be separately transferable following their issuance and through their expiration 30 months from the date of issuance. Each whole Warrant will entitle the holder to purchase one share of common stock at an exercise price of \$4.80 per share from the date of issuance through its expiration. We have applied to have the Warrants listed for trading on NASDAQ under the symbol "CYTXW," however, there is no assurance that a sufficient number of Subscription Rights will be exercised so that the Warrants will meet the minimum listing criteria to be accepted for listing on NASDAQ. The common stock underlying the Warrants, upon issuance, will also be traded on NASDAQ under the symbol "CYTX."

All Warrants that are purchased in the Rights Offering as part of the Units will be issued in book-entry, or uncertificated, form meaning that you will receive a direct registration, or DRS, account statement from our transfer agent reflecting ownership of Warrants if you are a holder of record of shares or warrants. The Subscription Agent will arrange for the issuance of the Warrants as soon as practicable after the closing, which will occur as soon as practicable after the Rights Offering has expired but which may occur up to five business days thereafter. At closing, all prorating calculations and reductions contemplated by the terms of the Rights Offering will have been effected and payment to us for the subscribed-for Units will have cleared. If you hold your shares of common stock in the name of a bank, broker, dealer, or other nominee, DTC will credit your account with your nominee with the Warrants you purchased in the Rights Offering.

The Warrants will be exercisable for cash, or solely during any period when a registration statement for the exercise of the Warrants is not in effect, on a cashless basis.

We may call the Warrants for redemption, in whole and not in part, at a price of \$0.01 per Warrant at any time while the Warrants are exercisable, upon not less than 30 days' prior written notice of redemption, and if, and only if, the closing price of the common stock equals or exceeds \$12.00 per share, subject to adjustment, for ten consecutive trading days, provided that we may not do so prior to the first anniversary of closing of the Rights Offering.

The Warrants provide that, for so long as a holder continues to hold Warrants, such holder will not be permitted to enter into any short sale or similar transaction with respect to our Common Stock. Any violation of this provision may result in the Warrant being terminated at the Company's option.

The exercise price of the Warrants and the number of shares of common stock issuable upon exercise of the Warrants are subject to adjustment in certain circumstances, including a stock split of, stock dividend on, or a subdivision, combination or recapitalization of the common stock. Upon the merger,

consolidation, sale of substantially all of our assets, or other similar transaction, the holders of Warrants shall, at the option of the company, be required to exercise the Warrants immediately prior to the closing of the transaction, or such Warrants shall automatically expire. Upon such exercise, the holders of Warrants shall participate on the same basis as the holders of common stock in connection with the transaction.

The Warrants do not confer upon the holder any voting or any other rights of a stockholder. Upon notice to the Warrants holders, we have the right at any time and from time to time, to reduce the exercise price or to extend the Warrants' termination date.

The Warrants will be issued pursuant to a warrant agreement by and between us and Broadridge Corporate Issuer Solutions, Inc., the warrant agreent.

Possible Anti-Takeover Effects of Delaware Law and our Certificate of Incorporation and Bylaws

Delaware Anti-Takeover Statute

We are subject to Section 203 of the DGCL, an anti-takeover statute. In general, Section 203 of the DGCL prohibits a publicly held Delaware corporation from engaging in a "business combination" with an "interested stockholder" for a period of three years following the time the person became an interested stockholder, unless the business combination or the acquisition of shares that resulted in a stockholder becoming an interested stockholder is approved in a prescribed manner. Generally, a "business combination" includes a merger, asset or stock sale, or other transaction resulting in a financial benefit to the interested stockholder. Generally, an "interested stockholder" is a person who, together with affiliates and associates, owns (or within three years prior to the determination of interested stockholder status did own) 15% or more of a corporation's voting stock. The existence of this provision would be expected to have an anti-takeover effect with respect to transactions not approved in advance by our board of directors, including discouraging attempts that might result in a premium over the market price for the shares of common stock held by our stockholders.

Board Vacancies

Our amended and restated bylaws provide that any vacancy or vacancies in our board of directors shall be deemed to exist in the case of the death, resignation or removal of any director, or if the authorized number of directors be increased. Vacancies may be filled by a majority of the remaining directors, though less than a quorum, or by a sole remaining director, unless otherwise provided in our amended and restated of incorporation, as amended. The stockholders may elect a director or directors at any time to fill any vacancy or vacancies not filled by the directors.

Undesignated Preferred Stock

The authority possessed by our board of directors to issue preferred stock could potentially be used to discourage attempts by third parties to obtain control of our company through a merger, tender offer, proxy contest or otherwise by making such attempts more difficult or more costly. Our board of directors may issue preferred stock with voting rights or conversion rights that, if exercised, could adversely affect the voting power of the holders of our common stock.

Special Meeting Requirements

Our amended and restated by laws provide that special meetings of our stockholders may only be called at the request of our president, chief executive officer or chairman of the board or by a majority of our Board of Directors.

No Cumulative Voting

The DGCL provides that stockholders are denied the right to cumulate votes in the election of directors unless our amended and restated of incorporation, as amended, provides otherwise. Our amended and restated of incorporation does not provide for cumulative voting.

Authorized but Unissued Shares

Our authorized but unissued shares of common stock and preferred stock will be available for future issuance without stockholder approval. We may use additional shares for a variety of purposes, including future public offerings to raise additional capital, to fund acquisitions and as employee compensation. The existence of authorized but unissued shares of common stock and preferred stock could render more difficult or discourage an attempt to obtain control of us by means of a proxy contest, tender offer, merger or otherwise.

The above provisions may deter a hostile takeover or delay a change in control or management of us.

Transfer Agent

The transfer agent and registrar for our common stock is Computershare Trust Company, N.A.

Warrant Agent

The warrant agent for the warrants is Broadridge Corporate Issuer Solutions, Inc.

PLAN OF DISTRIBUTION

On or about May 20, 2016, we will distribute the Subscription Rights, Rights Certificates and copies of this prospectus to the holders of our common stock on the Record Date. Subscription Rights holders who wish to exercise their Subscription Rights and purchase Units must complete the Subscription Rights Certificate and return it with payment for the shares to the Subscription Agent at the following address:

Broadridge Corporate Issuer Solutions, Inc. 1717 Arch Street, Suite 1300 Philadelphia, PA 19103 Attn: Re-Organization Department

If you have any questions, you should contact our Information Agent for the Rights Offering:

Broadridge Corporate Issuer Solutions, Inc. (855) 793-5068 (toll free)

Other than as described in this prospectus, we do not know of any existing agreements between any stockholder, broker, dealer, underwriter or agent relating to the sale or distribution of the underlying common stock.

Maxim Group LLC is the dealer-manager of this Rights Offering. In such capacity, such dealer-manager will provide marketing assistance and advice to us in connection with this offering and will solicit the exercise of Subscription Rights and participation in the Over-Subscription Privilege. The dealermanager is not underwriting or placing any of the Subscription Rights or the shares of our common stock or Warrants being issued in this offering and does not make any recommendation with respect to such Subscription Rights (including with respect to the exercise or expiration of such Subscription Rights), shares or Warrants.

In connection with this Rights Offering, we have agreed to pay fees to Maxim Group LLC as dealer-manager a cash fee equal to (i) 6% of the gross proceeds received by us directly from exercises of the Subscription Rights if the amount of such gross proceeds is less than \$7.5 million or (b) 7% of the gross proceeds received by us directly from exercises of the Subscription Rights if the amount of such gross proceeds is at least \$7.5 million. We advanced \$30,000 to Maxim Group LLC against reimbursement of accountable expenses upon their engagement as a dealer-manager, or the Advance, and agreed to reimburse the reasonable fees and expenses of the dealer-manager up to \$75,000. Any portion of the Advance will be returned to us to the extent it is not actually incurred.

We have also agreed to indemnify the dealer-manager and its respective affiliates against certain liabilities arising under the Securities Act of 1933, as amended. The dealer-manager's participation in this offering is subject to customary conditions contained in the dealer-manager agreement, including the receipt by the dealer-manager of an opinion of our counsel. The dealer-manager and its affiliates may provide to us from time to time in the future in the ordinary course of their business certain financial advisory, investment banking and other services for which they will be entitled to receive fees.

Maxim Group LLC is a broker-dealer and member of the Financial Industry Regulatory Authority, Inc. The principal business address of Maxim Group LLC is 405 Lexington Avenue, New York, New York 10174.

EXPERTS

The consolidated financial statements and schedule of Cytori Therapeutics, Inc. as of December 31, 2015 and 2014, and for each of the years in the three-year period ended December 31, 2015, and management's assessment of the effectiveness of internal control over financial reporting as of December 31, 2015, have been incorporated by reference herein and in the registration statement in reliance upon the reports of KPMG LLP, independent registered public accounting firm, incorporated by reference herein, and upon the authority of said firm as experts in accounting and auditing.

The audit report covering the December 31, 2015 consolidated financial statements contains an explanatory paragraph that states that the Company's recurring losses from operations, liquidity position, and debt service requirements raises substantial doubt about the Company's ability to continue as a going concern. The consolidated financial statements and financial statement schedule do not include any adjustments that might result from the outcome of that uncertainty.

LEGAL MATTERS

The validity of the securities offered hereby will be passed upon for us by DLA Piper LLP (US), San Diego, California. The dealer-manager is being represented by Ellenoff Grossman & Schole LLP, New York, New York.

WHERE YOU CAN FIND MORE INFORMATION

We have filed a registration statement on Form S-1 with the SEC under the Securities Act of 1933, as amended. This prospectus is part of the registration statement but the registration statement includes additional information and exhibits. We file annual, quarterly and current reports, proxy statements and other information with the SEC. You may read and copy the registration statement and any document we file with the SEC at the public reference room maintained by the SEC at 100 F Street, N.E., Washington, D.C. 20549. You may obtain information on the operation of the public reference room by calling the SEC at 1-800-SEC-0330. The SEC also maintains a web site that contains reports, proxy and information statements and other information regarding companies, such as ours, that file documents electronically with the SEC. The website address is www.sec.gov. The information on the SEC's website is not part of this prospectus, and any references to this website or any other website are inactive textual references only.

INCORPORATION BY REFERENCE

The SEC permits us to "incorporate by reference" the information contained in documents we have filed with the SEC, which means that we can disclose important information to you by referring you to those documents rather than by including them in this prospectus. Information that is incorporated by reference is considered to be part of this prospectus and you should read it with the same care that you read this prospectus. We have filed with the SEC, and incorporate by reference in this prospectus:

- our Annual Report on Form 10-K for the year ended December 31, 2015;
- our Quarterly Report on Form 10-Q for the quarter ended March 31, 2016, filed on May 10, 2016;
- our definitive proxy statement filed on March 15, 2016;
- our Current Reports on Form 8-K filed on January 5, 2016, January 29, 2016, February 4, 2016, February 24, 2016, March 2, 2016, and May 10, 2016.
- the description of our common stock contained in our registration statement on Form 10/A filed with the SEC on July 16, 2001 (File No. 000-32501).

Any statement contained in any document incorporated by reference herein will be deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained in this prospectus or any additional prospectus supplements modifies or supersedes such statement. Any statement so modified or superseded will not be deemed, except as so modified or superseded, to constitute a part of this prospectus.

We will provide without charge to each person, including any beneficial owner, to whom this prospectus is delivered, upon written or oral request, a copy of any or all documents that are incorporated by reference into this prospectus, but not delivered with the prospectus supplement, other than exhibits to such documents unless such exhibits are specifically incorporated by reference into the documents that this prospectus supplement incorporates. You should direct written requests to: Cytori Therapeutics, Inc., 3020 Callan Road, San Diego, CA 92121, Attn: Investor Relations, or you may call us at (858) 458-0900.

PROSPECTUS

Subscription Rights to Purchase Up to 5,000,000 Units Consisting of an Aggregate of Up to 5,000,000 Shares of Common Stock and Warrants to Purchase Up to 2,500,000 Shares of Common Stock at a Subscription Price of \$4.00 Per Unit

Dealer-Manager

Maxim Group LLC

, 2016

PART II Information Not Required In Prospectus

Item 13. Other Expenses of Issuance and Distribution.

The following is a statement of estimated expenses in connection with the issuance and distribution of the securities being registered, excluding dealer-manager fees. All expenses incurred with respect to the registration of the common stock will be borne by us. All amounts are estimates except the SEC registration fee and the FINRA filing fee.

10unt to be Paid
3,021
3,650
15,000
150,000
50,000
30,000
8,831
260,000

*Estimated solely for the purpose of this Item. Actual expenses may vary.

Item 14. Indemnification of Directors and Officers.

Section 145 of the DGCL authorizes a court to award or a corporation's board of directors to grant indemnification to directors and officers in terms sufficiently broad to permit such indemnification under certain circumstances for liabilities (including reimbursement for expenses incurred) arising under the Securities Act of 1933, as amended, or the Securities Act.

Our amended and restated certificate of incorporation, as amended (our "Certificate"), includes a provision that, to the fullest extent permitted by the Delaware General Corporation Law, eliminates the personal liability of our directors for monetary damages for breach of fiduciary duty as a director. In addition, together our Certificate and our amended and restated bylaws, as amended (our "Bylaws"), require us to indemnify, to the fullest extent permitted by law, any person made or threatened to be made a party to an action or proceeding (whether criminal, civil, administrative or investigative) by reason of the fact that such person is or was a director, officer or employee of Cytori or any predecessor of ours, or serves or served at any other enterprise as a director, officer or employee at our request or the request of any predecessor of ours, against expenses (including attorneys' fees), judgments, fines, settlements and other amounts actually and reasonably incurred in connection with any proceeding, arising by reason of the fact that such person is or was an agent of ours. Our Bylaws also provide that we may, to the fullest extent provided by law, indemnify any person against expenses (including attorneys' fees), judgments, fines, settlements and other amounts actually and reasonably incurred in connection with any proceeding, arising by reason of the fact that such person is or was an agent of ours. We are required to advance expenses incurred by our directors, officers, employees and agents in defending any action or proceeding for which indemnification is required or permitted, subject to certain limited exceptions. The indemnification rights conferred by our Bylaws are not exclusive.

Item 15. Recent Sales of Unregistered Securities.

The following is a summary of all securities that we have sold within the past three years without registration under the Securities Act of 1933, as amended (the "Securities Act").

- On June 28, 2013, pursuant to the terms and conditions of the Loan and Security Agreement with Oxford Finance LLC, as collateral agent
 and as a lender, and Silicon Valley Bank as lender, we issued to the Lenders warrants to purchase an aggregate of up to 39,771 shares of
 our common stock at an exercise price equal to \$33.90 per share. The warrants were immediately exercisable for cash or by net exercise
 and will expire seven years after their issuance, which is June 28, 2020. The warrants were offered and sold to accredited investors in
 reliance upon exemptions from registration under Section 4(a)(2) of the Securities Act and Rule 506 of Regulation D promulgated
 thereunder.
- On October 29, 2013, we entered into a Common Stock Purchase Agreement to sell 533,334 shares of our unregistered common stock (the "Lorem Shares") to Lorem Vascular Pty. Ltd, a company organized under the laws of Australia ("Lorem Vascular"), for \$24,000,000 cash in a private placement ("Lorem Purchase Agreement"). The purchase of the Lorem Shares took place in two parts, with the first four million shares being paid and transferred in November 2013, and the remaining four million shares being paid and transferred in January 2014. The issuance of the Lorem Shares was a private placement to an "accredited investor" and was exempt from registration under Section 4(a)(2) of the Securities Act and Rule 506 of Regulation D promulgated thereunder.
- Effective May 13, 2014, we and 47 holders of warrants dated May 14, 2009 to purchase a total of 210,416 shares of our common stock issued in a private offering in 2009 agreed to extend the expiration date of the warrants from May 14, 2014 to May 14, 2015 and increase the exercise price of the warrants from \$39.30 per share to \$52.50 per share pursuant to an Amendment to Warrant to Purchase Common Stock. To the extent the amendments constitute an issuance of securities, the deemed exchange of the original warrants for warrants with the modified terms for no additional consideration and without paying remuneration for soliciting such exchange was exempt under Section 3(a)(9) of the Securities Act.
- On September 11, 2014, in connection with and pursuant to an amendment entered into on September 4, 2014 with 13 holders of existing warrants, we issued warrants to purchase 268,826 shares of common stock having an exercise price of \$30.00 per share, exercisable on the date that is six months and one day from the date of issuance and expiring five years from the date of issuance. The warrants also contain a cashless exercise feature. The warrants were issued in reliance on an exemption from registration under the Securities Act pursuant to Section 4(a)(2) thereof based on the offering of such securities to thirteen investors and the lack of any general solicitation or advertising in connection with such issuance.
- On September 19, 2014, pursuant to the terms and conditions of a letter agreement with Oxford Finance LLC and Silicon Valley Bank, we cancelled the warrants issued June 28, 2013 and issued new warrants to purchase an aggregate of up to 39,771 shares of our common stock at an exercise price equal to \$10.05 per share. The warrants were immediately exercisable for cash or by net exercise and will expire seven years after their issuance, which is June 28, 2020. The warrants were offered and sold to accredited investors in reliance upon exemptions from registration under Section 4(a)(2) of the Securities Act and Rule 506 of Regulation D promulgated thereunder.

On May 29, 2015, pursuant to the terms and conditions of the Loan and Security Agreement with Oxford Finance LLC, as collateral agent and as a lender, we issued to Oxford warrants to purchase an aggregate of up to 94,442 shares of our common stock at an exercise price equal to \$10.308 per share. The warrants were exercisable on or after November 30, 2015 for cash or by net exercise and will expire ten years after their issuance on May 29, 2025. The warrants were offered and sold to accredited investors in reliance upon exemptions from registration under Section 4(a)(2) of the Securities Act and Rule 506 of Regulation D promulgated thereunder.

Item 16. Exhibits and Financial Statement Schedules.

(a) Exhibits

The exhibits to the registration statement are listed in the Exhibit Index to this registration statement and are incorporated herein by reference.

(b) Financial statement schedules

All schedules have been omitted because either they are not required, are not applicable or the information is otherwise set forth in the financial statements and related notes thereto.

Item 17. Undertakings.

The undersigned registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) To include any prospectus required by section 10(a)(3) of the Securities Act of 1933;

(ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Securities and Exchange Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement; and

(iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(4) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser:

(A) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

(B) Each prospectus filed pursuant to Rule 424(b) as part of a registration statement relating to an offering, other than registration statements relying on Rule 430B or other than prospectuses filed in reliance on Rule 430A, shall be deemed to be part of and included in the registration statement as of the date it is first used after effectiveness. Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such first use, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such date of first use.

(5) That for the purpose of determining liability of the registrant under the Securities Act of 1933 to any purchaser in the initial distribution of securities, the undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

(i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;

(ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;

(iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and

(iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.

(6) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to any charter provision, by law or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Securities Act of 1933 and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

(7) The undersigned registrant hereby undertakes that:

(i) For purposes of determining any liability under the Securities Act of 1933, the information omitted from the form of prospectus filed as part of this registration statement in reliance upon Rule 430A and contained in a form of prospectus filed by the registrant pursuant to Rule 424(b)(I) or (4) or 497(h) under the Securities Act shall be deemed to be part of this registration statement as of the time it was declared effective; and

(ii) For the purpose of determining any liability under the Securities Act of 1933, each post-effective amendment that contains a form of prospectus shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the Registrant has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of San Diego, State of California, on May 10, 2016.

CYTORI THERAPEUTICS, INC.

By:	/s/ Marc H. Hedrick, M.D.
-	Marc H. Hedrick, M.D.
	President and Chief Executive Officer

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following persons in the capacities and on the dates indicated.

SIGNATURE	TITLE	DATE
* David M. Rickey	Chairman of the Board	May 10, 2016
/s/ Marc H. Hedrick, M.D.* Marc H. Hedrick, M.D.	President, Chief Executive Officer and Director (Principal Executive Officer)	May 10, 2016
/s/ Tiago Girão Tiago Girão	Chief Financial Officer (Principal Financial and Accounting Officer)	May 10,, 2016
* Richard J. Hawkins	Director	May 10, 2016
* Paul W. Hawran	Director	May 10, 2016
* Gail K. Naughton, Ph.D.	Director	May 10, 2016
* Gary A. Lyons	Director	May 10, 2016

*By: /s/ Tiago Girão Attorney-in-Fact

EXHIBIT INDEX

	CYTORI THERAPEUTICS, I EXHIBIT INDEX	NC.				
Exhibit		Filed with this Form		Incorporated by Referen		
Number 1.1	Exhibit Title Form of Dealer-Manager Agreement by and between Cytori Therapeutics, Inc., Maxim Group LLC.	S-1 X	Form	File No.	Date Filed	
3.1	Composite Certificate of Incorporation.		10-K	001-34375	03/11/2015	
3.2	Amended and Restated Bylaws of Cytori Therapeutics, Inc.		10-Q	000-32501 Exhibit 3.2	08/14/2003	
3.3	Amendment to Amended and Restated Bylaws of Cytori Therapeutics, Inc.		8-K	001-34375	05/06/2014	
3.4	Certificate of Designation of Preferences, Rights and Limitations of Series A 3.6% Convertible Preferred Stock.		8-K	001-034375	10/08/2014	
3.5	Certificate of Amendment to Amended and Restated Certificate of Incorporation, as amended		8-K	001-34375	05/10/2016	
4.1	Warrant to Purchase Common Stock issued by the Company on October 14, 2008 in favor of Silicon Valley Bank, pursuant to the Loan and Security Agreement dated October 14, 2008.		10-K	000-32501 Exhibit 10.62	03/06/2009	
4.2	Warrant to Purchase Common Stock issued by the Company on June 11, 2010 in favor of GE Capital Equity Investments, Inc., pursuant to the Amended and Restated Loan and Security Agreement dated June 11, 2010.		8-K	001-34375 Exhibit 10.73	06/17/2010	
4.3	Warrant to Purchase Common Stock issued by the Company on June 11, 2010 in favor of Silicon Valley Bank, pursuant to the Amended and Restated Loan and Security Agreement dated June 11, 2010.		8-K	001-34375 Exhibit 10.74	06/17/2010	
4.4	Warrant to Purchase Common Stock issued by the Company on June 11, 2010 in favor of Oxford Financial Corporation, pursuant to the Amended and Restated Loan and Security Agreement dated June 11, 2010.		8-K	001-34375 Exhibit 10.75	06/17/2010	
4.5	Warrant to Purchase Common Stock issued by the Company on September 9, 2011 in favor of GE Capital Equity Investments, Inc., pursuant to the Amended and Restated Loan and Security Agreement dated September 9, 2011.		8-K	001-34375 Exhibit 10.84	09/15/2011	
4.6	Warrant to Purchase Common Stock issued by the Company on September 9, 2011 in favor of Silicon Valley Bank, pursuant to the Amended and Restated Loan and Security Agreement dated September 9, 2011.		8-K	001-34375 Exhibit 10.85	09/15/2011	
4.7	Warrant to Purchase Common Stock issued by the Company on September 9, 2011 in favor of Oxford Financial Corporation, pursuant to the Amended and Restated Loan and Security Agreement dated September 9, 2011.		8-K	001-34375 Exhibit 10.86	09/15/2011	
4.8	Warrant to Purchase Common Stock issued by the Company on September 9, 2011 in favor of Oxford Financial Corporation, pursuant to the Amended and Restated Loan and Security Agreement dated September 9, 2011.		8-K	001-34375 Exhibit 10.87	09/15/2011	
4.9	Warrant to Purchase Common Stock issued by the Company on June 28, 2013 in favor of Oxford Finance LLC pursuant to the Loan and Security Agreement dated June 28, 2013.		10-Q	001-34375 Exhibit 4.17	08/09/2013	
4.10	Warrant to Purchase Common Stock issued by the Company on June 28, 2013 in favor of Oxford Finance LLC pursuant to the Loan and Security Agreement dated June 28, 2013.		10-Q	001-34375 Exhibit 4.18	08/09/2013	
4.12	Warrant to Purchase Common Stock issued by the Company on June 28, 2013 in favor of Oxford Finance LLC pursuant to the Loan and Security Agreement dated June 28, 2013.		10-Q	001-34375 Exhibit 4.19	08/09/2013	
4.13	Warrant to Purchase Common Stock issued by the Company on June 28, 2013 in favor of Oxford Finance LLC pursuant to the Loan and Security Agreement dated June 28, 2013.		10-Q	001-34375 Exhibit 4.20	08/09/2013	
4.14	Warrant to Purchase Common Stock issued by the Company on June 28, 2013 in favor of Silicon Valley Bank pursuant to the Loan and Security Agreement dated June 28, 2013.		10-Q	001-34375 Exhibit 4.21	08/09/2013	
4.15	Form of Warrant to Purchase Common Stock for Investors in the Units.		8-K	001-34375	05/30/2014	
4.16	Form of Warrant to Purchase Common Stock for Placement Agent of the Units.		8-K	001-34375	05/30/2014	
4.17	Form of Amendment to Warrant to Purchase Common Stock.		8-K	001-34375	09/08/2014	
4.18	Form of Warrant to Purchase Common Stock.		8-K	001-34375	09/08/2014	

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4.19	Form of Warrant for Purchasers in the Units.		8-K	001-034375	10/08/2014
4.20	Form of Initial Warrant to Purchase Common Stock.		8-K	001-034375	05/05/2015
4.21	Form of Additional Warrant to Purchase Common Stock.		8-K	001-034375	05/05/2015
4.22	Form of Pre-Funded Warrant to Purchase Common Stock.		8-K	001-034375	05/05/2015
4.23	Amendment to Common Stock Purchase Warrant.		10-K	001-34375	03/11/2015
4.24	Amendment to Series A-1 Warrant to Purchase Common Stock.		10-K	001-34375	03/11/2015
4.25	Amendment to Series A-2 Warrant to Purchase Common Stock.		10-K	001-34375	03/11/2015
4.26	Form of Non-Transferable Subscription Rights Certificate.	Х			
4.27	Form of Series R Warrant underlying the Units.	Х			
4.28	Form of Warrant Agreement between Cytori Therapeutics, Inc. and Broadridge Corporate Issuer Solutions, Inc.	iX			
5.1	Opinion of DLA Piper LLP (US).	Х			
8.1	Tax Opinion of DLA Piper LLP (US)	Х			
10.1#	Amended and Restated 1997 Stock Option and Stock Purchase Plan.		10	000-32501 Exhibit 10.1	03/30/2001
10.1.1#	Board of Directors resolution adopted November 9, 2006 regarding determination of fair market value for stock option grant purposes (incorporated by reference to Exhibit 10.10.1 filed as Exhibit 10.10.1 to ou Form 10-K Annual Report, as filed on March 30, 2007 and incorporated by reference herein).	8 6 1 7	10-K	000-32501 Exhibit 10.10.1	03/30/2007
10.2	2004 Equity Incentive Plan of Cytori Therapeutics, Inc.		8-K	000-32501 Exhibit 10.1	08/27/2004
10.3#	Board of Directors resolution adopted November 9, 2006 regarding determination of fair market value for stock option grant purposes.	1	10-K	000-32501 Exhibit 10.10.1	03/30/2007
10. 4#	Notice and Agreement for Stock Options Grant Pursuant to Cytor Therapeutics, Inc. 1997 Stock Option and Stock Purchase Plan (Nonstatutory)	i	10-Q	000-32501 Exhibit 10.19	11/15/2004
10.5#	Notice and Agreement for Stock Options Grant Pursuant to Cytor Therapeutics, Inc. 1997 Stock Option and Stock Purchase Plan (Nonstatutory) with Cliff.	i)	10-Q	000-32501 Exhibit 10.20	11/15/2004
10.6#	Notice and Agreement for Stock Options Grant Pursuant to Cytor Therapeutics, Inc. 1997 Stock Option and Stock Purchase Plan (Incentive).	i	10-Q	000-32501 Exhibit 10.21	11/15/2004
10.7#	Notice and Agreement for Stock Options Grant Pursuant to Cytori Therapeutics, Inc. 1997 Stock Option and Stock Purchase Plan (Incentive) with Cliff.		10-Q	000-32501 Exhibit 10.22	11/15/2004
10.8#	Form of Options Exercise and Stock Purchase Agreement Relating to the 2004 Equity Incentive Plan.		10-Q	000-32501 Exhibit 10.23	11/15/2004
10.9#	Form of Notice of Stock Options Grant Relating to the 2004 Equity Incentive Plan.		10-Q	000-32501 Exhibit 10.24	11/15/2004
10.10	Sublease Agreement dated May 24, 2005, between Biogen Idec, Inc. and the Company.		10-Q	000-32501 Exhibit 10.21	08/15/2005
10.11+	License & Royalty Agreement, effective August 23, 2007, by and between Olympus-Cytori, Inc. and Cytori Therapeutics, Inc.		10-Q	000-32501 Exhibit 10.49	11/13/2007
10.69	Lease Agreement entered into on April 2, 2010, between HCP Callan Rd, LLC. and Cytori Therapeutics, Inc.		10-Q	001-34375 Exhibit 10.69	05/06/2010
10.76	Common Stock Purchase Agreement, dated December 6, 2010, by and among Cytori Therapeutics, Inc. and Astellas Pharma Inc.		8-K	001-34375 Exhibit 10.76	12/09/2010
10.77	Form of Notice and Restricted Stock Award Agreement for grants of performance-based restricted stock awards under the 2004 Equity Incentive Plan.		8-K	001-34375 Exhibit 10.1	03/04/2011
10.88	First Amendment to Lease Agreement entered into on November 4, 2011,		10-Q	001-34375	11/08/2011

	between HCP Callan Rd, LLC. and the Company.		<u> </u>	Exhibit 10.88	ļ
10.89#	2011 Employee Stock Purchase Plan.		DEF 14A	001-34375 Appendix A	05/02/2011
10.90+	Contract HHSO100201200008C dated September 27, 2012, by and between the Company and the U.S. Department of Health and Human Services Biomedical Advanced Research and Development Authority (portions of the exhibit have been omitted pursuant to a request for confidential treatment).		8-K	001-34375 Exhibit 10.90	10/03/2012
10.91	Joint Venture Termination Agreement dated May 8, 2013 by and between the Company and Olympus Corporation.		10-Q	001-34375 Exhibit 10.91	05/10/2013
10.93+	Puregraft Sale-License-Supply Agreement, dated July 30, 2013, by and among the Company and Bimini Technologies LLC.		10-Q/A	001-34375 Exhibit 10.93	11/12/2013
10.94+	Amended and Restated License and Supply Agreement dated January 30, 2014, by and between the Company and Lorem Vascular Pty. Ltd.		8-K	001-34375	02/04/2014
10.95	Sales Agreement, dated May 12, 2014, by and between Cytori Therapeutics, Inc. and Cowen and Company, LLC.		8-K	001-34375	05/12/2014
10.98	Cytori Therapeutics, Inc. 2014 Equity Incentive Plan.		DEF 14A	001-34375	06/12/2014
10.99	Contract HHSO100201200008C Amendment No. 1 dated August 13, 2014, by and between the Company and the U.S. Department of Health and Human Services Biomedical Advanced Research and Development Authority.		8-K	001-34375	08/19/2014
10.103	Confidential Separation Agreement and General Release of all claims dated October 2, 2014, by and among the Company, and Clyde Shores.		10-Q	001-34375	11/06/2014
10.104	Form of Securities Purchase Agreement by and between Cytori Therapeutics, Inc. and the Purchasers (as defined therein), dated as of October 8, 2014.		8-K	001-034375	10/08/2014
10.105	Placement Agency Agreement, dated October 8, 2014, between Cytori Therapeutics, Inc. and Roth Capital Partners, LLC.		8-K	001-034375	10/08/2014
10.106	Amendment One to the Securities Purchase Agreement, dated March 16, 2015, between the Company and certain institutional investors.		10-Q	001-034375	05/11/2015
10.107	Form of Securities Purchase Agreement, dated May 5, 2015, by and among Cytori Therapeutics, Inc. and the investors named therein.		8-K	001-034375	05/05/2015
10.108	Placement Agency Agreement, dated May 5, 2015, by and between Cytori Therapeutics, Inc. and Mizuho Securities USA Inc.		8-K	001-034375	05/05/2015
10.109	Amendment One to Joint Venture Termination Agreement, dated April 30, 2015, by and between Cytori Therapeutics, Inc. and Olympus Corporation.		8-K	001-034375	05/05/2015
10.110	Loan and Security Agreement, dated May 29, 2015, by and between Cytori Therapeutics, Inc. and Oxford Finance, LLC.		10-Q	001-034375	08/10/2015
10.111	Amendment One to the Securities Purchase Agreement between the Company and certain institutional investors dated May 5, 2015.		10-K	001-34375	03/11/2015
10.112#	2015 New Employee Incentive Plan.		8-K	001-034375	01/5/2016
10.113#	Form of Agreement for Acceleration and/or Severance.		10-K	001-34375	03/11/2015
10.114#	Form of Stock Option Agreement under the New Employee Incentive Plan		S-8	333-210211	03/15/2016
10.115#	Form of Notice of Grant of Stock Option under the 2015 New Employee Incentive Plan		S-8	333-210211	03/15/2016
10.116	Amendment Two to Joint Venture Termination Agreement, dated January 8, 2016		10-Q	001-34375	05/10/2016
23.1	Consent of KPMG LLP, Independent Registered Public Accounting Firm .	Х			
23.2	Consent of DLA Piper LLP (US) (included in exhibit 5.1).	Х			
24.1*	Power of Attorney (included on signature page).				
99.1	Form of Instructions as to Use of Subscription Rights Certificates.	Х			
99.2	Form of Letter to Shareholders who are Record Holders.	Х			
99.3	Form of Letter to Brokers, Dealers, Banks and Other Nominees.	Х			

Form of Broker Letter to Clients Who are Beneficial Holders.	Х		
Form of Beneficial Owner Election Form.	Х		
Form of Nominee Holder Certification.	Х		
Form of Notice of Important Tay Information			
Form of Notice of important fax information.			
	Form of Broker Letter to Clients Who are Beneficial Holders. Form of Beneficial Owner Election Form. Form of Nominee Holder Certification. Form of Notice of Important Tax Information.	Form of Beneficial Owner Election Form. X Form of Nominee Holder Certification. X	Form of Beneficial Owner Election Form. X Form of Nominee Holder Certification. X

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Previously filed. Indicates management contract or compensatory plan or arrangement. Confidential treatment has been granted with respect to certain portions of this exhibit. Omitted portions have been filed separately with the Securities and Exchange Commission. +

FORM OF

CYTORI THERAPEUTICS, INC.

DEALER-MANAGER AGREEMENT

_____, 2016

Maxim Group LLC 405 Lexington Avenue New York, NY 10174 *As Dealer-Manager*

Ladies and Gentlemen:

The following will confirm our agreement relating to the proposed rights offering (the "**Rights Offering**") to be undertaken by Cytori Therapeutics, Inc., a Delaware corporation (the "**Company**"), pursuant to which the Company will distribute to holders of record of its common stock, par value \$0.001 per share (the "**Common Stock**"), subscription rights (the "**Rights**") to subscribe for up to an aggregate of 5,000,000 units (the "**Units**"), each Unit consisting of one share of Common Stock (the "**Rights Shares**") and 0.5 of one warrant, with each whole warrant representing the right to purchase one share of Common Stock (the "**Rights Warrants**"), at a subscription price of \$4.00 per Right in cash (the "**Subscription Price**").

1. The Rights Offering.

(a) The Company proposes to undertake the Rights Offering pursuant to which each holder of Common Stock shall receive one Right for each share of Common Stock held of record at the close of business on May 20, 2016 (the "**Record Date**"). Holders of Rights will be entitled to subscribe for and purchase, at the Subscription Price, one (1) Rights Share and 0.5 of a Rights Warrant for each Right held (the "**Basic Subscription Right**"). Rights may only be exercised for whole Right Shares and Rights Warrants; no fractional securities will be issued in the Rights Offering.

(b) The Rights will not trade or be listed for quotation on any exchange or service, and shall be non-transferable.

(c) Any holder of Rights who fully exercises all Basic Subscription Rights issued to such holder is entitled to subscribe for Units which were not otherwise subscribed for by others pursuant to their Basic Subscription Rights (the "**Over-Subscription Right**"). The Over-Subscription Right shall allow a holder of a Right to subscribe for an additional amount of Units above the amount which such holder was otherwise entitled to subscribe. Units acquired pursuant to the Over-Subscription Right are subject to allotment, as more fully discussed in the Prospectus (as defined herein).

(d) The Rights will expire at 5:00 p.m., New York City time, on June 9, 2016 (the "**Expiration Date**"). The Company shall have the right to extend the Expiration Date in its sole discretion. Any Rights not exercised on or before the Expiration Date will expire worthless without any payment to the holders of unexercised Rights.

(e) All funds from the exercise of Basic Subscription Rights and Over-Subscription Rights will be deposited with Broadridge Corporate Issuer Solutions, Inc. ("**Broadridge**"), as subscription agent (in this context, the "**Subscription Agent**"), and held in a segregated account with the Subscription Agent pending a final determination of the number of Rights Shares and Rights Warrants to be issued pursuant to the exercise of Basic Subscription Rights and Over-Subscription Rights. The Company may conduct a closing of the Rights Offering (a "**Closing**") at its sole discretion at any time following the Expiration Date.

2. <u>Appointment as Dealer-Manager; Role of Dealer-Manager</u>.

(a) On the terms and conditions set forth herein, the Company hereby appoints Maxim Group LLC ("**Maxim**") as the dealer-manager (the "**Dealer-Manager**") for the Rights Offering and authorizes the Dealer-Manager to act as such in connection with the Rights Offering.

(b) The services previously provided by the Dealer-Manager under that certain engagement letter, dated April 1, 2016, between the Company and the Dealer-Manager (as amended, the "**Engagement Letter**"), or to be provided by the Dealer-Manager through the Closing, consist of the following:

(i) providing market assistance in connection with the conduct of the Rights Offering (which shall include assisting the Company in drafting a presentation that may be used to market the Rights Offering to investors and assistance in the coordination of the Rights Offering together with Broadridge);

(ii) providing financial advice to the Company in connection with the Rights Offering (including advice regarding the structure, pricing, timing and other terms and conditions of the Rights Offering);

(iii) responding to requests for information and materials in connection with the Rights Offering (it being agreed that Broadridge (in this capacity, as the "**Information Agent**") will be the Company's primary third party source of information regarding the Rights Offering and

will be identified by the Company as such in the Registration Statement) (the services described in clauses (i), (ii) and (iii) being collectively referred to as the "Advisory Services"); and

(iv) in accordance with customary practice, using best efforts to solicit the exercise of the Rights and subscriptions for the Units pursuant to the Offer Documents (the services described in this clause (iv) being referred to as the "**Solicitation Services**");

(c) The services of the Dealer-Manager described in clauses (b)(iii) and (iv) above shall commence on the date that the Registration Statement is declared effective by the U.S. Securities and Exchange Commission (the "**Commission**"). The Company hereby authorizes the Dealer-Manager, or one or more registered broker-dealers chosen exclusively by the Dealer-Manager, to act as the Company's agent in making the Rights Offering to residents of such states as to which such agent designation may be necessary to comply with applicable law.

(d) The Company hereby acknowledges that Maxim is acting only as a dealer-manager in connection with the Rights Offering. The Dealer-Manager shall not (and shall not be obligated to) underwrite or place any Rights or any Rights Shares or Rights Warrants, and the Company acknowledges and agrees that Maxim's participation as Dealer-Manager does not ensure or guarantee that the Company will raise any funds through the Rights Offering.

(e) The Company further acknowledges that Maxim is acting as an independent contractor pursuant to a contractual relationship created solely by this Agreement entered into on an arm's length basis and in no event do the parties intend that Maxim act or be responsible as a fiduciary to the Company, its management, shareholders, creditors or any other natural person, partnership, limited liability partnership, corporation, limited liability company, business trust, joint stock company, trust, unincorporated association, joint venture, or other entity or organization (each, a "**Person**") in connection with any activity that Maxim may undertake or has undertaken in furtherance of the Rights Offering, either before or after the date hereof. Maxim hereby expressly disclaims any fiduciary or similar obligations to the Company, either in connection with the transactions contemplated by this Agreement or any matters leading up to such transactions, and the Company hereby confirms its understanding and agreement to that effect. The Company and Maxim agree that they are each responsible for making their own independent judgments with respect to any such transactions, and that any opinions or views expressed by Maxim to the Company regarding such transactions, including but not limited to any opinions or views with respect to the price or market for the Company's securities, do not constitute advice or recommendations to the Company. The Company hereby waives and releases, to the fullest extent permitted by law, any claims that the Company may have against Maxim with respect to any breach or alleged breach of any fiduciary or similar duty to the Company in connection with the transactions contemplated by this Agreement or any matters leading up to such transactions.

3. No Liability for Acts of Brokers, Dealers, Banks and Trust Companies. The Dealer-Manager shall not be subject to any liability to the Company (or any of the Company's Subsidiaries (as defined below) or "Affiliates," as such term is defined in Rule 144 under the Securities Act of 1933, as amended (the "**Securities Act**"), for any act or omission on the part of any broker or dealer in securities (other than the Dealer-Manager) or any bank or trust company or any other Person, and the Dealer-Manager shall not be liable for its own acts or omissions in performing its obligations as advisor or Dealer-Manager hereunder or otherwise in connection with the Rights Offering or the related transactions, except for any losses, claims, damages, liabilities and expenses determined in a final judgment by a court of competent jurisdiction to have resulted directly from any such acts or omissions undertaken or omitted to be taken by the Dealer-Manager through its gross negligence, intentional omission or willful misconduct. In soliciting or obtaining exercises of Rights, the Dealer-Manager shall not be deemed to be acting as the agent of the Company or as the agent of any broker, dealer, bank or trust company, and no broker, dealer, bank or trust company shall be deemed to be acting as the Dealer-Manager's agent or as the agent of the Company. As used herein, the term "Subsidiary" means a significant subsidiary of the Company as defined as defined in Rule 1-02 (w) of Regulation S-X of the Securities Exchange Act of 1934, as amended (the "**Exchange Act**"). Unless the context specifically requires otherwise, the term "Company" as used in this Agreement means the Company and its Subsidiaries collectively on a consolidated basis.

4. <u>The Offer Documents</u>.

(a) There will be used in connection with the Rights Offering certain materials in addition to the Registration Statement, any Preliminary Prospectus or the Prospectus (each as defined herein), including: (i) all exhibits to the Registration Statement which pertain to the conduct of the Rights Offering; and (ii) any soliciting materials relating to the Rights Offering approved by the Company (collectively with the Registration Statement, any Preliminary Prospectus and the Prospectus, the "**Offer Documents**"). The Dealer-Manager shall be given such opportunity to review and comment upon the Offer Documents.

(b) The Company agrees to furnish the Dealer-Manager with as many copies as it may reasonably request of the final forms of the Offer Documents and the Dealer-Manager is authorized to use copies of the Offer Documents in connection with its acting as Dealer-Manager. The Dealer-Manager hereby agrees that it will not disseminate any written material for or in connection with the solicitation of exercises of Rights pursuant to the Rights Offering other than the Offer Documents.

(c) The Company represents and agrees that no solicitation material, other than the Offer Documents and the documents to be filed therewith as exhibits thereto (each in the form of which has been approved by the Dealer-Manager), will be used in connection with the Rights Offering by or on behalf of the Company without the prior approval of the Dealer-Manager, which approval will not be unreasonably withheld. In the event that the Company uses or permits the use of any such solicitation material in connection with the Rights Offering, then the Dealer-Manager shall be entitled to withdraw as Dealer-Manager in connection with the Rights Offering and the related transactions without any liability or penalty to the Dealer-Manager or any other Person identified in Section 11 hereof as an "indemnified party," and the Dealer-Manager shall be entitled to receive the payment of all fees and expenses payable under this Agreement or the Engagement Letter which have accrued to the date of such withdrawal.

5. <u>Representations and Warranties</u>. The Company represents and warrants to the Dealer-Manager that:

(a) The Registration Statement on Form S-1 (Registration No. 333-210628) with respect to the Rights, the Units, the Rights Shares and the Rights Warrants has: (i) been prepared by the Company in conformity with, in all material respects, the requirements of the Securities Act and the rules

and regulations of the Commission (the "Rules and Regulations") promulgated under the Securities Act; (ii) been filed with the Commission under the Securities Act; and (iii) become effective under the Securities Act¹. Copies of such Registration Statement as amended to date have been delivered or made available by the Company to the Dealer-Manager. For purposes of this Agreement, "Effective Time" means the date and the time as of which such registration statement, or the most recent post-effective amendment thereto, if any, was declared effective by the Commission; "Effective Date" means the date of the Effective Time; "Preliminary Prospectus" means each prospectus included in such registration statement, or amendments thereof, before it becomes effective under the Securities Act and any prospectus filed with the Commission by the Company with the consent of the Dealer-Manager pursuant to Rule 424(a) of the Rules and Regulations; "Registration Statement" means such Registration Statement, as amended at the Effective Time, including any documents which are exhibits thereto; and "Prospectus" means such final prospectus, as first filed with the Commission pursuant to paragraph (1) or (4) of Rule 424(b) of the Rules and Regulations. The Commission has not issued any order preventing or suspending the use of any Preliminary Prospectus or the Prospectus. All references in this Agreement to the Registration Statement, a Preliminary Prospectus, and the Prospectus, or any amendments or supplements to any of the foregoing shall be deemed to include any copy thereof filed with the Commission pursuant to its Electronic Data Gathering, Analysis and Retrieval System ("EDGAR"). Additionally, any reference in this Agreement to the Registration Statement, any Preliminary Prospectus or the Prospectus shall be deemed to refer to and include the documents incorporated by reference therein pursuant to Item 12 of Form S-1 under the Securities Act, as of the effective date of the Registration Statement or the date of such Preliminary Prospectus or the Prospectus, as the case may be. The Prospectus delivered to the Dealer-Manager for use in connection with the Rights Offering will be identical to the electronically transmitted copies thereof filed with the Commission pursuant to EDGAR, except to the extent permitted by Regulation S-T promulgated by the Commission.

(b) The Registration Statement (together with all exhibits filed as part of the Registration Statement) conforms, and any Preliminary Prospectus and the Prospectus and any further amendments or supplements to the Registration Statement conforms or will conform, when they are filed with or become effective by the Commission, as the case may be, in each case, in all material respects, to the requirements of the Securities Act and the Rules and Regulations and collectively do not and will not, as of the applicable Effective Date (as to the Registration Statement and any amendment thereto) and as of the applicable filing date (as to the Prospectus and any amendment or supplement thereto) 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 (with respect to the Prospectus, in the light of the circumstances under which they were made) not misleading; provided that no representation or warranty is made by

the Company as to information contained in or omitted from the Registration Statement or the Prospectus in reliance upon and in conformity with written information furnished to the Company by or on behalf of the Dealer-Manager specifically for inclusion therein, it being acknowledged and agreed that such information provided by or on behalf of the Dealer-Manager consists solely and exclusively of the following disclosure contained in the Prospectus (collectively, the "**Dealer-Manager Information**"): (i) the name of Maxim acting in its capacity as dealer-manager for the Rights Offering and (ii) "The Rights Offering — Distribution Arrangements."

(c) Neither: (i) any Issuer-Represented General Free Writing Prospectus(es) (as defined below) issued at or prior to the Closing and the Prospectus, all considered together (collectively, the "**General Disclosure Package**"), nor (ii) any individual Issuer-Represented Limited-Use Free Writing Prospectus(es) (as defined below), when considered together with the General Disclosure Package, includes or will include as of the Closing any untrue statement of a material fact or omits or will omit as of the Closing to state any material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading. The preceding sentence does not apply to statements in or omissions from any Prospectus included in the Registration Statement, the General Disclosure Package or any Issuer-Represented Limited-Use Free Writing Prospectus (as defined below) in conformity with written the Dealer-Manager Information.

(d) Each Issuer-Represented Free Writing Prospectus, if any, as of its issue date and at all subsequent times until the Closing or until any earlier date that the Company notified or notifies the Dealer-Manager as described in the next sentence, did not, does not and will not include any information that conflicted, conflicts or will conflict with the information contained in the then-current Registration Statement or Prospectus. If at any time following issuance of an Issuer-Represented Free Writing Prospectus there occurred or occurs an event or development as a result of which such Issuer-Represented Free Writing or until any the information contained in the then-current Registration Statement or Prospectus relating to the Securities or included or would include an untrue statement of a material fact or omitted or would omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances prevailing at that subsequent time, not misleading, the Company has notified or will notify promptly the Dealer-Manager so that any use of such Issuer-Represented Free Writing Prospectus may cease until it is promptly amended or supplemented by the Company, at its own expense, to eliminate or correct such conflict, untrue statement or omission.

(e) The Company has not distributed and will not distribute any prospectus or other offering material in connection with the offering and sale of the Securities other than the General Disclosure Package, any Issuer-Represented Limited-Use Free Writing Prospectus or the Prospectus or other materials permitted by the Securities Act to be distributed by the Company. Unless the Company obtains the prior consent of the Dealer-Manager, the Company has not made and will not make any offer relating to the Securities that would constitute an "issuer free writing prospectus," as defined in Rule 433 under the Securities Act, or that would otherwise constitute a "free writing prospectus," as defined in Rule 405 under the Securities Act, required to be filed with the Commission; provided that the prior written consent of the Dealer-Manager shall be deemed to have been given in respect of any free writing prospectus referenced on

Schedule I attached hereto. The Company has complied and will comply with the requirements of Rules 164 and 433 under the Securities Act applicable to any Issuer-Represented Free Writing Prospectus as of its issue date and at all subsequent times through the Closing, including timely filing with the Commission where required, legending and record keeping. To the extent an electronic road show is used, the Company has satisfied and will satisfy the conditions in Rule 433 under the Securities Act to avoid a requirement to file with the Commission any electronic road show.

(f) There are no contracts, agreements, plans or other documents which are required to be described in the Prospectus or filed as exhibits to the Registration Statement by the Securities Act or by the Rules and Regulations which have not been described in the Prospectus or filed as exhibits to the Registration Statement or referred to in, or incorporated by reference into, the exhibit table of the Registration Statement as permitted by the Rules and Regulations.

(g) The Company and each of its Subsidiaries have been duly incorporated and are validly existing as corporations in good standing under the laws of their respective jurisdictions of incorporation, are duly qualified to do business and are in good standing as foreign corporations in each jurisdiction in which their respective ownership or lease of property or the conduct of their respective businesses requires such qualification, and have all

power and authority necessary to own or hold their respective properties and to conduct the businesses in which they are engaged, except where the absence of such power or authority (either individually and in the aggregate) could not reasonably be expected to have a material adverse effect on: (i) the business, condition (financial or otherwise), results of operations, shareholders' equity, properties or prospects (as such prospects are disclosed or described in the Prospectus) of the Company or its Subsidiaries; (ii) the long-term debt or capital stock of the Company or its Subsidiaries; or (iii) the Offering or consummation of any of the other transactions contemplated by this Agreement, the Registration Statement or the Prospectus (any such effect being a "**Material Adverse Effect**").

(h) This Agreement has been duly authorized, executed and delivered by the Company and, assuming the due authorization, execution and delivery by the Dealer-Manager, constitutes the valid and legally binding agreement of the Company, enforceable against the Company in accordance with its terms, except as the enforceability thereof may be limited by bankruptcy, insolvency, reorganization, moratorium or similar laws relating to or affecting creditors' rights generally and by general principles of equity.

(i) Neither the Company nor any of its Subsidiaries: (i) is in violation of its charter or by-laws, (ii) in default under or in breach of, and no event has occurred which, with notice or lapse of time or both, would constitute a default or breach under or result in the creation or imposition of any lien, charge, mortgage, pledge, security interest, claim, equity, trust or other encumbrance, preferential arrangement, defect or restriction of any kind whatsoever (each, a "**Lien**") upon any of their property or assets pursuant to, any material contract (including Government Contracts (as defined below), agreement, indenture, mortgage, deed of trust, loan agreement or other agreement or instrument to which it is a party or by which it is bound or to which any of its properties or assets is subject or (iii) is in violation in any respect of any law, rule, regulation, ordinance, directive, judgment, decree or order, foreign and domestic, to which it or its properties or assets may be subject or has failed to obtain any material license, permit, certificate, franchise or other governmental authorization or permit necessary to the ownership of its properties or assets or to the conduct of its business, except, in the case of clauses (ii) and (iii) above, any violation, default or failure to possess the same that would not have a Material Adverse Effect.

Each Government Contract is in full force and effect and constitutes a legal, valid and binding agreement, enforceable in accordance with its terms against all parties thereto and was awarded in compliance with applicable Law (as defined below). The Company has complied in all material respects with all terms and conditions of each Government Contract, including all clauses, provisions and requirements incorporated expressly by reference or by operation of Law therein and including any requirements relating to the charging of prices or costs, minimum qualifications of personnel and warranties. No Government Contract has, to date, or is currently projected to have, fully burdened costs incurred in excess of the Government Contract fixed price, or, in the case of flexibly-priced or cost-reimbursement contracts, fully burdened costs incurred in excess of the ceiling price or funded amount of the Government Contract. The Company is not aware of any adverse or negative past performance evaluations or ratings pertaining to any Government Contract. There has not been any withholding or setoff of any payments by a Governmental Authority or prime contractor or higher-tier subcontractor nor, to the Company's knowledge, has there been any attempt to withhold or setoff, any payments due under any Government Contract on any basis, including the basis that a cost incurred or invoice rendered by the Company was questioned or disallowed by a Governmental Authority, prime contractor or higher-tier subcontractor or any of their audit representatives, nor is there any basis for any such withhold or setoff. "Government Contract" means any material prime contract, subcontract, teaming agreement or arrangement, joint venture, basic ordering agreement, blanket purchase agreement, pricing agreement, letter contract, contract awarded under the Federal Supply Schedule program, purchase order, task order or delivery order or other Contract or similar arrangement of any kind, between the Company and (a) any Governmental Authority, (b) any prime contractor of a Governmental Authority in its capacity as a prime contractor, or (c) any subcontractor (or lower tier subcontractor) with respect to any contract of a type described in clauses (a) or (b) above. "Governmental Authority" means any federal, state, local, foreign or other governmental, quasi-governmental or administrative body, instrumentality, department or agency or any court, tribunal, administrative hearing body, arbitration panel, commission, or other similar dispute resolving panel or body and shall include any Person acting on behalf of a such Governmental Authority. "Law" means any federal, state, local, municipal, foreign or other law, statute, legislation, principle of common law, ordinance, code, edict, decree, proclamation, treaty, convention, rule, regulation, directive, requirement, writ, injunction, settlement, Permit or Order that is or has been issued, enacted, adopted, passed, approved, promulgated, made, implemented or otherwise put into effect by or under the authority of any Governmental Authority.

(j) Prior to or on the date hereof the Company and Broadridge have or will have entered into a subscription and information agent agreement (the "**Agent Agreement**"). When executed by the Company, the Agent Agreement will have been duly authorized, executed and delivered by the Company and, assuming due authorization, execution and delivery by Broadridge will constitute a valid and legally binding agreement of the Company enforceable in accordance with its terms, except as the enforceability thereof may be limited by bankruptcy, insolvency, reorganization, moratorium or similar laws relating to or affecting creditors' rights generally and by general principles of equity.

(k) The Rights to be issued and distributed by the Company have been duly and validly authorized and, when issued and delivered in accordance with the terms of the Offer Documents, will be duly and validly issued, and will constitute valid and legally binding obligations of the Company enforceable against the Company in accordance with their terms, no holder of the Rights is or will be subject to personal liability by reason of being such a holder, and the Rights conform to the description thereof contained in the Prospectus.

(1) The Rights Warrants conform to the description thereof in the Registration Statement and in the Prospectus and, when issued and delivered by the Company in accordance with the terms of the Offer Documents, will be duly and validly issued, and will constitute valid and legally binding obligations of the Company enforceable against the Company in accordance with their terms. The shares of Common Stock issuable upon exercise of the Rights Warrants have been duly authorized and reserved for issuance upon exercise of the Rights Warrants by all necessary corporate action on the part of the Company and, when issued and delivered and paid for upon such exercise in accordance with the terms of the Rights Warrants, will be validly issued, fully paid, nonassessable and free of preemptive rights and will conform to the description thereof in the Prospectus.

(m) Except as disclosed in the Prospectus with respect to the Company's authorized capitalization, the Rights Shares have been duly and validly authorized and reserved for issuance upon exercise of the Rights and are free of statutory and contractual preemptive rights and are sufficient in number to meet the exercise requirements of the Rights Offering; and Rights Shares, when so issued and delivered against payment therefor in accordance with the terms of the Rights Offering, will be duly and validly issued, fully paid and non-assessable, with no personal liability attaching to the ownership thereof, and will conform to the description thereof contained in the Prospectus.

(n) The Common Stock is listed for trading on the NASDAQ Capital Market ("**NASDAQ**"). Except as set forth in the Registration Statement, the Company has not received an oral or written notification from NASDAQ or any court or any other federal, state, local or foreign governmental or regulatory authority having jurisdiction over the Company or any of its Subsidiaries or any of their properties or assets ("**Governmental Authority**") of any inquiry or investigation or other action that would cause the Common Stock, the Rights Shares or the Rights Warrants to not be listed for trading on NASDAQ.

(o) The Company has an authorized capitalization as set forth under the caption "Description of Securities" in the Prospectus and all of the issued shares of capital stock of the Company have been duly and validly authorized and issued, are fully paid and non-assessable and have been issued in compliance with federal and state securities laws. None of the outstanding shares of the Company capital stock were issued in violation of any preemptive rights, rights of first refusal or other similar rights to subscribe for or purchase securities of the Company. There are no authorized or outstanding options, warrants, preemptive rights, rights of first refusal or other rights to purchase, or equity or debt securities convertible into or exchangeable or exercisable for, any capital stock of the Company or any of its subsidiaries other than those accurately described in the Registration Statement. The description of the Company's stock option, stock bonus and other stock plans or arrangements, and the options or other rights granted thereunder, set forth in the Registration Statement accurately and fairly presents in all material respects the information required to be shown with respect to such plans, arrangements, options and rights.

(p) The Company and its Subsidiaries own or lease all such assets or properties as are necessary to the conduct of its business as presently operated and as proposed to be operated as described in the Registration and the Prospectus. The Company or its Subsidiaries have good and marketable title in fee simple to all assets or real property and good and marketable title to all personal property owned by them, in each case free and clear of any Lien, except for such (i) Liens as are described in the Registration Statement and the Prospectus, (ii) Liens as do not materially affect the value of such property and do not materially interfere with the use made and proposed to be made of such property by the Company and the Subsidiaries and (iii) Liens for the payment of federal, state or other taxes, for which appropriate reserves have been made in accordance with GAAP, and the payment of which is neither delinquent nor subject to penalties. Any assets or real property and buildings held under lease or sublease by the Company or any Subsidiary is held under valid, subsisting and enforceable leases with such exceptions as are not material to, and do not interfere with, the use made and proposed to be made of such property and buildings by the Company or such Subsidiary. Neither the Company nor any Subsidiary has received any notice of any material claim adverse to its ownership of any real or personal property or of any material claim against the continued possession of any real property, whether owned or held under lease or sublease by the Company or any Subsidiary.

The Company and each of its Subsidiaries have all material consents, approvals, authorizations, orders, registrations, qualifications, (q) licenses, filings and permits of, with and from all judicial, regulatory and other Governmental Authorities and all third parties, foreign and domestic, including, without limitation, those administered by the U.S. Food and Drug Administration of the U.S. Department of Health and Human Services ("FDA"), the European Medicines Agency ("EMEA"), Japanese Ministry of Health, Labor and Welfare ("JMHLW") or by any foreign, federal, state or local governmental or regulatory authority performing functions similar to those performed by the FDA, EMEA or JMHLW (collectively, with the Licensing Requirements described below, the "Consents"), to own, lease and operate their properties and conduct their businesses as presently being conducted and as disclosed in the Registration Statement and the Prospectus, and, to the Company's knowledge, each such Consent is valid and in full force and effect. The Company has not received notice of any investigation or proceedings which results in or, if decided adversely to the Company, would reasonably be expected to result in the revocation of any Consent or would reasonably be expected to have a Material Adverse Effect. No Consent contains a materially burdensome restriction not adequately disclosed in the Registration Statement and the Prospectus. To the Company's knowledge, the Company and its Subsidiaries are in compliance with all such Consents, and all such Consents are valid and in full force and effect. Neither the Company nor any Subsidiary has received notification of any revocation, suspension, termination or invalidation (or proceedings related thereto) of any such Consent and, to the Company's knowledge after reasonable investigation, no event has occurred that allows or results in, or after notice or lapse of time or both would allow or result in, revocation, suspension, termination or invalidation (or proceedings related thereto) of any such Consent and the Company has no reason to believe that any such Consent will not be renewed (if renewal is required).

(r) The execution, delivery and performance of this Agreement by the Company, the issuance of the Rights in accordance with the terms of the Offer Documents, the issuance of Rights Shares and the Rights Warrants in accordance with the terms of the Rights Offering, and the consummation by the Company of the transactions contemplated hereby, the Agent Agreement, will not conflict with or result in a breach or violation of any of the terms or provisions of, or constitute a default under, any material indenture, mortgage, deed of trust, loan agreement or other material agreement or instrument to which the Company or any of its Subsidiaries or any of its Affiliates is a party or by which the Company or any of its Subsidiaries or its Affiliates is bound or to which any of the properties or assets of the Company or any of its Subsidiaries or any statute or any order, rule or regulation of any Governmental Authority, except where such violation would not reasonably be expected to have a Material Adverse Effect; and except for the registration of the Rights, Rights Shares and the Rights Warrants under the Securities Act and such consents, approvals, authorizations, registrations or qualifications as may be required under the Exchange Act and applicable state securities laws in connection with the distribution of the Rights and the sale of the Rights Shares and Rights Warrants by the Company, no consent, approval, authorization or order of, or filing or registration with, any such court or Governmental Authority is required for the execution, delivery and performance of this Agreement by the Company and the consummation by it of the transactions contemplated hereby.

(s) Except as otherwise set forth in the Registration Statement and the Prospectus, there are no contracts, agreements or understandings between the Company and any Person granting such Person the right to require the Company to file a registration statement under the Securities Act with respect to any securities of the Company owned or to be owned by such Person or to require the Company to include such securities in the securities registered pursuant to the Registration Statement or in any securities being registered pursuant to any other registration statement filed by the Company under the Securities Act. No holder of any security of the Company has any rights of rescission of similar rights with respect to such securities held by them.

(t) Neither the Company nor any of its Subsidiaries has sustained, since the date of the latest balance sheet included in the Prospectus or after such date and as disclosed in the Prospectus, any material loss or interference with its business from fire, explosion, flood or other calamity, whether or not covered by insurance, or from any labor dispute or court or governmental action, order or decree; and, since such date or after such date and as disclosed in the Prospectus, there has not been any change in the capital stock or long-term debt of the Company or any of its Subsidiaries or any material adverse change, or any development involving a prospective material adverse change, in or affecting the general affairs, management, financial position, stockholders'

equity, results of operations or prospects (as such prospects are disclosed or described in the Prospectus) of the Company and its Subsidiaries (a "**Material Adverse Change**"). Since the date of the latest balance sheet presented in the Prospectus, the Company has not incurred or undertaken any liabilities or obligations, whether direct or indirect, liquidated or contingent, matured or unmatured, or entered into any transactions, including any acquisition or disposition of any business or asset, which are material to the Company, except for liabilities, obligations and transactions which are disclosed in the Registration Statement, any Preliminary Prospectus and the Prospectus.

(u) KPMG LLP ("**KPMG**"), whose reports relating to the Company are included in the Registration Statement, are independent public accountants as required by the Securities Act, the Exchange Act, the Rules and Regulations and the rules and regulations promulgated by the Public Company Accounting Oversight Board (the "**PCAOB**"). KPMG is duly registered and in good standing with the PCAOB. KPMG has not, during the periods covered by the financial statements included in the Registration Statement, the Preliminary Prospectus and the Prospectus, provided to the Company any non-audit services, as such term is used in Section 10A(g) of the Exchange Act.

(v) The financial statements, including the notes thereto, and any supporting schedules included in the Registration Statement, any Preliminary Prospectus and the Prospectus present fairly, in all material respects, the financial position as of the dates indicated and the cash flows and results of operations for the periods specified of the Company. Except as otherwise stated in the Registration Statement, any Preliminary Prospectus and the Prospectus and the Prospectus, said financial statements have been prepared in conformity with United States generally accepted accounting principles applied on a consistent basis throughout the periods involved. Any supporting schedules included in the Registration Statement, any Preliminary Prospectus and the Prospectus present fairly, in all material respects, the information required to be stated therein. No other financial statements or supporting schedules are required to be included or incorporated by reference in the Registration Statement. The other financial and statistical information included in the Registration Statement, any Preliminary Prospectus and the Prospectus present fairly, in all material respects, the information included therein and have been prepared on a basis consistent with that of the financial statements that are included in the Registration Statement, such Preliminary Prospectus and the Prospectus and the books and records of the respective entities presented therein.

(w) There are no proforma or as adjusted financial statements which are required to be included in the Registration Statement, any Preliminary Prospectus and the Prospectus in accordance with Regulation S-X under the Securities Act which have not been included as so required. The proforma and/or as adjusted financial information included in the Registration Statement, any Preliminary Prospectus and the Prospectus has been properly compiled and prepared in accordance with the applicable requirements of the Securities Act and the Rules and Regulations and include all adjustments necessary to present fairly, in all material respects, in accordance with generally accepted accounting principles the proforma and as adjusted financial position of the respective entity or entities presented therein at the respective dates indicated and their cash flows and the results of operations for the respective periods specified. The assumptions used in preparing the proforma and as adjusted financial information included in the Registration sore events described therein. The related proforma and proforma as adjusted adjustments give appropriate effect to those assumptions; and the proforma and proforma and proforma as adjusted adjustments to the corresponding historical financial statement amounts.

(x) The statistical, industry-related and market-related data included in the Registration Statement, any Preliminary Prospectus and the Prospectus are based on or derived from sources which the Company reasonably believes are reliable and accurate, and such data agree with the sources from which they are derived. All required third party consents have been obtained in order for such data to be included in the Registration Statement, any Preliminary Prospectus and the Prospectus.

(y) Except as disclosed in the Registration Statement and the Prospectus, the Company maintains a system of internal accounting and other controls sufficient to provide reasonable assurances that: (i) transactions are executed in accordance with management's general or specific authorizations, (ii) transactions are recorded as necessary to permit preparation of financial statements in conformity with United States generally accepted accounting principles and to maintain accountability for assets, (iii) access to assets is permitted only in accordance with management's general or specific authorization, and (iv) the recorded accounting for assets is compared with existing assets at reasonable intervals and appropriate action is taken with respect to any differences.

(z) The Company's Board of Directors has validly appointed an audit committee and compensation committee whose composition satisfies the requirements of the rules and regulations of the Commission and NASDAQ and the Company's Board of Directors and/or audit committee and the compensation committee has each adopted a charter and such charters are in full force and effect as of the date hereof. Neither the Company's Board of Directors nor the audit committee thereof has been informed, nor is any director of the Company aware, of: (i) except as disclosed in the Registration Statement and the Prospectus, any significant deficiencies or material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the Company's ability to record, process, summarize and report financial information; or (ii) any fraud, whether or not material, that involves management or other employees who have a significant role in the Company's internal control over financial reporting.

(a) The Company is in material compliance with the provisions of the Sarbanes-Oxley Act of 2002, as amended ("**Sarb-Ox**") applicable to the Company, and the rules and regulations promulgated thereunder and related or similar rules and regulations promulgated by any other Governmental Authority or self-regulatory entity or agency, except for violations which, singly or in the aggregate, are disclosed in the Prospectus or would not have a Material Adverse Effect.

(bb) No relationship, direct or indirect, exists between or among any of the Company or any Affiliate of the Company, on the one hand, and any director, officer, shareholder, customer or supplier of the Company or any Affiliate of the Company, on the other hand, which is required by the Securities Act, the Exchange Act or the Rules and Regulations to be described in the Registration Statement or the Prospectus which is not so described as required. Except as disclosed in the Registration Statement and the Prospectus, there are no outstanding loans, advances (except normal advances for business) expenses in the ordinary course of business) or guarantees of indebtedness by the Company to or for the benefit of any of the officers or directors of the Company or any of their respective family members. The Company has not, in violation of Sarb-Ox, directly or indirectly, including through any Affiliate of the Company (other than as permitted under the Sarb-Ox for depositary institutions), extended or maintained credit, arranged for the extension of credit, or renewed an extension of credit, in the form of a personal loan to or for any director or executive officer of the Company.

(cc) Except as described in the Prospectus, there are no legal or governmental proceedings pending to which the Company or any of its Subsidiaries is a party or of which any property or asset of the Company or any of its Subsidiaries is the subject, including without limitation any proceeding before the FDA, the EMEA, the JMHLW or comparable federal, state, local or foreign governmental bodies (it being understood that the interaction between the Company and the FDA, the EMEA, the JMHLW and such comparable governmental bodies relating to the clinical development and product approval process shall not be deemed proceedings for purposes of this representation), which, if determined adversely to the Company or any of its Subsidiaries, are reasonably likely to have a Material Adverse Effect; and to the Company's knowledge, except as disclosed in the Prospectus, no such proceedings are threatened or contemplated by Governmental Authorities or threatened by others. The Company has not received any written cure notice or show cause notice regarding performance of a Government Contract or any written or oral notice of, any claim, action, litigation, inquiry, proceeding (arbitral, administrative, legal or otherwise, including any informal proceeding), cause of action, audit, suit, settlement, stipulation, hearing, investigation, charge, complaint, demand or similar matter, for, or assertion of, a condition of default, breach of contract, or material violation of applicable Law, in connection with a Government Contract.

(dd) The Company and its Subsidiaries have filed all necessary federal, state and foreign income and franchise tax returns and have paid all taxes required to be paid by any of them and, if due and payable, any related or similar assessment, fine or penalty levied against any of them, except where the failure to make such filings or make such payments, either individually or in the aggregate, could not reasonably be expected to have, a Material Adverse Effect. The Company has made adequate charges, accruals and reserves in its financial statements above in respect of all federal, state and foreign income and franchise taxes for all periods as to which the tax liability of the Company or any of its Subsidiaries has not been finally determined.

(ee) Each of the Company and its Subsidiaries maintains insurance of the types and in the amounts which the Company believes to be reasonable and sufficient for a company of its size operating in the Company's industry, including, but not limited to: (i) directors' and officers' insurance (including insurance covering the Company, its directors and officers for liabilities or losses arising in connection with the Rights Offering, including, without limitation, liabilities or losses arising under the Securities Act, the Exchange Act, the Rules and Regulations and applicable foreign securities laws), (ii) insurance covering real and personal property owned or leased against theft, damage, destruction, acts of vandalism and all other risks customarily insured against, (iii) business interruption insurance and (iv) product-related or clinical trial-related insurance. There are no material claims by the Company or any of its Subsidiaries under any policy or instrument described in this paragraph as to which any insurance company is denying liability or defending under a reservation of rights clause. All of the insurance policies described in this paragraph are in full force and effect. Neither the Company nor any of its Subsidiaries has been refused any insurance coverage sought or applied for, and the Company has no reason to believe that it will not be able to renew its existing insurance coverage as and when such coverage expires or to obtain similar coverage from similar insurers as may be necessary to continue its business at a cost that would not have a Material Adverse Effect.

(ff) Intellectual Property.

(i) The Company owns, licenses or possess the right to use sufficient trademarks, trade names, patents, patent rights, copyrights, domain names, licenses, approvals, trade secrets, inventions, technology, know-how and other similar rights (collectively, "**Intellectual Property Rights**") as are reasonably necessary or material to conduct its business as now conducted and contemplated to be conducted, each as described in the Registration Statement, any Preliminary Prospectus and the Prospectus. To the Company's knowledge, all Intellectual Property Rights are valid and enforceable.

(ii) Except as set forth in the Registration Statement, any Preliminary Prospectus and the Prospectus: (A) there is no actual, pending or, to the Company's knowledge, threatened action, suit, proceeding, or claim by others challenging the rights of the Company and its Subsidiaries and Affiliates in or to any Intellectual Property Rights, and the Company is unaware of any facts which would form a reasonable basis for any such claim; (B) there is no actual, pending or, to the Company's knowledge, threatened action, suit, proceeding, or claim by others that the Company or its Subsidiaries or Affiliates infringes, misappropriates, or otherwise violates any Intellectual Property Rights of others, and the Company is unaware of any facts which would form a reasonable basis for any such claim; (C) there is no actual, pending or, to the Company's knowledge, threatened action, suit, proceeding, or claim by others challenging the validity or scope of any such Intellectual Property Rights owned by the Company or its Subsidiaries or Affiliates and the Company is unaware of any facts which would form a reasonable basis for any such claim; (D) to the Company's knowledge, the operation of the business of the Company, its Subsidiaries and its Affiliates as now conducted and in connection with the development and commercialization of its technology described in the Registration Statement, any Preliminary Prospectus and the Prospectus does not infringe any claim of any patent or published patent application nor would such infringement, misappropriation or violation arise upon the commercialization of any product or service described in the Registration Statement, any Preliminary Prospectus and the Prospectus as under development; (E) to the Company's knowledge, there is no "prior art" of which the Company is aware that may render any patent owned or licensed by the Company invalid or any patent application owned or licensed by the Company or its Subsidiaries or Affiliates unpatentable which has not been disclosed to the applicable government patent office; and (F) the patents, trademarks, and copyrights maintained by the Company or its Subsidiaries or Affiliates are in full force and in effect, and none of such patents, trademarks and copyrights have been adjudged invalid or unenforceable in whole or in part. Neither the Company nor its Subsidiaries or Affiliates is a party to or bound by any options, licenses or agreements with respect to the Intellectual Property Rights of any other Person that are required to be set forth in the Registration Statement, any Preliminary Prospectus and Prospectus and are not described therein in all material respects.

(iii) The Company has duly and properly filed or caused to be filed with the U. S. Patent and Trademark Office (the "**PTO**") and applicable foreign and international patent authorities all patent applications owned by the Company, its Subsidiaries or Affiliates (the "**Company Patent Applications**"). The product candidates described in the Registration Statement, any Preliminary Prospectus and the Prospectus as under development by the Company fall within the scope of the claims of one or more patents or patent applications owned by, or exclusively licensed to, the Company. The Company has complied in all material respects with the PTO's duty of candor and disclosure for the Company Patent Applications and has made no material misrepresentation in the Company Patent Applications. The Company Patent Applications disclose patentable subject matters, and the Company has not been notified of any inventorship challenges nor has any interference been declared or provoked nor is any material fact known by the Company that would preclude the issuance of patents with respect to the Company Patent Applications or would render such patents invalid or unenforceable. No third party possesses rights to the Company's Intellectual Property Rights that, if exercised, could enable such party to develop products competitive to those the Company intends to develop as described in the Prospectus.

(iv) Other than as disclosed in the Registration Statement, any Preliminary Prospectus and Prospectus, to the Company's knowledge, there are no rulemaking or similar proceedings before the FDA, PTO or applicable foreign and international patent authorities, which affect or involve the Company or any of the processes or technologies that the Company has developed, is developing or proposes to develop or uses or proposes to use which, if the subject of an action unfavorable to the Company, would result in a Material Adverse Change.

(v) From and after January 1, 2014, the Company has obtained legally binding written agreements from all officers, employees and third parties with whom the Company has shared confidential proprietary information: (A) of the Company, or (B) received from others which the Company is obligated to treat as confidential, which agreements require such employees and third parties to keep such information confidential. The Company has taken all necessary actions to obtain ownership of all works of authorship and inventions made by its employees, consultants and contractors during the time they were employed by or under contract with the Company and which relate to the Company's business as currently conducted. All founders and current key employees have signed confidentiality and invention assignment agreements with the Company.

(vi) The Company possesses valid and current licenses, registrations, certificates, permits and other authorizations issued by the appropriate foreign, federal, state or local regulatory authorities as necessary to conduct its respective businesses (collectively, the "**Licensing Requirements**") and are enforceable by or against the parties thereto in accordance to its terms, except where the failure of a Licensing Requirement would not have a Material Adverse Effect. The Company has not received any notice of proceedings relating to the revocation or modification of, or noncompliance with, any such license, certificate, permit or authorization, which could result in a Material Adverse Effect. No action, suit or proceeding, other than routine audits, by or before any court or Governmental Authority or any arbitrator involving the Company with respect to the removal, revocation, suspension or other termination of the authority to operate under the Licensing Requirements is pending or, to the Company's knowledge, threatened. The Company does not believe that any pending audit is reasonably likely to result in the removal, revocation, suspension or other termination of the Company's authority to operate under the Licensing Requirements.

(vii) The consummation of the transactions contemplated by this Agreement will not result in the loss or impairment of or payment of any additional amounts with respect to, nor require the consent of any other person in respect of, the Company's right to own, use, or hold for use any of the Intellectual Property Rights as owned, used or held for use in the conduct of the business as currently conducted.

(viii) To the Company's knowledge, the Company has at all times complied with all applicable laws relating to privacy, data protection, and the collection and use of personal information collected, used, or held for use by the Company in the conduct of the Company's business. No claims have been asserted or threatened against the Company alleging a violation of any person's privacy or personal information or data rights and the consummation of the transactions contemplated hereby will not breach or otherwise cause any violation of any law related to privacy, data protection, or the collection and use of personal information collected, used, or held for use by the Company in the conduct of the Company's business, except such claims as would not reasonably be likely to result in a Material Adverse Effect. The Company takes reasonable measures to ensure that such information is protected against unauthorized access, use, modification, or other misuse.

(gg) Except as described in any Preliminary Prospectus, the Prospectus and the Registration Statement, the Company: (i) is and at all times has been in compliance with all statutes, rules, regulations or guidance applicable to the ownership, testing, development, manufacture, packaging, processing, use, distribution, marketing, labeling, promotion, sale, offer for sale, storage, import, export or disposal of any product manufactured, distributed or sold by the Company or any component thereof (such statutes, rules, regulations or guidance, collectively, "Applicable Laws"); (ii) is, and to the Company's knowledge, the Company's manufacturing facility, after reasonable investigation, and operations of its suppliers are in compliance with all applicable federal, state, local and foreign laws, regulations, orders and decrees governing its business as prescribed by the FDA, the EMEA, the JMHLW or any other applicable federal, state or foreign governmental authority agencies or bodies engaged in the regulation of pharmaceuticals or biohazardous substances or materials, (iii) has not received any notice of adverse finding, warning letter, untitled letter or other correspondence or notice from the FDA, the EMEA, the JMHLW or any other Governmental Authority alleging or asserting noncompliance with any Applicable Laws or any licenses, certificates, approvals, clearances, authorizations, permits and supplements or amendments thereto required by any such Applicable Laws ("Authorizations"); (iv) possesses all Authorizations and such Authorizations are valid and in full force and effect and are not in violation of any term of any such Authorizations; (v) has not received notice of any claim, suit, proceeding, hearing, enforcement, audit, investigation, arbitration or other action from any Governmental Authority or third party alleging that any product operation or activity is in violation of any Applicable Laws or Authorizations and has no knowledge that any such Governmental Authority or third party is considering any such claim, suit, proceeding, hearing, enforcement, audit, investigation, arbitration or other action; (vi) has not received notice that any Governmental Authority has taken, is taking or intends to take action to limit, suspend, modify or revoke any Authorizations and has no knowledge that any such Governmental Authority is considering such action; and (vii) has filed, obtained, maintained or submitted all material reports, documents, forms, notices, applications, records, claims, submissions and supplements or amendments as required by any Applicable Laws or Authorizations and that all such material reports, documents, forms, notices, applications, records, claims, submissions and supplements or amendments were complete and correct in all material respects on the date filed (or were corrected or supplemented by a subsequent submission), except, in the case of each of clauses (i), (ii), (iii) (iv), (vi) and (vii) for any default, violation or event that would not, individually or in the aggregate, have or reasonably be expected to have a Material Adverse Effect.

(h) The studies and tests conducted or sponsored by or on behalf of the Company (the "<u>Studies and Tests</u>") that are described or referred to in any Preliminary Prospectus, the Prospectus and the Registration Statement were and, if still pending, are being conducted in accordance with experimental protocols, procedures and controls pursuant to accepted professional scientific standards and all Applicable Laws and Authorizations; the descriptions of the results of such studies, tests and trials contained in any Preliminary Prospectus, the Prospectus and the Registration Statement are accurate and complete in all material respects and fairly present the data derived from such studies, tests and trials. The Company is not aware of any studies or tests, the results of which the Company believes reasonably call into question the study or test described or referred to in any Preliminary Prospectus, the Prospectus and the Registration Statement when viewed in the context in which such results are described. The Company has not received any notices or correspondence with the FDA, the EMEA, the JMHLW or any foreign, state or local governmental body exercising comparable authority suggesting or requiring a clinical hold, termination, suspension or material modification of the Studies and Tests and that such clinical hold, termination, suspension or material modification would reasonably be expected to have a Material Adverse Effect, and, to the Company's knowledge after reasonable investigation, there are no reasonable grounds for the same. The Company has obtained (or caused to be obtained) informed consent by or on behalf of each human subject who participated in Studies and Tests. In using or disclosing patient information received by the Company in connection with the Studies and Tests, the Company has complied in all material respects with all applicable laws and regulatory rules, including, without limitation, the Health Insurance Portability and

Accountability Act of 1996 and the rules and regulations thereunder. To the Company's knowledge after reasonable investigation, none of the Studies and Tests involved any investigator who has been disqualified as a clinical investigator or has been found by the FDA to have engaged in scientific misconduct or debarred or excluded from participation in any governmental health care payment program.

(ii) Neither the Company nor, to the Company's knowledge, any of the Company's directors, officers or employees has violated: (i) the Bank Secrecy Act, as amended, (ii) the Money Laundering Control Act of 1986, as amended, (iii) the Foreign Corrupt Practices Act, or (iv) the Uniting and Strengthening of America by Providing Appropriate Tools Required to Intercept and Obstruct Terrorism (USA PATRIOT ACT) Act of 2001, and/or the rules and regulations promulgated under any such law, or any successor law, except for such violations which, singly or in the aggregate, would not have a Material Adverse Effect.

(jj) Neither the Company nor any of its Affiliates has, prior to the date hereof, made any offer or sale of any securities which are required to be "integrated" pursuant to the Securities Act or the Rules and Regulations with the offer and sale of the Shares pursuant to the Registration Statement.

(kk) Transactions Affecting Disclosure to FINRA.

(i) Except as described in the Registration Statement and the Prospectus, there are no claims, payments, arrangements, agreements or understandings relating to the payment of a finder's, consulting or origination fee or other compensation by the Company with respect to the issuance or exercise of the Rights or the sale of the Rights Shares or Rights Warrants or any other arrangements, agreements or understandings of the Company's knowledge, the Company's officers, directors and employees or Affiliates that may affect the Dealer-Manager's compensation, as determined by the Financial Industry Regulatory Authority, Inc. ("FINRA").

(ii) Except as previously disclosed by the Company to the Dealer-Manager in writing, no officer, director, or beneficial owner of 5% or more of any class of the Company's securities (whether debt or equity, registered or unregistered, regardless of the time acquired or the source from which derived) or any other Affiliate is a member or a Person associated, or affiliated with a member of FINRA.

(iii) No proceeds from the exercise of the Rights will be paid to any FINRA member, or any Persons associated or affiliated with a member of FINRA, except as specifically contemplated herein.

(iv) Except as previously disclosed by the Company to the Dealer-Manager, no Person to whom securities of the Company have been privately issued within the 180-day period prior to the initial filing date of the Registration Statement has any relationship or affiliation or association with any member of FINRA.

(l) There are no contracts, agreements or understandings between the Company and any Person that would give rise to a valid claim against the Company or the Dealer-Manager for a brokerage commission, finder's fee or other like payment in connection with the transactions contemplated by this Agreement. Other than the Dealer-Manager, the Company has not employed any brokers, dealers or underwriters in connection with solicitation of exercise of Rights in the Rights Offering, and except provided for in Sections 6 and 7 hereof, no other commissions, fees or discounts will be paid by the Company or otherwise in connection with the Rights Offering.

(mm) The Company and its Subsidiaries have at all times operated their businesses in material compliance with all Environmental Laws, and no material expenditures are or will be required in order to comply therewith. The Company has not received any notice or communication that relates to or alleges any actual or potential violation or failure to comply with any Environmental Laws that will result in a Material Adverse Effect. As used herein, the term "Environmental Laws" means all applicable laws and regulations, including any licensing, permits or reporting requirements, and any action by a Governmental Authority pertaining to the protection of the environment, protection of public health, protection of worker health and safety, or the handling of hazardous materials, including without limitation, the Clean Air Act, 42 U.S.C. § 7401, et seq., the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. § 9601, et seq., the Federal Water Pollution Control Act, 33 U.S.C. § 1321, et seq., the Hazardous Materials Transportation Act, 49 U.S.C. § 1801, et seq., the Resource Conservation and Recovery Act, 42 U.S.C. § 690-1, et seq., and the Toxic Substances Control Act, 15 U.S.C. § 2601, et seq.

(nn) Except as set forth in the Registration Statement, any Preliminary Prospectus or the Prospectus, the Company is not a party to an "employee benefit plan," as defined in Section 3(3) of the Employee Retirement Income Security Act of 1974 ("**ERISA**") which: (i) is subject to any provision of ERISA and (ii) is or was at any time maintained, administered or contributed to by the Company and covers any employee or former employee of the Company or any ERISA Affiliate (as defined hereafter). These plans are referred to collectively herein as the "**Employee Plans**." For purposes of this paragraph, "**ERISA Affiliate**" of any Person means any other person or entity which, together with that person or entity, could be treated as a single employer under Section 414(m) of the Internal Revenue Code of 1986, as amended (the "**Code**"), or is an "affiliate," whether or not incorporated, as defined in Section 407(d)(7) of ERISA, of the Person.

(oo) Each employment, severance or other similar arrangement or policy and each material plan or arrangement providing for insurance coverage (including any self-insured

arrangements), workers' compensation, disability benefits, severance benefits, supplemental unemployment benefits, vacation benefits, retirement benefits or for deferred compensation, profit-sharing, bonuses, stock options, stock appreciation or other forms of incentive compensation, or post-retirement insurance, compensation or benefits to which the Company or any Subsidiary is a party and which : (i) is not an Employee Plan, (ii) is entered into, maintained or contributed to, as the case may be, by the Company or any of their respective ERISA Affiliates, and (iii) covers any employee or former employee of the Company or any of their respective ERISA Affiliates (such contracts, plans and arrangements being referred to collectively in this Agreement as the "**Benefit Arrangements**") is fully and accurately disclosed in the Registration Statement to the extent it is material and required to be disclosed by the Securities Act and the Rules and Regulations and has been maintained in substantial compliance with its terms and with requirements prescribed by any and all statutes, orders, rules and regulations that are applicable to that Benefit Arrangement. (pp) Except as set forth in the Registration Statement, any Preliminary Prospectus or the Prospectus, there is no material liability in respect of post-retirement health and medical benefits for retired employees of the Company or any of their respective ERISA Affiliates other than medical benefits required to be continued under applicable law, determined using assumptions that are reasonable in the aggregate, over the fair market value of any fund, reserve or other assets segregated for the purpose of satisfying such liability (including for such purposes any fund established pursuant to Section 401(h) of the Code). With respect to any of the Company's Employee Plans which are "group health plans" under Section 4980B of the Code and Section 607(1) of ERISA, there has been material compliance with all requirements imposed there under such that the Company or their respective ERISA Affiliates have no (and will not incur any) loss, assessment, tax penalty, or other sanction with respect to any such plan.

(qq) The execution of this Agreement and consummation of the Rights Offering does not constitute a triggering event under any Employee Plan or any other employment contract, whether or not legally enforceable, which (either alone or upon the occurrence of any additional or subsequent event) will or may result in any payment (of severance pay or otherwise), acceleration, increase in vesting, or increase in benefits to any current or former participant, employee or director of the Company.

(rr) No "prohibited transaction" (as defined in either Section 406 of the ERISA or Section 4975 of Code), "accumulated funding deficiency" (as defined in Section 302 of ERISA) or other event of the kind described in Section 4043(b) of ERISA (other than events with respect to which the 30-day notice requirement under Section 4043 of ERISA has been waived) has occurred with respect to any employee benefit plan for which the Company would have any liability; each employee benefit plan of the Company is in compliance in all material respects with applicable law, including (without limitation) ERISA and the Code; the Company has not incurred and does not expect to incur liability under Title IV of ERISA with respect to the termination of, or withdrawal from any "pension plan"; and each employee benefit plan of the Company that is intended to be qualified under Section 401(a) of the Code is so qualified and nothing has occurred, whether by action or by failure to act, which could cause the loss of such qualification.

(ss) Neither the Company nor, to the Company's knowledge, any of the Company's officers, directors, employees or agents has at any time during the last five (5) years: (i) made any unlawful contribution to any candidate for foreign office, or failed to disclose fully any contribution in violation of law; or (ii) made any payment to any federal or state governmental officer or official, or other Person charged with similar public or quasi-public duties, other than payments that are not prohibited by the laws of the United States of any jurisdiction thereof.

(tt) The Company has not and will not, directly or indirectly through any officer, director or Affiliate of the Company or through any other Person: (i) taken any action designed to cause or to result in, or that has constituted or which might reasonably be expected to constitute, the stabilization or manipulation of the price of any security of the Company to facilitate the issuance of the Rights or the sale or resale of the Rights Shares, (ii) since the filing of the Registration Statement sold, bid for or purchased, or paid any Person (other than the Dealer-Manager) any compensation for soliciting exercises or purchases of, the Rights or the Rights Shares; and (iii) until the later of the expiration of the Rights or the completion of the distribution (within the meaning of Regulation M under the Exchange Act) of the Rights Shares, sell, bid for or purchase, apply or agree to pay to any Person (other than the Dealer-Manager) any compensation for soliciting another to purchase any other securities of the Company (except for the solicitation of the exercises of Rights pursuant to this Agreement or pursuant to the Company's "at-the-market" offering program). The foregoing shall not apply to the offer, sale, agreement to sell or delivery with respect to: (i) Rights Shares and Rights Warrants offered and sold upon exercise of the Rights, as described in the Prospectus; or (ii) any shares of Common Stock sold pursuant to the Company's employee benefit plans.

(uu) As used in this Agreement, references to matters being "material" with respect to the Company or any matter relating to the Company shall mean a material item, event, change, condition, status or effect related to the condition (financial or otherwise), properties, assets (including intangible assets), liabilities, business, prospects (as such prospects are disclosed or described in any Preliminary Prospectus or the Prospectus), operations or results of operations of the Company and its Subsidiaries, taken as a whole.

(vv) As used in this Agreement, the term "Company's knowledge" (or similar language) shall mean the knowledge of the officers of the Company who are named in the Prospectus, with the assumption that such officers shall have made reasonable and diligent inquiry of the matters presented (with reference to what is customary and prudent for the applicable individuals in connection with the discharge by the applicable individuals of their duties as officers or directors of the Company).

(ww) Any certificate signed by or on behalf of the Company and delivered to the Dealer-Manager or to Ellenoff Grossman & Schole LLP, counsel for the Dealer-Manager, shall be deemed to be a representation and warranty by the Company to the Dealer-Manager as to the matters covered thereby.

6. <u>Compensation of the Dealer-Manager</u>. In consideration of the services rendered and to be rendered by the Dealer-Manager to the Company in connection with the Rights Offering, the Company agrees to pay the Dealer-Manager the following:

(i) to the Dealer-Manager, a cash fee equal to: (a) 6.0% of the total gross proceeds generated from the Rights Offering if the aggregate gross proceeds raised in the Rights Offering is less than \$7,500,000; or (b) 7.0% of the total gross proceeds generated from the Rights Offering if the aggregate gross proceeds raised in the Rights Offering is \$7,500,000 or more;

(ii) the Dealer-Manager shall receive (less the advance in the amount of \$30,000 previously paid to Maxim, the "Advance") up to \$75,000 in reimbursement of their expenses (including, without limitation, legal fees) if the Rights Offering occurs. Any portion of the Advance will be returned to the Company in the event it is not actually incurred. Except as provided in Section 6(ii) or Section 11, the Dealer-Manager shall be responsible for its own expenses.

7. <u>Expenses</u>. The Company shall pay or cause to be paid:

(a) all of its expenses (including any taxes) incurred in connection with the Rights Offering and the preparation, issuance, execution, authentication and delivery of the Rights and the Rights Shares and Rights Warrants;

(b) all fees, expenses and disbursements of the Company's accountants, legal counsel and other third party advisors;

(c) all fees and expenses of the Subscription Agent and the Information Agent set forth in the Agent Agreement;

(d) all fees, expenses and disbursements (including, without limitation, fees and expenses of the Company's accountants and counsel) in connection with the preparation, printing, filing, delivery and shipping of the Registration Statement (including the financial statements therein and all amendments and exhibits thereto), each Preliminary Prospectus, the Prospectus, the other Offer Documents and any amendments or supplements of the foregoing;

(e) all fees, expenses and disbursements relating to the registration or qualification of the Rights and the Rights Shares under the "blue sky" securities laws of any states or other jurisdictions and all fees and expenses associated with the preparation of the preliminary and final forms of Blue Sky Memoranda;

(f) all filing fees of the Commission;

- (g) all filing fees relating to the review of the Rights Offering by FINRA;
- (h) any applicable listing or other fees;
- (i) the cost of printing certificates representing the Rights and the Rights Shares and Rights Warrants;
- (j) all advertising charges pertaining to the Rights Offering agreed to by the Company;
- (k) the cost and charges of the Company's transfer agent(s) or registrar(s) agreed to by the Company; and
- (l) all other costs and expenses incident to the performance of its obligations hereunder for which provision is not otherwise made in

this Section.

The Company shall perform its obligations set forth in this Section 7 whether or not the Rights Offering commences or any Rights are exercised pursuant to the Rights Offering.

8. Shareholder Lists; Subscription Agent.

(a) The Company will cause the Dealer-Manager to be provided with any cards or lists showing the names and addresses of, and the number of shares of Common Stock held by, the holders of shares of Common Stock as of a recent date and will use its best efforts to cause the Dealer-Manager to be advised from time to time during the period, as the Dealer-Manager shall request, of the Rights Offering as to any transfers of record of shares of Common Stock.

(b) The Company will arrange for the Subscription Agent to advise the Dealer-Manager daily as to such matters as they may reasonably request, including the number of Rights which have been exercised pursuant to the Rights Offering.

9. <u>Covenants</u>. The Company covenants and agrees with the Dealer-Manager:

(a) To use its best efforts to cause the Registration Statement and any amendments thereto to become effective, provided that the Company shall have the right to discontinue the offering and withdraw the Registration Statement if the Company's Board of Directors determines in good faith that it is no longer in the best interests of the Company and its stockholders; to advise the Dealer-Manager, promptly after it receives notice thereof, of the time when the Registration Statement, or any amendment thereto, becomes effective or any supplement to the Prospectus or any amended Prospectus has been filed and to furnish the Dealer-Manager with copies thereof; to prepare a Prospectus in a form approved by the Dealer-Manager (such approval not to be unreasonably withheld or delayed) and to file such Prospectus pursuant to Rule 424(b) under the Securities Act within the time prescribed by such rule; to advise the Dealer-Manager, promptly after it receives notice thereof, of the insuance by the Commission of any stop order or of any order preventing or suspending the use of any Preliminary Prospectus or the Prospectus, or of any request by the Commission for the amending or supplementing of the Registration Statement or the Prospectus or for additional information; and, in the event of the issuance of any stop order or of any order preventing or suspending the use of any Preliminary Prospectus or the Prospectus or suspending any such qualification, to use promptly its reasonable best efforts to obtain its withdrawal;

(b) To deliver promptly to the Dealer-Manager in New York City such number of the following documents as the Dealer-Manager shall reasonably request: (i) conformed copies of the Registration Statement as originally filed with the Commission and each amendment thereto (in each case excluding exhibits other than this Agreement, any other Offer Documents filed as exhibits, the computation of the ratio of earnings to fixed charges and the computation of per share earnings); (ii) each Preliminary Prospectus, the Prospectus and any amended or supplemented Prospectus; and (iii) any document incorporated by reference in the Prospectus (excluding exhibits thereto); and, if the delivery of a prospectus is required at any time during which the Prospectus relating to the Rights or the Rights Shares or Rights Warrants is required to be delivered under the Securities Act and if at such time any events shall have occurred as a result of which the Prospectus as then amended or supplemented would include any untrue statement of a material fact or omit to state any material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made when such Prospectus is delivered, not misleading, or, if for any other reason it shall be necessary during such period to amend or supplement the Prospectus or to file under the Exchange Act any document incorporated by reference in the Prospectus in order to comply with the Securities Act or the Exchange Act, to notify the Dealer-Manager and, upon its request, to file such document and to prepare and furnish without charge to the Dealer-Manager as many copies as the Dealer-Manager may from time to time reasonably request of an amended or supplemented Prospectus which will correct such statement or omission or effect such compliance;

(c) To file promptly with the Commission any amendment to the Registration Statement or the Prospectus or any supplement to the Prospectus that may, in the judgment of the Company or the Dealer-Manager, be necessary or advisable in connection with the distribution of the Rights or

the sale of the Underlying Shares or be requested by the Commission;

(d) Prior to filing with the Commission any: (i) Preliminary Prospectus, (ii) amendment to the Registration Statement, any document incorporated by reference in the Prospectus or (iii) any Prospectus pursuant to Rule 424 of the Rules and Regulations, to furnish a copy thereof to the Dealer-Manager and counsel for the Dealer-Manager and obtain the consent of the Dealer-Manager to the filing (which consent shall not be unreasonably withheld);

(e) Until the completion of the Rights Offering, following the effective date of the Registration Statement, to furnish to the Dealer-Manager copies of all materials not available via EDGAR furnished by the Company to its shareholders and all public reports and all reports and financial statements furnished by the Company to the principal national securities exchange upon which any of the Company's securities may be listed pursuant to requirements of or agreements with such exchange or to the Commission pursuant to the Exchange Act or any rule or regulation of the Commission thereunder;

(f) To qualify or register the Rights and the Rights Shares and Rights Warrants for sale under (or obtain exemptions from the application of) the state securities or blue sky laws of those jurisdictions designated by the Dealer-Manager, to comply with such laws and to continue such qualifications, registrations and exemptions in effect so long as required for the distribution of the Rights and the Rights Shares and Rights Warrants; provided, however, that the Company shall not be required to qualify as a foreign corporation or to take any action that would subject it to general service of process in any such jurisdiction where it is not presently

qualified or where it would be subject to taxation as a foreign corporation. The Company will advise the Dealer-Manager promptly of the suspension of the qualification or registration of (or any such exemption relating to) the Rights and the Rights Shares and Rights Warrants for offering, sale or trading in any jurisdiction or any initiation or threat of any proceeding for any such purpose, and in the event of the issuance of any order suspending such qualification, registration or exemption, the Company shall use its best efforts to obtain the withdrawal thereof at the earliest possible moment.

(g) To apply the net proceeds from the exercise of the Rights in the manner described under the caption "Use of Proceeds" in the Prospectus.

(h) Prior to the effective date of the Registration Statement, to apply for the listing of the Rights Shares and Rights Warrants on NASDAQ and to use its best efforts to complete that listing, subject only to official notice of issuance (if applicable), prior to the expiration of the Rights Offering.

(i) To take such steps as shall be necessary to ensure that neither the Company nor any Subsidiary shall become an "investment company" within the meaning of such term under the Investment Company Act of 1940 and the rules and regulations of the Commission thereunder.

(j) To advise the Dealer-Manager, directly or through the Subscription Agent, from time to time, as the Dealer-Manager shall request, of the number of Rights Shares and Rights Warrants subscribed for, and arrange for the Subscription Agent to furnish the Dealer-Manager with copies of written reports it furnishes to the Company concerning the Rights Offering;

(k) To commence mailing the Offer Documents to record holders of the Common Stock not later than the second business day following the record date for the Rights Offering, and complete such mailing as soon as practicable;

(1) To reserve and keep available for issue upon the exercise of the Rights such number of authorized but unissued shares of Common Stock as will be sufficient to permit the exercise in full of all Rights and all Rights Warrants issued upon such exercise in full, except as otherwise contemplated by the Prospectus; and

(m) To not take, directly or indirectly, any action designed to cause or to result in, or that has constituted or which might reasonably be expected to constitute, the stabilization or manipulation of the price of any security of the Company to facilitate the issuance of the Rights or the sale or resale of the Rights Shares or Rights Warrants.

10. <u>Conditions of Dealer-Manager's Obligations</u>. The obligations of the Dealer-Manager hereunder are subject to (and the occurrence of any Closing shall be conditioned upon) the accuracy, as of the date hereof and at all times during the Rights Offering, of the representations and warranties of the Company contained herein, to the performance by the Company of its obligations hereunder (in each case in the reasonable opinion of the Dealer-Manager) and to the following additional conditions:

(a) (i) The Registration Statement shall have become effective and the Prospectus shall have been timely filed with the Commission in accordance with the Rules and Regulations; (ii) all post-effective amendments to the Registration Statement shall have become effective; and (iii) no stop order suspending the effectiveness of the Registration Statement or any amendment or supplement thereto shall have been issued and no proceedings for the issuance of any such order shall have been initiated or threatened, and any request of the Commission for additional information (to be included in the Registration Statement or the Prospectus or otherwise) shall have been disclosed to the Dealer-Manager and complied with to the Dealer-Manager's reasonable satisfaction.

(b) The Dealer-Manager shall not have been advised by the Company or shall have discovered and disclosed to the Company that the Registration Statement or the Prospectus or any amendment or supplement thereto, contains an untrue statement of fact which in the Dealer-Manager's opinion, or in the opinion of counsel to the Dealer-Manager, is material, or omits to state a fact which, in the Dealer-Manager's opinion, or in the Dealer-Manager, is material and is required to be stated therein or is necessary to make the statements therein not misleading.

(c) All corporate proceedings and other legal matters incident to the authorization, form and validity of this Agreement, the Rights, the Rights Shares, the Rights Warrants, the Registration Statement and the Prospectus, and all other legal matters relating to this Agreement and the transactions contemplated hereby shall be reasonably satisfactory in all material respects to counsel for the Dealer-Manager, and the Company shall have furnished to such counsel all documents and information that they may reasonably request to enable them to pass upon such matters.

(d) Concurrently with the execution of this Agreement, there shall have been furnished to the Dealer-Manager the signed opinion (addressed to the Dealer-Manager) of DLA Piper LLP (US), counsel for the Company, dated the date hereof and in form and substance satisfactory to counsel for the Dealer-Manager.

(e) Concurrently with the execution of this Agreement, there shall have been furnished to the Dealer-Manager the signed opinion (addressed to the Dealer-Manager) of Kathy Mekjian, intellectual property counsel for the Company, dated the date hereof and in form and substance satisfactory to counsel for the Dealer-Manager.

(f) Concurrently with the execution of this Agreement, the Company shall have furnished to the Dealer-Manager a letter of KPMG, addressed to the Dealer-Manager and dated the date hereof: (i) confirming that they are independent registered public accountants of the Company within the meaning of the Securities Act and are in compliance with the applicable requirements relating to the qualification of accountants under the PCAOB and applicable rules of the Commission, and (ii) stating, as of the date of the letter (or, with respect to matters involving changes or developments since the respective dates as of which specified financial information is given in the Prospectus, as of a date not more than five days prior to the date of the letter), the conclusions and findings of such firm with respect to the financial information and other matters specified by the Dealer-Manager.

(g) The Company shall have furnished to the Dealer-Manager a certificate, dated the date hereof and of such Closing, of its Chief Executive Officer or President and its Chief Financial Officer stating that:

(i) To the best of their knowledge after reasonable investigation, the representations, warranties, covenants and agreements of the Company in Section 5 hereof are true and correct in all material respects;

(ii) The conditions set forth in this Section 10 have been fulfilled;

(iii) Neither the Company nor any of its Subsidiaries has sustained any material loss or interference with its business, whether or not covered by insurance, or from any labor dispute or any legal or governmental proceeding;

(iv) Subsequent to the respective dates as of which information is given in the Registration Statement and the Prospectus, there has not been any Material Adverse Change or any development involving a prospective Material Adverse Change; and

(v) They have carefully examined the Registration Statement and the Prospectus and, in their opinion (A) the Registration Statement and the Prospectus, as of the Effective Date, did not include any untrue statement of a material fact and did not omit to state any material fact required to be stated therein or necessary to make the statements therein not misleading, and (B) since the Effective Date no event has occurred which should have been set forth in a supplement or amendment to the Registration Statement or the Prospectus and has not been.

(h) Neither the Company nor any of its Subsidiaries shall have sustained since the date of the latest audited financial statements included in the Prospectus any Material Adverse Change, the effect of which is, in the judgment of the Dealer-Manager, so material and adverse as to make it impracticable or inadvisable to proceed with the Rights Offering.

(i) NASDAQ shall have approved the Rights Shares and Rights Warrants for listing, subject only to official notice of issuance and, with respect to the Rights Warrants, confirmation that a sufficient number of Rights have been exercised to cause a sufficient number of Rights Warrants to be issued to the number of holders necessary to meet the listing standards of NASDAQ Rule 5515, as applicable.

(j) All opinions, letters, evidence and certificates mentioned above or elsewhere in this Agreement shall be deemed to be in compliance with the provisions hereof only if they are in form and substance reasonably satisfactory to counsel for the Dealer-Manager. If any of the conditions specified in this Section 10 shall not have been fulfilled when and as required by this Agreement, this Agreement and all obligations of the Dealer-Manager hereunder may be canceled at, or at any time during the Rights Offering, by the Dealer-Manager. Any such cancellation shall be without liability of the Dealer-Manager to the Company. Notice of such cancellation shall be given to the Company in writing, or by telephone and confirmed in writing.

11. Indemnification and Contribution.

The Company agrees to hold harmless and indemnify Maxim and its affiliates and any officer, director, employee or agent of Maxim (a) or any such affiliates and any Person controlling (within the meaning of Section 20(a) of the Exchange Act) Maxim or any of such affiliates from and against any and all (A) losses, claims, damages and liabilities whatsoever, under the Securities Act or otherwise (as incurred or suffered), arising out of or based upon: (i) any untrue statement or alleged untrue statement of a material fact contained in the Offer Documents or any amendment or supplement thereto, in any other solicitation material used by the Company or authorized by it for use in connection with the Rights Offering, or in any blue sky application or other document prepared or executed by the Company (or based on any written information furnished by the Company) specifically for the purpose of qualifying any or all of the Rights or the Rights Shares or Rights Warrants under the securities laws of any state or other jurisdiction (any such application, document or information being hereinafter called a "Blue Sky Application") or arising out of or based upon the omission or alleged omission to state in any such document a material fact required to be stated therein or necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading (other than statements or omissions made in reliance upon and in conformity with the Dealer-Manager Information); (ii) any withdrawal or termination by the Company of, or failure by the Company to make or consummate, the Rights Offering, (iii) actions taken or omitted to be taken by an indemnified party with the consent of the Company or in conformity with actions taken or omitted to be taken by the Company; (iv) any failure by the Company to comply with any agreement or covenant contained in this Agreement; or (v) arising out of, relating to or in connection with or alleged to arise out of, relate to or be in connection with, the Rights Offering, any of the other transactions contemplated thereby or the performance of Maxim's services to the Company with respect to the Rights Offering, and (B) all reasonable expenses (including, but not limited to, any and all reasonable legal expenses) incurred in connection with investigating, preparing to defend or defending any lawsuit, claim or other proceeding, commenced or threatened, whether or not resulting in any liability, which legal or other expenses shall be reimbursed by the Company promptly after receipt of any invoices therefore from Maxim. However, the Company will not be obligated to indemnify an indemnified party for any loss, claim, damage, liability or expense pursuant to the preceding

sentence which has been determined in a final judgment by a court of competent jurisdiction to have resulted directly from willful misconduct or gross negligence on the part of any indemnified party.

(b) The Dealer-Manager shall indemnify and hold harmless the Company, its officers, directors and employees, each of its directors and each Person, if any, who controls the Company within the meaning of the Securities Act, from and against any loss, claim, damage or liability, joint or several, or any action in respect thereof, to which the Company or any such director, officer or controlling Person may become subject, under the Securities Act or otherwise, insofar as such loss, claim, damage, liability or action arises out of, or is based upon: (i) any untrue statement or alleged untrue statement of a material fact contained (A) in any Offer Documents, or in any such amendment or supplement, in any other solicitation material used by the Company or authorized by it for use in connection with the Rights Offering or (B) in any Blue Sky Application; or (ii) the omission or alleged omission to state in any Offer Documents, or in any such amendment or supplement, in any other solicitation material used by the Company or authorized by it for use in connection with the Rights Offering, or in any Blue Sky Application, any material fact required to be stated therein or necessary to make the statements therein not misleading, but in each case solely and exclusively to the extent that the untrue statement or alleged untrue statement or omission or alleged omission was made in reliance upon and in conformity with the Dealer-Manager Information, and shall reimburse the Company and any such director, officer or controlling Person for any legal or other expenses reasonably incurred by the Company or any such director, officer or controlling Person in connection with investigating or defending or preparing to defend against any such loss, claim, damage, liability or action as such expenses are incurred.

If any lawsuit, claim or proceeding is brought against any indemnified party in respect of which indemnification may be sought (c) against the indemnifying party pursuant to this Section 11, such indemnified party shall promptly notify the indemnifying party of the commencement of such lawsuit, claim or proceeding; provided, however, that the failure so to notify the indemnifying party shall not relieve the indemnifying party from any obligation or liability which it may have under this Section 11 except to the extent that it has been prejudiced in any material respect by such failure and in any event shall not relieve the indemnifying party from any other obligation or liability which it may have to such indemnified party otherwise than under this Section 11. In case any such lawsuit, claim or proceeding shall be brought against any indemnified party and such indemnified party shall notify the indemnifying party of the commencement of such lawsuit, claim or proceeding, the indemnifying party shall be entitled to participate in such lawsuit, claim or proceeding, and, after written notice from the indemnifying party to such indemnified party, to assume the defense of such lawsuit, claim or proceeding with counsel of its choice at its expense; provided, however, that such counsel shall be satisfactory to the indemnified party in the exercise of its reasonable judgment. Notwithstanding the election of the indemnifying party to assume the defense of such lawsuit, claim or proceeding, such indemnified party shall have the right to employ separate counsel and to participate in the defense of such lawsuit, claim or proceeding, and the indemnifying party shall bear the reasonable fees, costs and expenses of such separate counsel (and shall pay such reasonable fees, costs and expenses promptly after receipt of any invoice therefor) if: (i) the use of counsel chosen by the indemnifying party to represent such indemnified party would present such counsel with a conflict of interest; (ii) the defendants in, or targets of, any such lawsuit, claim or proceeding include both an indemnified party and the indemnifying party, and such indemnified party shall have reasonably concluded that there may be legal defenses available to it or to other indemnified parties which are different from or in addition to those available to the indemnifying party (in which case the indemnifying party shall not have the right to direct the defense of such action on behalf of the indemnified party); (iii) the indemnifying party shall not have employed counsel satisfactory to such indemnified party, in the exercise of such indemnified party's reasonable judgment, to represent such indemnified party within a reasonable time after notice of the institution of any such lawsuit, claim or proceeding; or (iv) the indemnifying party shall authorize such indemnified party to employ separate counsel at the expense of the indemnifying party. The foregoing indemnification commitments shall apply whether or not the indemnified party is a formal party to any such lawsuit, claim or proceeding. The indemnifying party shall not be liable for any settlement of any lawsuit, claim or proceeding effected without its consent (which consent will not be unreasonably withheld), but if settled with such consent, the indemnifying party agrees, subject to the provisions of this Section 11, to indemnify the indemnified party from and against any loss, damage or liability by reason of such settlement. The Company agrees to notify Maxim promptly, or cause Maxim to be notified promptly, of the assertion of any lawsuit, claim or proceeding against the Company, any of its officers or directors or any Person who controls any of the foregoing within the meaning of Section 20(a) of the Exchange Act, arising out of or relating the Rights Offering. The Company further agrees that any settlement of a lawsuit, claim or proceeding against it arising out of Rights Offering shall include an explicit and unconditional release from the parties bringing such lawsuit, claim or proceeding of Maxim, its respective affiliates, and any officer, director, employee or agent of Maxim, and any Person controlling (within the meaning of Section 20(a) of the Exchange Act) Maxim.

(d) The amount paid or payable by an indemnified party as a result of the losses, claims, damages, liabilities or expenses referred to in the immediately preceding paragraph shall be deemed to include, subject to the limitations set forth above, any legal or other expenses reasonably incurred by such indemnified party in connection with investigating, preparing to defend or defending any such action or claim.

(e) The foregoing rights to indemnification and contribution shall be in addition to any other rights which any indemnified parties may have under common law or otherwise but shall supersede, amend and restate, retroactively, the rights to indemnification, reimbursement and contribution provided for under the Engagement Letter.

In order to provide for contribution in circumstances in which the indemnification provided for in this Section 11 for any reason held (f) to be unavailable from any indemnifying party or is insufficient to hold harmless a party indemnified thereunder, the Company, on the one hand, and Maxim, on the other hand, shall contribute to the aggregate losses, claims, damages, liabilities and expenses of the nature contemplated by such indemnification provision (including any investigation, legal and other expenses incurred in connection with, and any amount paid in settlement of, any action, suit or proceeding or any claims asserted, but after deducting in the case of losses, claims, damages, liabilities and expenses suffered by the Company, any contribution received by the Company from Persons, other than Maxim, who may also be liable for contribution, including Persons who control the Company within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act, officers of the Company who signed the Registration Statement and directors of the Company) as incurred to which the Company and Maxim may be subject, in such proportions as is appropriate to reflect the relative benefits received by the Company, on the one hand, and Maxim, on the other hand, from the Rights Offering or, if such allocation is not permitted by applicable law, in such proportions as are appropriate to reflect not only the relative benefits referred to above but also the relative fault of the Company, on the one hand, and Maxim, on the other hand, in connection with the statements or omissions which resulted in such losses, claims, damages, liabilities or expenses, as well as any other relevant equitable considerations. The relative benefits received by the Company, on the one hand, and Maxim, on the other hand, shall be deemed to be in the same proportion as: (x) the total proceeds from the Rights Offering (net of the fees of the Dealer-Manager set forth in Section 6 hereof, but before deducting expenses) received by the Company bears to (y) the fees of the Dealer-Manager set forth in Section 6 hereof actually received by the Dealer-Manager. The relative fault of each of the Company, on the one hand, and Maxim, on the other hand, shall be determined by reference to, among other things,

whether the untrue or alleged untrue statement of a material fact or the omission or alleged omission to state a material fact relates to information supplied by the Company or Maxim (which consists solely and exclusively of the Dealer-Manager Information) and the parties' relative intent, knowledge, access to information and opportunity to correct or prevent such statement or omission. The Company and the Dealer-Manager agree that it would not be just and equitable if contribution pursuant to this Section 11(f) were determined by pro rata allocation or by any other method of allocation which does not take account of the equitable considerations referred to above in this Section. The aggregate amount of losses, liabilities, claims, damages and expenses incurred by an indemnified party and referred to above in this Section 11 shall be deemed to include any legal or other expenses reasonably incurred by such indemnified party in investigating, preparing or defending against any litigation, or any investigation or proceeding by any judicial, regulatory or other legal or governmental agency or body, commenced or threatened, or any claim whatsoever based upon any such untrue or alleged untrue statement or omission or alleged omission. Notwithstanding the provisions of this Section 11: (i) the Dealer-Manager shall be required to contribute any amount in excess of the fees actually received by the Dealer-Manager from the Company in connection with the Rights Offering and (ii) no Person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the Securities Act) shall be entitled to contribution from any Person who was not guilty of such fraudulent misrepresentation. For purposes of this Section 11, each Person controlling a Dealer-Manager within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act shall have the same rights to contribution as such Dealer-Manager, and each Person, if any, who controls the Company within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act, each officer of the Company who shall have signed the Registration Statement and each director of the Company shall have the same rights to contribution as the Company, subject in each case to clauses (i) and (ii) of the immediately preceding sentence. Any party entitled to contribution will, promptly after receipt of notice of commencement of any action, suit or proceeding against such party in respect of which a claim for contribution may be made against another party or parties, notify each party or parties from whom contribution may be sought, but the omission to so notify such party or parties shall not relieve the party or parties from whom contribution may be sought from any obligation it or they may have under this Section 11(f) or otherwise.

12. Effective Date of Agreement; Termination.

(a) This Agreement shall become effective upon the later of the time on which the Dealer-Manager shall have received notification of the effectiveness of the Registration Statement and the time which this Agreement shall have been executed by all of the parties hereto.

(b) At any time during the Rights Offering, this Agreement may be terminated by the Dealer-Manager by giving notice as hereinafter provided to the Company if:

(i) the Company shall have failed, refused or been unable, at any applicable time during the Rights Offering, to perform any material agreement on its part to be performed hereunder,

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(ii)
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any other material condition of the Dealer-Manager's obligations as set forth in Section 10 or elsewhere hereunder is not

fulfilled,

(iii) trading in securities generally on the New York Stock Exchange, the Nasdaq Stock Market or the NYSE Alternext U.S. or in the OTCBB, or trading in any securities of the Company on any exchange or in the over-the-counter market, shall have been suspended or minimum prices shall have been established on any such exchanges or such market by the Commission, by such exchange or by any other regulatory body or Governmental Authority,

(iv) a banking moratorium shall have been declared by Federal or state authorities,

(v) there shall have occurred any outbreak or escalation of hostilities or acts of terrorism involving the United States or there is a declaration of a national emergency or war by the United States or there shall have been any other calamity or crisis or any change in political, financial or economic conditions of the United States, or

(vi) there shall have occurred such a material adverse change in general economic, political or financial conditions (or the effect of international conditions on the financial markets in the United States shall be such) as to make it, in the judgment of the Dealer-Manager, inadvisable or impracticable to solicit exercises of the Rights or perform any other of its obligations hereunder.

(c) At any time during the Rights Offering, this Agreement may be terminated by the Company by giving notice as hereinafter provided to the Dealer-Manager if the Company's Board of Directors determines in good faith that the Rights Offering is no longer in the best interests of the Company and its stockholders.

(d) Any termination of this Agreement pursuant to this Section 12 shall be without liability on the part of the Company or the Dealer-Manager, except as otherwise provided in Section 11 hereof. Any notice referred to above may be given at the address specified in Section 14 hereof in writing or by facsimile or telephone, and if by telephone, shall be immediately confirmed in writing.

13. <u>Survival of Certain Provisions</u>. The agreements contained in Section 11 hereof and the representations, warranties and agreements of the Company contained in Sections 5, 6 and 7 hereof shall survive the consummation of or failure to commence the Rights Offering and shall remain in full force and effect, regardless of any termination or cancellation of this Agreement or any investigation made by or on behalf of any indemnified party; *provided* however than in the event of any failure to commence or consummate the Rights Offering, the agreements contained in Section 6 shall terminate and be of no further force or effect.

14. <u>Notices</u>. All notices or other communications hereunder shall be in writing, and (a) if sent to the Dealer-Manager, shall be mailed, delivered, or faxed and confirmed in writing, to Maxim Group LLC, 405 Lexington, New York, New York 10174, Fax Number: (212) 895-3783, Attention: Clifford A. Teller, Executive Managing Director — Investment Banking, in each case, with a copy to Ellenoff Grossman & Schole LLP, 1345 Avenue of the Americas, 11th Floor, New York, New York, New York, New York, New York, New York, 10105 Fax Number: (212) 370-7889, Attention: Tamar Donikyan, Esq.; and (b) if sent to the Company shall be mailed, delivered, or faxed and confirmed in writing to the Company and its counsel at the address set forth in the Registration Statement, with a copy to DLA Piper

LLP, 4365 Executive Drive, Suite 1100, San Diego, CA 92121, Fax Number: (858) 677-1401, Attention: Jeffrey T. Baglio , Esq. Any such notices and other communications shall take effect at the time of receipt thereof.

15. Parties. This Agreement shall inure to the benefit of and be binding upon the Dealer-Manager, the Company and their respective successors. This Agreement and the terms and provisions hereof are for the sole benefit of only those Persons, except that the representations, warranties, indemnities and agreements of the Company contained in this Agreement shall also be deemed to be for the benefit of the Person or Persons, if any, who control the Dealer-Manager within the meaning of Section 15 of the Act. Nothing in this Agreement shall be construed to give any Person, other than the Persons referred to in this Section, any legal or equitable right, remedy or claim under or in respect of this Agreement or any provision contained herein.

16. <u>Amendment</u>. This Agreement may not be amended or modified except in writing signed by each of the parties hereto.

17. Governing Law; Venue. This Agreement shall be deemed to have been executed and delivered in New York and both this Agreement and the transactions contemplated hereby shall be governed as to validity, interpretation, construction, effect, and in all other respects by the laws of the State of New York, without regard to the conflicts of laws principals thereof (other than Section 5-1401 of The New York General Obligations Law). Each of the Dealer-Manager and the Company: (a) agrees that any legal suit, action or proceeding arising out of or relating to this Agreement and/or the transactions contemplated hereby shall be instituted exclusively in the Supreme Court of the State of New York, New York County, or in the United States District Court for the Southern District of New York; (b) waives any objection which it may have or hereafter to the venue of any such suit, action or proceeding; and (c) irrevocably consents to the jurisdiction of Supreme Court of the State of New York, New York County, or in the United States District Court for the Southern District of New York in any such suit, action or proceeding. Each of the Dealer-Manager and the Company further agrees to accept and acknowledge service of any and all process which may be served in any such suit, action or proceeding in the Supreme Court of the State of New York, New York County, or in the United States District Court for the Southern District of New York and agrees that service of process upon the Company mailed by certified mail to the Company's address or delivered by Federal Express via overnight delivery shall be deemed in every respect effective service of process upon the Company, in any such suit, action or proceeding, and service of process upon the Dealer-Manager mailed by certified mail to the Dealer-Manager's address or delivered by Federal Express via overnight delivery shall be deemed in every respect effective service process upon the Dealer-Manager, in any such suit, action or proceeding. THE COMPANY (ON BEHALF OF ITSELF AND, TO THE FULLEST EXTENT PERMITTED BY LAW, ON BEHALF OF ITS RESPECTIVE EQUITY HOLDERS AND CREDITORS) HEREBY WAIVES ANY RIGHT THEY MAY HAVE TO A TRIAL BY JURY IN RESPECT OF ANY CLAIM BASED UPON, ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT AND THE TRANSACTIONS CONTEMPLATED BY THIS AGREEMENT, THE REGISTRATION STATEMENT, ANY PRELIMINARY PROSPECTUS AND THE PROSPECTUS.

18. <u>Entire Agreement</u>. This Agreement, together with the exhibit attached hereto and as the same may be amended from time to time in accordance with the terms hereof, contains the entire agreement among the parties hereto relating to the subject matter hereof and there are no other or further agreements outstanding not specifically mentioned herein.

19. <u>Severability</u>. If any term or provision of this Agreement or the performance thereof shall be invalid or unenforceable to any extent, such invalidity or unenforceability shall not affect or render invalid or unenforceable any other provision of this Agreement and this Agreement shall be valid and enforced to the fullest extent permitted by law.

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

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

[Signature Page Follows]

¹ NTD: Please confirm that this agreement will not be executed until the S-1 is declared effective. The Company will file a form of the agreement with the S-1/A.

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

Very truly yours,

CYTORI THERAPEUTICS, INC.

By:

Name: Title:

Accepted by the Dealer-Manager as of the date first written above:

MAXIM GROUP LLC

By:

Name: Title:

[Signature Page to Dealer-Manager Agreement]

FORM OF NON-TRANSFERABLE SUBSCRIPTION RIGHTS CERTIFICATE

RIGHTS CERTIFICATE # [____]

NUMBER OF RIGHTS: [____]

THE TERMS AND CONDITIONS OF THE RIGHTS OFFERING ARE SET FORTH IN THE COMPANY'S PROSPECTUS DATED [_____], 2016 (THE "**PROSPECTUS**") AND ARE INCORPORATED HEREIN BY REFERENCE. COPIES OF THE PROSPECTUS ARE AVAILABLE UPON REQUEST FROM BROADRIDGE CORPORATE ISSUER SOLUTIONS, INC., THE INFORMATION AGENT.

CYTORI THERAPEUTICS, INC. (Incorporated under the laws of the State of Delaware)

SUBSCRIPTION RIGHTS CERTIFICATE

Evidencing non-transferable Subscription Rights, each to purchase Units of Cytori Therapeutics, Inc., each Unit consisting of one share of Common Stock and 0.5 of a warrant Subscription Price: \$4.00 per Unit

THE SUBSCRIPTION RIGHTS WILL EXPIRE IF NOT EXERCISED ON OR BEFORE 5:00 P.M., EASTERN TIME, ON JUNE 9, 2016, SUBJECT TO EXTENSION OR EARLIER TERMINATION.

THIS CERTIFIES THAT

the registered owner whose name is inscribed hereon and is the owner of the number of subscription rights ("**Subscription Rights**") set forth above. Each Subscription Right entitles the holder thereof to subscribe for and purchase (the "**Basic Subscription Right**") one Unit of Cytori Therapeutics, a Delaware corporation, at a subscription price of \$4.00 per Unit (the "**Subscription Price**"), pursuant to a rights offering (the "**Rights Offering**"), on the terms and subject to the conditions set forth in the Prospectus and the "Instructions as to Use of Cytori Therapeutics, Inc. Subscription Rights Certificates" accompanying this Subscription Rights Certificate. Each Unit consists of one share of common stock, par value of \$0.001 ("**Common Stock**"), and 0.5 of a warrant. Each whole Warrant will be exercisable for one share of our common stock. Holders who fully exercise their Basic Subscription Rights are entitled to subscribe for additional Units that remain unsubscribed for as a result of any unexercised Basic Subscription Rights pursuant to the terms and conditions of the Rights Offering, subject to proration and stock ownership limitations, as described in the Prospectus (the "**Over-subscription Privilege**"). The Subscription Rights represented by this Subscription Rights Certificate may be exercised by completing the appropriate forms on the reverse side hereof and by returning the full payment of the subscription price for each Unit. If the subscriber attempts to exercise its Over-subscription Privilege and the Company is unable to issue the subscriber the full amount of Units requested, the Subscription Agent will return to the subscriber any excess funds submitted as soon as practicable, without interest or deduction.

This Subscription Rights Certificate is not valid unless countersigned by Broadridge Corporate Issuer Solutions, Inc., the Subscription Agent.

WITNESS the seal of Cytori Therapeutics, Inc. and the signatures of its duly authorized officers.

Dated: [____], 2016

Marc H. Hedrick, M.D., President & Chief Executive Officer

Tiago Girão, Chief Financial Officer

COUNTERSIGNED AND REGISTERED:

By:

Broadridge Corporate Issuer Solutions, Inc.

FORM ELECTION TO PURCHASE

PLEASE PRINT ALL INFORMATION CLEARLY AND LEGIBLY.

The registered holder of this Subscription Rights Certificate is entitled to exercise the number of Subscription Rights shown in the upper right hand corner of the Subscription Rights Certificate and may subscribe for additional Units upon the terms and conditions specified in the Prospectus. The undersigned hereby represents, in connection with this election, that the undersigned has not since the Record Date entered into any short sale or similar transaction with respect to the common stock of Cytori Therapeutics, Inc. The undersigned hereby notifies the Subscription Agent of its irrevocable election to subscribe for Units in the following amounts. To subscribe for Units pursuant to your Basic Subscription Right, please complete lines (a) and (c) below. To subscribe for additional Units pursuant to your Over-subscription Privilege, please also complete line (b).

(a) EXERCISE OF BASIC SUBSCRIPTION RIGHT:

Basic Subscription Right:		Х	\$[]	=	\$
	Number of Units		Subscription price		Payment enclosed

(b) **EXERCISE OF OVER-SUBSCRIPTION PRIVILEGE:** If you have exercised your Basic Subscription Right in full, you may subscribe for additional Units pursuant to your Over-subscription Privilege

Over-Subscription Privilege:	Х	\$[]	=	\$
Number of Units		Subscription price		Payment enclosed

(c) TOTAL AMOUNT OF PAYMENT ENCLOSED \$_____

(d) IF YOU SPOKE WITH A BROKER WHO SOLICITED SUCH EXERCISE, PLEASE INDICATE THE NAME OF THE PERSON YOU SPOKE WITH: ______

METHOD OF PAYMENT (CHECK ONE):

- □ CERTIFIED CHECK DRAWN ON A U.S. BANK, payable to "Broadridge Corporate Issuer Solutions, Inc., as Subscription Agent for Cytori Therapeutics, Inc."
- □ Wire transfer of immediately available funds directly to the account maintained by Broadridge Corporate Issuer Solutions, Inc., as Subscription Agent, for purposes of accepting subscriptions in this Rights Offering at ______, ABA: ______, Account #: ______ FBO Cytori Therapeutics, Inc., with reference to the name of the Subscription Rights holder.
- □ U.S. POSTAL MONEY ORDER, payable to "Broadridge Corporate Issuer Solutions, Inc., as Subscription Agent for Cytori Therapeutics, Inc."
- □ UNCERTIFIED PERSONAL CHECK, payable to "Broadridge Corporate Issuer Solutions, Inc., as Subscription Agent for Cytori Therapeutics, Inc." (which must clear before the Expiration Date to be considered a valid form of payment; please see Prospectus and Instructions)

I acknowledge receipt of the Prospectus in connection with the Rights Offering and agree to its terms. I agree to cooperate with the Company and provide to the Company any and all information requested by the Company in connection with the exercise of the Subscription Rights.

Signature(s) of Subscriber(s)

Signature(s) of Subscriber(s)

IMPORTANT: THE SIGNATURE(S) MUST CORRESPOND IN EVERY PARTICULAR, WITHOUT ALTERATION, WITH THE NAME(S) AS PRINTED ON THE FRONT OF THIS RIGHTS CERTIFICATE. If signature is by trustee(s), executor(s), administrator(s), guardian(s), attorney(s)-in-fact, officer(s) of a corporation or another acting in a fiduciary or representative capacity, please print name and title of authorized signer.

FOR INSTRUCTIONS ON THE USE OF CYTORI THERAPEUTICS, INC. SUBSCRIPTION RIGHTS CERTIFICATES, CONSULT BROADRIDGE CORPORATE ISSUER SOLUTIONS, INC., THE INFORMATION AGENT, AT (855) 793-5068 (TOLL FREE).

[Form of Warrant Certificate]

[FACE]

Number: R-___

THIS WARRANT SHALL BE VOID IF NOT EXERCISED PRIOR TO THE EXPIRATION OF THE EXERCISE PERIOD PROVIDED FOR IN THE WARRANT AGREEMENT DESCRIBED BELOW CYTORITHERAPEUTICS, INC.

Incorporated Under the Laws of the State of Delaware

CUSIP []

Series R Warrant Certificate

The Warrants evidenced by this Warrant Certificate are part of a duly authorized issue of Warrants entitling the holder on exercise to receive shares of Common Stock and are issued or to be issued pursuant to a Warrant Agreement dated as of [_____], 2016 (the "*Warrant Agreement*"), duly executed and delivered by the Company to Broadridge Corporate Issuer Solutions, Inc., a corporation having its principal offices in Philadelphia, Pennsylvania, as warrant agent (the "*Warrant Agreemt*"), which Warrant Agreement is hereby incorporated by reference in and made a part of this instrument and is hereby referred to for a description of the rights, limitation of rights, obligations, duties and immunities thereunder of the Warrant Agreement may be obtained by the holders or Registered Holder) of the Warrants. A copy of the Warrant Agreement may be obtained by the holder hereof upon written request to the Company. Defined terms used in this Warrant Certificate but not defined herein shall have the meanings given to them in the Warrant Agreement.

Warrants may be exercised at any time during the Exercise Period set forth in the Warrant Agreement. Notwithstanding the foregoing or anything else herein or in the Warrant Agreement to the contrary, for so long as the holder continues to hold the Warrant, such holder shall not enter into any short sale or similar transaction with respect to the Common Stock. The holder of Warrants evidenced by this Warrant Certificate may exercise them by delivering (i) this Warrant Certificate, or, in the case of a Book-Entry Warrant Certificate (as defined in the Warrant Agreement), the Warrants to be exercised (the "**Book-Entry Warrants**") as shown on the records of The Depository Trust Company (the "**Depository**") to an account of the Warrant Agent at the Depository designated for such purpose in writing by the Warrant Agent to the Depository, (ii) an election to purchase ("**Exercise Notice**"), properly executed by the holder hereof on the reverse of this Warrant Certificate or properly executed by the institution in whose account the Warrant is recorded on the records of the Depository (the "**Participant**"), and substantially in the form included on the reverse of this Warrant Certificate and (iii) the Warrant Price for each Warrant to be exercised in lawful money of the United States by certified or official bank check or by bank wire transfer in immediately available funds, in each case payable to the Warrant Agent, unless a "**cashless exercise**" is permitted under the Warrant Agreement.

In the event that upon any exercise of Warrants evidenced hereby the number of Warrants exercised shall be less than the total number of Warrants evidenced hereby, there shall be issued to the holder hereof or his, her or its assignee, a new Warrant Certificate evidencing the number of Warrants not exercised. If fewer than all the Warrants evidenced by a Book-Entry Warrant Certificate are exercised, a notation shall be made to the records maintained by the Depository, its nominee for each Book-Entry Warrant Certificate, or a Participant, as appropriate, evidencing the balance of the Warrants remaining after such exercise.

Notwithstanding anything else in this Warrant Certificate or the Warrant Agreement, no Warrant may be exercised unless at the time of exercise (i) a registration statement covering the shares of Common Stock to be issued upon exercise is effective under the Securities Act and (ii) a prospectus thereunder relating to the shares of Common Stock is current, except through "*cashless exercise*" as provided for in the Warrant Agreement.

The Warrant Agreement provides that upon the occurrence of certain events the number of shares of Common Stock issuable upon exercise of the Warrants set forth on the face hereof may, subject to certain conditions, be adjusted. If, upon exercise of a Warrant, the holder thereof would be entitled to receive a fractional interest in a share of Common Stock, the Company shall, upon exercise, either round up to the nearest whole number of shares of Common Stock to be issued to the holder of the Warrant or pay such holder cash for such fractional share in the Company's sole discretion.

Warrant Certificates, when surrendered at the office of the Warrant Agent designated for such purposes by the Registered Holder thereof in person or by legal representative or attorney duly authorized in writing, may be exchanged, in the manner and subject to the limitations provided in the Warrant Agreement, but without payment of any service charge, for another Warrant Certificate or Warrant Certificates of like tenor evidencing in the aggregate a like number of Warrants.

Upon due presentation for registration of transfer of this Warrant Certificate at the office of the Warrant Agent, a new Warrant Certificate or Warrant Certificates of like tenor and evidencing in the aggregate a like number of Warrants shall be issued to the transferee(s) in exchange for this Warrant Certificate, subject to the limitations provided in the Warrant Agreement, without charge except for any tax or other governmental charge imposed in connection therewith.

The Company and the Warrant Agent may deem and treat the Registered Holder(s) hereof as the absolute owner(s) of this Warrant Certificate (notwithstanding any notation of ownership or other writing hereon made by anyone), for the purpose of any exercise hereof, of any distribution to the holder(s) hereof, and for all other purposes, and neither the Company nor the Warrant Agent shall be affected by any notice to the contrary. Neither the Warrants nor this Warrant Certificate entitles any holder hereof to any rights of a stockholder of the Company.

NOTICE OF EXERCISE

(To Be Executed Upon Exercise of Warrant)

CASH EXERCISE:

The undersigned hereby irrevocably elects to exercise the rights represented by this Warrant Certificate to receive _______ shares of Common Stock and herewith tenders payment for such shares to the order of Cytori Therapeutics, Inc. (the "*Company*") in the amount of \$______ in accordance with the terms hereof. The undersigned requests that a certificate for such shares be registered in the name of _______, whose address is _______ and that such shares be delivered to _______ whose address is _______. If said number of shares is less than all of the shares of Common Stock purchasable hereunder, the undersigned requests that a new Warrant Certificate representing the remaining balance of such shares be registered in the name of ______, whose address is ______, and that such Warrant Certificate be delivered to ______, whose address is ______.

CASHLESS EXERCISE:

In the event that the Warrant may be exercised, to the extent allowed by the Warrant Agreement, through cashless exercise, (i) the number of shares that this Warrant is exercisable for would be determined in accordance with section 3.3.2 of the Warrant Agreement which allows for such cashless exercise and (ii) the holder hereof shall complete the following:

The undersigned hereby irrevocably elects to exercise the right, represented by this Warrant Certificate, through the cashless exercise provisions of the Warrant Agreement, to receive shares of Common Stock. If said number of shares is less than all of the shares of Common Stock purchasable hereunder (after giving effect to the cashless exercise), the undersigned requests that a new Warrant Certificate representing the remaining balance of such shares be registered in the name of ______, whose address is ______, and that such Warrant Certificate be delivered to ______, whose address is ______.

Date:_____, 20___

(Signature)

(Address)

(Tax Identification Number)

Signature must conform in all respects to the name of the holder as specified on the face of this Warrant Certificate. If Warrant Shares, or a Warrant Certificate evidencing unexercised Warrants, are to be issued in a name other than that of the registered holder hereof or are to be delivered to an address other than the address of such holder as shown on the books of the Warrant Agent, the above signature must be guaranteed by a an Eligible Guarantor Institution (as that term is defined in Rule 17Ad-15 of the Securities Exchange Act of 1934, as amended).

Signature Guaranteed:

THE SIGNATURE(S) SHOULD BE GUARANTEED BY AN ELIGIBLE GUARANTOR INSTITUTION (BANKS, STOCKBROKERS, SAVINGS AND LOAN ASSOCIATIONS AND CREDIT UNIONS WITH MEMBERSHIP IN AN APPROVED SIGNATURE GUARANTEE MEDALLION PROGRAM, PURSUANT TO RULE 17Ad-15).

ASSIGNMENT

(FORM OF ASSIGNMENT TO BE EXECUTED IF WARRANT HOLDER DESIRES TO TRANSFER WARRANTS EVIDENCED HEREBY)

FOR VALUE RECEIVED, _____ HEREBY SELL(S), ASSIGN(S) AND TRANSFER(S) UNTO

(Please insert social security or other identifying number of assignee)

(Please print name and address including zip code of assignee)

the rights represented by the within Warrant Certificate and does hereby irrevocably constitute and appoint ______ Attorney to transfer said Warrant Certificate on the books of the Warrant Agent with full power of substitution in the premises.

Date: _____, 20___

(Signature)

(Address)

(Tax Identification Number)

Signature must conform in all respects to the name of the holder as specified on the face of this Warrant Certificate and must bear a signature guarantee by an Eligible Guarantor Institution (as that term is defined in Rule 17Ad-15 of the Securities Exchange Act of 1934, as amended).

Signature Guaranteed:

THE SIGNATURE(S) SHOULD BE GUARANTEED BY AN ELIGIBLE GUARANTOR INSTITUTION (BANKS, STOCKBROKERS, SAVINGS AND LOAN ASSOCIATIONS AND CREDIT UNIONS WITH MEMBERSHIP IN AN APPROVED SIGNATURE GUARANTEE MEDALLION PROGRAM, PURSUANT TO RULE 17Ad-15).

WARRANT AGENT AGREEMENT

WARRANT AGENT AGREEMENT made as of , 2016 ("<u>Issuance Date</u>"), between Cytori Therapeutics, Inc., a Delaware corporation (the "<u>Company</u>"), and Broadridge Corporate Issuer Solutions, Inc., a corporation having its principal offices in Philadelphia, Pennsylvania (the "<u>Warrant Agent</u>").

WHEREAS, the Company is engaged in a public rights offering (the "<u>Offering</u>") of the Company's Common Stock (as defined below) together with Warrants (as defined below) to purchase Common Stock and, in connection therewith, has distributed to holders of its common stock, par value \$0.001 per share ("<u>Common Stock</u>"), rights to subscribe to purchase units in the Offering (the "Units"). Each Unit consists of one share of Common Stock (the "<u>Shares</u>") and 0.5 of a "Series R" warrant (the "<u>Warrants</u>" and, together with the Units, the Shares and the Warrant Shares (as defined below), the "<u>Securities</u>"). Each whole Warrant represents the right to purchase one share of Common Stock. Each Warrant entitles the holder thereof to purchase one share of Common Stock at an exercise price of \$4.80 per share, subject to adjustment as described herein; and

WHEREAS, the Company has filed with the U.S. Securities and Exchange Commission a Registration Statement, No. 333-210628 on Form S-1 (as the same may be amended from time to time, the "<u>Registration Statement</u>") for the registration, under the Securities Act of 1933, as amended (the "<u>Act</u>") of the Securities, including the Warrants and the Common Stock issuable upon exercise of the Warrants (the "<u>Warrant Shares</u>"); and

WHEREAS, the Company desires the Warrant Agent to act on behalf of the Company, and the Warrant Agent is willing to so act, in connection with the issuance, registration, transfer, exchange and exercise of the Warrants; and

WHEREAS, the Company desires to provide for the form and provisions of the Warrants, the terms upon which they shall be issued and exercised, and the respective rights, limitation of rights, and immunities of the Company, the Warrant Agent, and the holders of the Warrants or if the Warrants are held in "street name", a Participant (as defined below) or a designee appointed by such Participant (each, a "<u>Holder</u>" or "<u>Registered Holder</u>"); and

WHEREAS, all acts and things have been done and performed which are necessary to make the Warrants, when executed on behalf of the Company and countersigned by or on behalf of the Warrant Agent, as provided herein, the valid, binding and legal obligations of the Company, and to authorize the execution and delivery of this Warrant Agreement.

NOW, THEREFORE, in consideration of the mutual agreements herein contained, the parties hereto agree as follows:

1. <u>Appointment of Warrant Agent</u>. The Company hereby appoints the Warrant Agent to act as agent for the Company for the Warrants, and the Warrant Agent hereby accepts such appointment and agrees to perform the same in accordance with the terms and conditions set forth in this Warrant Agreement.

2. Warrants.

2.1 Form of Warrant. Each Warrant shall be issued in registered form only, shall be in substantially the form of Exhibit <u>A</u> hereto, the provisions of which are incorporated herein, and shall be signed by, or bear the facsimile or electronic signature of, the Chief Executive Officer, President, Chief Financial Officer or Treasurer, Secretary or Assistant Secretary of the Company. In the event the person whose facsimile signature has been placed upon any Warrant shall have ceased to serve in the capacity in which such person signed the Warrant before such Warrant is issued, it may be issued with the same effect as if he or she had not ceased to be such at the date of issuance. All of the Warrants shall initially be represented by one or more book-entry certificates (each a "Book-Entry Warrant Certificate").

2.2. <u>Effect of Countersignature</u>. Unless and until countersigned by the Warrant Agent pursuant to this Warrant Agreement, a Warrant shall be invalid and of no effect and may not be exercised by the holder thereof.

2.3. Registration.

2.3.1. Warrant Register. The Warrant Agent shall maintain books ("Warrant Register"), for the registration of original issuance and the registration of transfer of the Warrants. Upon the initial issuance of the Warrants, the Warrant Agent shall issue and register the Warrants in the names of the respective holders thereof in such denominations and otherwise in accordance with instructions delivered to the Warrant Agent by the Company. To the extent the Warrants are eligible for the book entry and depository services of The Depository Trust Company ("DTC eligible") as of the Issuance Date (as defined below), all of the Warrants shall be represented by one or more Book-Entry Warrant Certificates deposited with The Depository Trust Company (the "Depository") and registered in the name of Cede & Co., a nominee of the Depository. Ownership of beneficial interests in the Book-Entry Warrant Certificates shall be shown on, and the transfer of such ownership shall be effected through, records maintained (i) by the Depository or its nominee for each Book-Entry Warrant Certificate; (ii) by institutions that have accounts with the Depository (such institution, with respect to a Warrant in its account, a "Participant"); or (iii) directly on the book-entry records of the Warrant Agent with respect only to owners of beneficial interests represented by such direct registration.

If the Warrants are not DTC eligible as of the Issuance Date or the Depository subsequently ceases to make its book-entry settlement system available for the Warrants, the Company may instruct the Warrant Agent regarding making other arrangements for book-entry settlement within ten (10) days after the Depository ceases to make its book-entry settlement available. In the event that the Company does not make alternative arrangements for book-entry settlement within ten (10) days or the Warrants are not eligible for, or it is no longer necessary to have the Warrants available in, book-entry form, the Warrant Agent shall provide written instructions to the Depository deliver to the Warrant Agent for cancellation each Book-Entry Warrant Certificate, and the Company shall instruct the Warrant Agent to deliver to the Depository definitive certificates ("<u>Warrant Certificates</u>") in physical form evidencing such Warrants. Such Warrant Certificates shall be in substantially the form annexed hereto as <u>Exhibit A</u>.

2.3.2. <u>Beneficial Owner; Registered Holder</u>. The term "beneficial owner" shall mean any person in whose name ownership of a beneficial interest in the Warrants evidenced by a Book-Entry Warrant Certificate is recorded in the records maintained by the Depository or its nominee. Prior to due presentment for registration of transfer of any Warrant, the Company and the Warrant Agent may deem and treat the person in whose name such Warrant shall be registered upon the Warrant Register ("<u>registered holder</u>"), as the absolute owner of such Warrant and of each Warrant represented thereby (notwithstanding any notation of ownership or other writing on the Warrant Certificate made by anyone other than the Company or the Warrant Agent), for the purpose of any exercise thereof and for all other purposes, and neither the Company nor the Warrant Agent shall be affected by any notice to the contrary.

2.4. <u>FAST Program</u>. If the Company's transfer agent is not participating in the Depository's Fast Automated Securities Transfer Program and the registered holder requests that the shares of Common Stock be issued or registered to a holder other than the registered holder, then an ink-original Election to Purchase and a medallion guarantee shall be required.

2.5 <u>Separate Transferability of Warrants</u>. The Warrants will be issued as a separate security from any Common Stock issued concurrently in the offering of the Warrants and will be separately transferable immediately upon issuance.

2.6 <u>Uncertificated Warrants</u>. Notwithstanding the foregoing and anything else herein to the contrary, the Warrants may be issued in uncertificated form.

3. Terms and Exercise of Warrants.

3.1. <u>Exercise Price</u>. Each Warrant shall, when countersigned by the Warrant Agent, entitle the registered holder thereof, subject to the provisions of such Warrant and of this Warrant Agreement, to purchase from the Company the number of shares of Common Stock stated therein, at the price of \$4.80 per whole share, subject to the subsequent adjustments provided in Section 5 hereof. The term "Exercise Price" as used in this Warrant Agreement refers to the price per share at which Common Stock may be purchased at the time a Warrant is exercised.

3.2. <u>Duration of Warrants</u>. A Warrant may be exercised only during the period ("<u>Exercise Period</u>") commencing immediately following the closing of the Offering (the "<u>Issuance Date</u>") and terminating at 5:00 P.M., New York City time on the date that is thirty (30) months after the closing date of the Offering ("<u>Expiration Date</u>") *provided, however*, that the exercise of any Warrant shall be subject to the satisfaction of any applicable conditions, as set forth in Section 3.3.7 or with respect to an effective registration statement. Each Warrant not exercised on or before the Expiration Date shall become void, and all rights thereunder and all rights in respect thereof under this Warrant Agreement shall cease at 5:00 P.M. New York City time on the Expiration Date. Notwithstanding the foregoing or anything else herein to the contrary, for so long as the holder continues to hold a Warrant, such holder shall not enter into any short sale or similar transaction with respect to the Common Stock. Any violation of this provision may result in the Warrant being terminated at the Company's option.

3.3. Exercise of Warrants.

3.3.1. Exercise and Payment. A registered holder may exercise a Warrant by delivering, not later than 5:00 P.M., New York City time, on any business day during the Exercise Period (the "<u>Exercise Date</u>") to the Warrant Agent at its corporate trust department (i) the Warrant Certificate evidencing the Warrants to be exercised, or, in the case of a Book-Entry Warrant Certificate, the Warrants to be exercised (the "<u>Book-Entry Warrants</u>") shown on the records of the Depository to an account of the Warrant Agent at the Depository designated for such purpose in writing by the Warrant Agent to the Depository from time to time, (ii) an election to purchase the Warrant Shares underlying the Warrants to be exercised ("<u>Election to Purchase</u>"), properly completed and executed by the registered holder on the reverse of the Warrant Certificate or, in the case of a Book-Entry Warrant Certificate, properly delivered by the Participant in accordance with the Depository's procedures, and (iii) the Exercise Price for each Warrant to be exercised in lawful money of the United States of America by certified or official bank check or by bank wire transfer in immediately available funds. The Registered Holder shall not be required to deliver the original Warrant in order to effect an exercise hereunder.

If any of (A) the Warrant Certificate or the Book-Entry Warrants, (B) the Election to Purchase, or (C) the Exercise Price therefor, is received by the Warrant Agent after 5:00 P.M., New York City time, on the specified Exercise Date, the Warrants will be deemed to be received and exercised on the business day next succeeding the Exercise Date. If the date specified as the Exercise Date is not a business day, the Warrants will be deemed to be received and exercised and exercise thereof will be null and void and any funds delivered to the Warrant Agent will be returned to the registered holder or Participant, as the case may be, as soon as practicable. In no event will interest accrue on funds deposited with the Warrant Agent in respect of an exercise or attempted exercise of Warrants. The validity of any exercise of Warrants will be determined by the Company in its sole discretion and such determination will be final and binding upon the registered holder or Participant, as applicable, and the Warrant Agent. Neither the Company nor the Warrant Agent shall have any obligation to inform a registered holder or the Participant, as applicable, of the invalidity of any exercise of Warrants.

The Warrant Agent shall deposit all funds received by it in payment of the Exercise Price in the account of the Company maintained with the Warrant Agent for such purpose and shall confirm the balance in the account at any time following such request from the Company.

3.3.2. <u>Issuance of Certificates</u>. The Warrant Agent shall, by 11:00 A.M. New York City time on the third business day following the Exercise Date of any Warrant, advise the Company or the transfer agent and registrar in respect of (a) the Warrant Shares issuable upon such exercise as to the number of Warrants exercised in accordance with the terms and conditions of this Agreement, (b) the instructions of each registered holder or Participant, as the case may be, with respect to delivery of the Warrant Shares issuable upon such exercise, and the delivery of definitive Warrant Certificates, as appropriate, evidencing the balance, if any, of the Warrants remaining after such exercise, (c) in case of a Book-Entry Warrant Certificate, the notation that shall be made to the records maintained by the Depository, its nominee for each Book-Entry Warrant Certificate, or a Participant, as appropriate, evidencing the balance, if any, of the Warrants remaining after such exercise and (d) such other information as the Company or such transfer agent and registrar shall reasonably require.

The Company shall, by 5:00 P.M., New York City time, on the third business day next succeeding the Exercise Date of any Warrant and the clearance of the funds in payment of the Exercise Price, execute, issue and deliver to the Warrant Agent the Warrant Shares to which such registered holder or Participant, as the case may be, is entitled, in fully registered form, registered in such name or names as may be directed by such registered holder or the Participant, as the case may be. Upon receipt of such Warrant Shares, the Warrant Agent shall, by 5:00 P.M., New York City time, on the fifth Business Day next succeeding such Exercise Date, transmit such Warrant Shares to or upon the order of the registered holder or Participant, as the case may be.

In lieu of delivering physical certificates representing the Warrant Shares issuable upon exercise, provided the Company's transfer agent is participating in the Depository's Fast Automated Securities Transfer program, the Company shall use its reasonable best efforts to cause its transfer agent to electronically transmit the Warrant Shares issuable upon exercise to the Depository by crediting the account of the Depository or of the Participant through its Deposit Withdrawal Agent Commission system. The time periods for delivery described in the immediately preceding paragraph shall apply to the electronic transmittals described herein. If the Company's transfer agent is not participating in the Depository's Fast Automated Securities Transfer Program and the Registered Holder requests that the shares of Common Stock be issued or registered to a holder other than the registered holder, then an ink-original Election to Purchase and a medallion guarantee shall be required.

3.3.3. <u>Valid Issuance</u>. All shares of Common Stock issued upon the proper exercise of a Warrant in conformity with this Warrant Agreement shall be validly issued, fully paid and nonassessable.

3.3.4. <u>No Fractional Exercise</u>. Warrants may be exercised only in whole numbers of Warrant Shares. No fractional Warrant Shares are to be issued upon the exercise of the Warrant, but rather the number of Warrant Shares to be issued shall be rounded up to the nearest whole number. If fewer than all of the Warrants evidenced by a Warrant Certificate are exercised, a new Warrant Certificate for the number of unexercised Warrants remaining shall be executed by the Company and countersigned by the Warrant Agent as provided in Section 2 of this Warrant Agreement, and delivered to the holder of this Warrant Certificate at the address specified on the books of the Warrant Agent or as otherwise specified by such registered holder. If fewer than all the Warrants evidenced by a Book-Entry Warrant Certificate are exercised, a notation shall be made to the records maintained by the Depository, its nominee for each Book-Entry Warrant Certificate, or a Participant, as appropriate, evidencing the balance of the Warrants remaining after such exercise.

3.3.5 <u>No Transfer Taxes</u>. The Company shall not be required to pay any stamp or other tax or governmental charge required to be paid in connection with any transfer involved in the issue of the Warrant Shares upon the exercise of Warrants; and in the event that any such transfer is involved,

the Company shall not be required to issue or deliver any Warrant Shares until such tax or other charge shall have been paid or it has been established to the Company's satisfaction that no such tax or other charge is due.

3.3.6 <u>Date of Issuance</u>. Each person in whose name any such certificate for shares of Common Stock is issued or to whom shares of Common Stock are credited to such person's account at the Depository shall for all purposes be deemed to have become the holder of record of such Common Stock as of the time that a duly executed Election to Purchase is delivered in accordance with Section 3.3.1, provided that, in the case of a cash exercise, payment of the Aggregate Exercise Price is made within two (2) Trading Days after the delivery of the Election to Purchase, and if the payment of the Aggregate Exercise Price is not made within two (2) Trading Days after the delivery of the Election to Purchase, the Holder shall be deemed to have become the holder of record of such Common Stock on the first Trading Day after the date on which the Aggregate Exercise Price has been paid,, irrespective of the date of delivery of such certificate or the date the shares of Common Stock are credited to such person's account at the Depository, except that, if the date of such delivery and/or payment is a date when the stock transfer books of the Company are closed, such person shall be deemed to have become the holder of such save at the close of business on the next succeeding date on which the stock transfer books are open.

3.3.7 Cashless Exercise Under Certain Circumstances.

(i) The Company shall provide to the registered holder prompt written notice of any time that the Company is unable to issue the Warrant Shares via a transfer effected by the Depository or otherwise (without restrictive legend), because (A) the Commission has issued a stop order with respect to the Registration Statement, (B) the Commission otherwise has suspended or withdrawn the effectiveness of the Registration Statement, either temporarily or permanently, (C) the Company has suspended or withdrawn the effectiveness of the Registration Statement, either temporarily or permanently, or (D) otherwise (each a "Restrictive Legend Event"). To the extent that a Restrictive Legend Event occurs after the registered holder has exercised a Warrant in accordance with the terms of the Warrants but prior to the delivery of the Warrant Shares, the Company shall, at the election of the registered holder to be given within five (5) days of receipt of notice of the Restrictive Legend Event, either (A) rescind the previously submitted Election to Purchase and the Company shall return all consideration paid by registered holder for such shares upon such rescission or (B) treat the attempted exercise as a cashless exercise as described in the next paragraph and refund the cash portion of the exercise price to the registered holder.

(ii) If a Restrictive Legend Event has occurred [and no exemption from the registration requirements is available], the Warrant shall only be exercisable on a cashless basis. Notwithstanding anything herein to the contrary, the Company shall not be required to make any cash payments or net cash settlement to the registered holder in lieu of issuance of the Warrant Shares. Upon a "cashless exercise", the Holder shall be entitled to receive a certificate (or book entry) for the number of Warrant Shares equal to the quotient obtained by dividing [(A x B) - (A x C)] by (B), where:

- (A) = the total number of shares with respect to which this Warrant is then being exercised;
- (B) = the arithmetic average of the Closing Sale Prices (as defined below) of the Common Stock for the five (5) consecutive trading days ending on the date immediately preceding the date of the Election to Purchase; and
- (X) = the Exercise Price then in effect for the applicable shares of Common Stock at the time of such exercise.

Upon receipt of an Election to Purchase for a cashless exercise, the Warrant Agent will promptly deliver a copy of the Election to Purchase to the Company to confirm the number of Warrant Shares issuable in connection with the cashless exercise. The Company shall calculate and transmit to the Warrant Agent, and the Warrant Agent shall have no obligation under this section to calculate, the number of Warrant Shares issuable in connection with the cashless exercise.

"<u>Closing Sale Price</u>" means, for any security as of any date, the last closing bid price and last closing trade price, respectively, for such security on the NASDAQ Capital Market, as reported by Bloomberg, or, if the NASDAQ Capital Market begins to operate on an extended hours basis and does not designate the closing bid price or the closing trade price, as the case may be, then the last bid price or the last trade price, respectively, of such security prior to 4:00:00 p.m., New York time, as reported by Bloomberg, or, if the NASDAQ Capital Market is not the principal securities exchange or trading market for such security, the last closing bid price or last trade price, respectively, of such security on the principal securities exchange or trading market where such security is listed or traded as reported by Bloomberg, or if the foregoing do not apply, the last closing bid price or last trade price, respectively, of such security as reported by Bloomberg, or, if no closing bid price or last trade price, respectively, is reported for such security by Bloomberg, the average of the bid prices, or the ask prices, respectively, of any market makers for such security as reported in the OTC Link or "pink sheets" by OTC Markets Group Inc. (formerly Pink OTC Markets Inc.). If the Closing Sale Price cannot be calculated for a security on a particular date on any of the foregoing bases, the Closing Sale Price of such security on such date shall be the fair market value as determined in good faith by the Company. All such determinations to be appropriately adjusted for any stock dividend, stock split, stock combination or other similar transaction during the applicable calculation period.

3.3.8 <u>Disputes</u>. In the case of a dispute as to the determination of the Exercise Price or the arithmetic calculation of the Warrant Shares, the Company shall promptly issue to the registered holder the number of Warrant Shares that are not disputed.

4. Share Delivery Failure. If the Company shall fail, for any reason or for no reason, to issue to the Holder within three (3) trading days after receipt of the applicable Election to Purchase (the "Share Delivery Deadline"), a certificate for the number of shares of Common Stock to which the Holder is entitled upon the Holder's exercise of a Warrant or credit the Holder's balance account with the Depository for such number of shares of Common Stock to which the Holder is entitled upon the Holder's exercise of this Warrant (as the case may be, but in each case without a restrictive legend) (a "Delivery Failure"), and if on or after such Share Delivery Deadline the Holder purchases (in an open market transaction or otherwise) shares of Common Stock to deliver in satisfaction of a sale by the Holder of all or any portion of the number of shares of Common Stock issuable upon such exercise that the Holder so anticipated receiving from the Company, then, in addition to all other remedies available to it, the Company shall, within three (3) Business Days (as defined below) after the Holder's request and in the Holder's discretion, either (i) pay cash to the Holder in an amount equal to 100% of the Holder's total purchase price (including brokerage commissions and other out-of-pocket expenses, if any) for the shares of Common Stock so purchased (including, without limitation, by any other person in respect, or on behalf, of the Holder) (the "Buy-In Price"), at which point the Company's obligation to so issue and deliver such certificate or credit the Holder's balance account with the Depository for the number of shares of Common Stock to which the Holder is entitled upon the Holder's exercise hereunder (as the case may be) (and to issue such shares of Common Stock) shall terminate, or (ii) promptly honor its obligation to so issue and deliver to the Holder a certificate or certificates representing such shares of Common Stock or credit the Holder's balance account with the Depository for the number of shares of Common Stock to which the Holder is entitled upon the Holder's exercise hereunder (as the case may be) and pay cash to the Holder in an amount equal to the excess (if any) of the Buy-In Price over the product of (A) such number of shares of Common Stock multiplied by (B) the lowest Closing Sale Price of the shares of Common Stock on any trading day during the period commencing on the date of the applicable Election to Purchase and ending on the date immediately preceding the date of such issuance and payment under this clause (ii). The term "Business Day" as used in this Agreement shall mean any day except a Saturday, a Sunday or any other day on which commercial banks are required or authorized to close in the City of New York, State of New York. If the Company fails for any reason to deliver to the Holder the Common Stock subject to an Election to Purchase by the Share Delivery Deadline, the Company shall pay to the Holder, in cash, as liquidated damages and not as a penalty, for each \$1,000 of Common Stock subject to such exercise (based on the VWAP of the Common Stock on the date of the applicable Election to Purchase), \$10 per trading day (increasing to \$20 per trading day on the fifth trading day after such liquidated damages begin to accrue) for each Trading Day after such Share Delivery Deadline until such shares of

Common Stock are delivered or Holder rescinds such exercise. For the purposes of this provision "<u>VWAP</u>" means, for any date, the price determined by the first of the following clauses that applies: (a) if the Common Stock is then listed or quoted on the Nasdaq Capital Market, the daily volume weighted average price of the Common Stock for such date (or the nearest preceding date) on the Nasdaq Capital Market on which the Common Stock is then listed or quoted as reported by Bloomberg L.P. (based on a trading day from 9:30 a.m. (New York City time) to 4:02 p.m. (New York City time)), (b) if the Common Stock is listed or quoted on the OTCQB or OTCQX, the volume weighted average price of the Common Stock for such date (or the nearest preceding date) on OTCQB or OTCQX as applicable, (c) if the Common Stock is not then listed or quoted for trading on OTCQB or OTCQX and if prices for the Common Stock are then reported in the "Pink Sheets" published by OTC Markets Group, Inc. (or a similar organization or agency succeeding to its functions of reporting prices), the most recent bid price per share of the Common Stock so reported, or (d) in all other cases, the fair market value of a share of Common Stock as determined by an independent appraiser selected in good faith by the Holders of a majority in interest of the Warrants then outstanding and reasonably acceptable to the Company, the fees and expenses of which shall be paid by the Company.

5. Adjustments.

5.1 Stock Dividends.

5.1.1 <u>Split-Ups</u>. If after the date hereof, and subject to the provisions of Section 5.5 below, the number of outstanding shares of Common Stock is increased by a stock dividend payable in shares of Common Stock on Common Stock, or by a split-up of shares of Common Stock or other similar event, then, on the effective date of such stock dividend, split-up or similar event, the number of shares of Common Stock issuable on exercise of each Warrant shall be increased in proportion to such increase in the outstanding shares of Common Stock and the Exercise Price shall be proportionally decreased such that the aggregate Exercise Price, after such adjustments, remains the same for each Warrant.

5.1.2 Extraordinary Dividends. If the Company, at any time while the Warrants are outstanding and unexpired, shall pay a dividend or make a distribution in cash, securities or other assets to the holders of the Common Stock as a class on account of such shares of Common Stock (or other shares of the Company's capital stock into which the Warrants are convertible), other than as described in subsection 5.1.1 (any such non-excluded event being referred to herein as an "Extraordinary Dividend"), then the Warrant Price shall be decreased, effective immediately after the effective date of such Extraordinary Dividend, by the amount of cash and/or the fair market value (as determined by the Board, in good faith) of any securities or other assets paid on each share of Common Stock (or other shares of the Company's capital stock into which the Warrants are convertible) in respect of such Extraordinary Dividend.

5.2 <u>Aggregation of Shares.</u> If after the date hereof, and subject to the provisions of Section 5.5, the number of outstanding shares of Common Stock is decreased by a consolidation, combination, reverse stock split or reclassification of shares of Common Stock or other similar event, then, on the effective date of such consolidation, combination, reverse stock split, reclassification or similar event, the number of shares of Common Stock issuable on exercise of each Warrant shall be decreased in proportion to such decrease in outstanding shares of Common Stock.

5.3. <u>Adjustments in Warrant Price</u>. Whenever the number of shares of Common Stock purchasable upon the exercise of the Warrants is adjusted, the Warrant Price shall be adjusted (to the nearest cent) by multiplying such Warrant Price immediately prior to such adjustment by a fraction (x) the numerator of which shall be the number of shares of Common Stock purchasable upon the exercise of the Warrants immediately prior to such adjustment, and (y) the denominator of which shall be the number of shares of Common Stock so purchasable immediately thereafter.

5.4. <u>Notices of Changes in Warrant</u>. Upon every adjustment of the Exercise Price or the number of shares issuable upon exercise of a Warrant, the Company shall give written notice thereof to the Warrant Agent, which notice shall state the Exercise Price resulting from such adjustment and the increase or decrease, if any, in the number of shares purchasable at such price upon the exercise of a Warrant, setting forth in reasonable detail the method of calculation and the facts upon which such calculation is based. Upon the occurrence of any event specified in Sections 5.1 or 5.2, then, in any such event, the Company shall give written notice to each registered holder, at the last address set forth for such holder in the warrant register, of the record date or the effective date of the event. Failure to give such notice, or any defect therein, shall not affect the legality or validity of such event.

5.5. No Fractional Shares. Notwithstanding any provision contained in this Agreement to the contrary, the Company shall not issue fractional shares or scrip representing fractional shares upon the exercise of Warrants. If, by reason of any adjustment made pursuant to this Section 5, the holder of any Warrant would be entitled, upon the exercise of such Warrant, to receive a fractional interest in a share, the Company shall, upon such exercise and at its sole election, either (i) pay a cash adjustment in respect of such final fraction in an amount equal to such fraction multiplied by the Warrant Price, or (ii) round up to the nearest whole number the number of shares of Common Stock to be issued to such Holder.

5.6. Form of Warrant. The form of Warrant need not be changed because of any adjustment pursuant to this Section 5, and Warrants issued after such adjustment may state the same Warrant Price and the same number of shares as is stated in the Warrants initially issued pursuant to this Agreement; provided, however, that the Company may at any time in its sole discretion make any change in the form of Warrant that the Company may deem appropriate and that does not affect the substance thereof, and any Warrant thereafter issued or countersigned, whether in exchange or substitution for an outstanding Warrant or otherwise, may be in the form as so changed.

6. Transfer and Exchange of Warrants.

6.1. <u>Registration of Transfer</u>. The Warrant Agent shall register the transfer, from time to time, of any outstanding Warrant upon the Warrant Register, upon surrender of such Warrant for transfer, properly endorsed with signatures properly guaranteed and accompanied by appropriate instructions for transfer. Upon any such transfer, a new Warrant representing an equal aggregate number of Warrants shall be issued and the old Warrant shall be cancelled by the Warrant Agent. The Warrants so cancelled shall be delivered by the Warrant Agent to the Company from time to time upon request.

6.2. <u>Procedure for Surrender of Warrants</u>. Warrants may be surrendered to the Warrant Agent, together with a written request for exchange or transfer reasonably acceptable to Warrant Agent, duly executed by the registered holder thereof, or by a duly authorized attorney, and thereupon the Warrant Agent shall issue in exchange therefor one or more new Warrants as requested by the registered holder of the Warrants so surrendered, representing an equal aggregate number of Warrants; provided, however, that except as otherwise provided herein or in any Book-Entry Warrant Certificate, each Book-Entry Warrant Certificate may be transferred only in whole and only to the Depository, to another nominee of the Depository, to a successor depository, or to a nominee of a successor depository; provided further, however, that in the event that a Warrant surrendered for transfer bears a restrictive legend, the Warrant Agent shall not cancel such Warrant and issue new Warrants in exchange therefor until the Warrant Agent has received an opinion of counsel for the Company stating that such transfer may be made and indicating whether the new Warrants must also bear a restrictive legend. Upon any such registration of transfer, the Company shall execute, and the Warrant Agent shall countersign and deliver, in the name of the designated transferee a new Warrant Certificate or Warrant Certificates of any authorized denomination evidencing in the aggregate a like number of unexercised Warrants.

6.3. <u>Fractional Warrants</u>. The Warrant Agent shall not be required to effect any registration of transfer or exchange which will result in the issuance of a Warrant Certificate for a fraction of a Warrant.

6.4. <u>Service Charges</u>. A service charge shall be made for any exchange or registration of transfer of Warrants, as negotiated between Company and Warrant Agent.

6.5. <u>Warrant Execution and Countersignature</u>. The Warrant Agent is hereby authorized to countersign and to deliver, in accordance with the terms of this Warrant Agreement, the Warrants required to be issued pursuant to the provisions of this Section 6, and the Company, whenever required by the Warrant Agent, will supply the Warrant Agent with Warrants duly executed on behalf of the Company for such purpose.

7. Limitations on Exercise. Neither the Warrant Agent nor the Company shall effect any exercise of any Warrant, and a registered holder shall not have the right to exercise any portion of a Warrant, to the extent that after giving effect to the issuance of shares of Common Stock after exercise as set forth on the applicable Election to Purchase, the registered holder (together with such registered holder's Affiliates (as defined in Rule 405 under Act), and any other persons acting as a group together with the registered holder or any of the registered holder's Affiliates), would beneficially own in excess of 4.99% of the Company's Common Stock (the "Maximum Percentage"). For purposes of the foregoing sentence, the number of shares of Common Stock beneficially owned by the registered holder and its Affiliates shall include the number of shares of Common Stock issuable upon exercise of the Warrant with respect to which such determination is being made, but shall exclude (i) the number of shares of Common Stock which would be issuable upon exercise of the remaining, nonexercised portion of any Warrant beneficially owned by the registered holder or any of its Affiliates and (ii) exercise or conversion of the unexercised or unconverted portion of any other securities of the Company beneficially owned by the Registered Holder or any of its affiliates (including, without limitation, any convertible notes or convertible preferred stock or warrants) subject to a limitation on conversion or exercise analogous to the limitation contained herein. Except as set forth in the preceding sentence, for purposes of this Section 7, beneficial ownership shall be calculated in accordance with Section 13(d) of the Exchange Act and the rules and regulations promulgated thereunder, it being acknowledged by the registered holder that neither the Warrant Agent nor the Company is representing to the registered holder that such calculation is in compliance with Section 13(d) of the Exchange Act and the registered holder is solely responsible for any schedules required to be filed in accordance therewith. To the extent that the limitation contained in this Section 7 applies, the determination of whether a Warrant is exercisable (in relation to other securities owned by the registered holder together with any Affiliates) and of which portion of a Warrant is exercisable shall be in the sole discretion of the registered holder, and the submission of an Election to Purchase shall be deemed to be the registered holder's determination of whether such Warrant is exercisable (in relation to other securities owned by the registered holder together with any Affiliates) and of which portion of a Warrant is exercisable, and neither the Warrant Agent nor the Company shall have any obligation to verify or confirm the accuracy of such determination and neither of them shall have any liability for any error made by the registered holder. In addition, a determination as to any group status as contemplated above shall be determined in accordance with Section 13(d) of the Exchange Act and the rules and regulations promulgated thereunder. For purposes of this Section 7, in determining the number of outstanding shares of Common Stock, a registered holder may rely on the number of outstanding shares of Common Stock as reflected in (A) the Company's most recent periodic or annual report filed with the Securities and Exchange Commission, as the case may be, (B) a more recent public announcement by the Company or (C) a more recent written notice by the Company or the Company's transfer agent setting forth the number of shares of Common Stock outstanding. The provisions of this Section 7 shall be construed and implemented in a manner otherwise than in strict conformity with the terms of this Section 6 to correct this subsection (or any portion hereof) which may be defective or inconsistent with the intended beneficial ownership limitation herein contained or to make changes or supplements necessary or desirable to properly give effect to such limitation. The limitations contained in this paragraph shall apply to a successor holder of a Warrant.

8. Other Provisions Relating to Rights of Holders of Warrants.

8.1. <u>No Rights as Stockholder</u>. Except as otherwise specifically provided herein, a registered holder, solely in its capacity as a holder of a Warrant, shall not be entitled to vote or receive dividends or be deemed the holder of share capital of the Company for any purpose, nor shall anything contained in this Warrant Agreement be construed to confer upon a registered holder, solely in its capacity as the registered holder of a Warrant, any of the rights of a stockholder of the Company or any right to vote, give or withhold consent to any corporate action (whether any reorganization, issue of stock, reclassification of stock, consolidation, merger, conveyance or otherwise), receive notice of meetings, receive dividends or subscription rights, or otherwise, prior to the issuance to the registered holder of the Warrant Shares which it is then entitled to receive upon the due exercise of a Warrant. A Warrant does not entitle the registered holder thereof to any of the rights of a stockholder.

8.2. Lost, Stolen, Mutilated, or Destroyed Warrants. If any Warrant is lost, stolen, mutilated, or destroyed, the Company and the Warrant Agent may on such terms as to indemnity (including obtaining an open penalty bond protecting the Warrant Agent) or otherwise as they may in their discretion impose (which shall, in the case of a mutilated Warrant, include the surrender thereof), issue a new Warrant of like denomination, tenor, and date as the Warrant so lost, stolen, mutilated, or destroyed. Any such new Warrant shall constitute a substitute contractual obligation of the Company, whether or not the allegedly lost, stolen, mutilated, or destroyed Warrant shall be at any time enforceable by anyone.

8.3. <u>Reservation of Common Stock</u>. The Company shall at all times reserve and keep available a number of its authorized but unissued shares of Common Stock that will be sufficient to permit the exercise in full of all outstanding Warrants issued pursuant to this Warrant Agreement.

8.4 <u>Registration of Common Stock</u>. The Company will use commercially reasonable efforts to maintain the effectiveness of the Registration Statement and the current status of the Prospectus or to file and maintain the effectiveness of another registration statement and another current prospectus covering the Warrants and the Warrant Shares until all Warrant Shares covered by such registration statement may be sold without restriction or limitation pursuant to Rule 144 and without the requirement to be in compliance with Rule 144(c)(1).

9. Redemption.

9.1 <u>Right of Redemption</u>. Not less than all of the outstanding Warrants may be redeemed, at the option of the Company, at any time following the first anniversary of closing of the Offering and prior to the Expiration Date, at the office of the Warrant Agent, upon the notice referred to in <u>Section 9.2</u>, at the price of \$0.01 per Warrant (subject to adjustment proportionate to any adjustment to the Warrant Price pursuant to Section 5.3) (the "<u>Redemption Price</u>"), provided, however, that the last reported sales price of the Common Stock has been equal to or greater than the \$12.00 per share (subject to adjustment proportionate to any adjustment to Section 5.3) for any period of 10 consecutive trading days ending prior to the notice of redemption to the Registered Holders and there is an effective registration statement covering the shares of Common Stock issuable upon exercise of the Warrants current and available,.

9.2 Date Fixed for, and Notice of, Redemption. In the event the Company shall elect to redeem all of the Warrants pursuant to Section 9.1 (the "Redeemable Warrants"), the Company shall fix a date for the redemption. Notice of redemption shall be mailed by first class mail, postage prepaid, by the Company not less than 30 days prior to the date fixed for redemption to the Registered Holders of the Redeemable Warrants at their last addresses as they shall appear on the registration books. Any notice mailed in the manner herein provided shall be conclusively presumed to have been duly given on the date sent whether or not the Registered Holder received such notice.

9.3 Exercise After Notice of Redemption. The Redeemable Warrants may be exercised for cash in accordance with <u>Section 3.3.1</u> of this Warrant Agreement at any time after notice of redemption shall have been given by the Company pursuant to <u>Section 9.2</u> hereof and prior to the time and date fixed for redemption. On and after the redemption date, the record holders of the Redeemable Warrants shall have no further rights except to receive the Redemption Price upon surrender of the Redeemable Warrants.

10. Concerning the Warrant Agent and Other Matters.

10.1. Concerning the Warrant Agent. The Warrant Agent:

i) shall have no duties or obligations other than those set forth herein and no duties or obligations shall be inferred or implied;

ii) may rely on and shall be held harmless by the Company in acting upon any certificate, statement, instrument, opinion, notice, letter, facsimile or electronic transmission, telegram or other document, or any security delivered to it, and reasonably believed by it to be genuine and to have been made or signed by the proper party or parties;

iii) may rely on and shall be held harmless by the Company in acting upon written or oral instructions or statements from the Company with respect to any matter relating to its acting as Warrant Agent;

iv) may consult with counsel satisfactory to it (including counsel for the Company) and shall be held harmless by the Company in relying on the advice or opinion of such counsel in respect of any action taken, suffered or omitted by it hereunder in good faith and in accordance with such advice or opinion of such counsel;

v) solely shall make the final determination as to whether or not a Warrant received by Warrant Agent is duly, completely and correctly executed, and Warrant Agent shall be held harmless by the Company in respect of any action taken, suffered or omitted by Warrant Agent hereunder in good faith and in accordance with its determination;

vi) shall not be obligated to take any legal or other action hereunder which might, in its judgment subject or expose it to any expense or liability unless it shall have been furnished with an indemnity satisfactory to it; and

vii) shall not be liable or responsible for any failure of the Company to comply with any of its obligations relating to the Registration Statement or this Warrant Agreement, including without limitation obligations under applicable regulation or law.

10.2 Payment of Taxes. The Company will from time to time promptly pay all taxes and charges that may be imposed upon the Company or the Warrant Agent in respect of the issuance or delivery of shares of Common Stock upon the exercise of Warrants, but the Company shall not be obligated to pay any transfer taxes in respect of the Warrants or such shares. The Warrant Agent shall not register any transfer or issue or deliver any Warrant Certificate(s) or Warrant Shares unless or until the persons requesting the registration or issuance shall have paid to the Warrant Agent for the account of the Company the amount of such tax, if any, or shall have established to the reasonable satisfaction of the Company that such tax, if any, has been paid.

10.3 Resignation, Consolidation, or Merger of Warrant Agent.

10.3.1. <u>Appointment of Successor Warrant Agent</u>. The Warrant Agent, or any successor to it hereafter appointed, may resign its duties and be discharged from all further duties and liabilities hereunder after giving sixty (60) days' notice in writing to the Company. If the office of the Warrant Agent becomes vacant by resignation or incapacity to act or otherwise, the Company shall appoint in writing a successor Warrant Agent in place of the Warrant Agent. If the Company shall fail to make such appointment within a period of 30 days after it has been notified in writing of such resignation or incapacity by the Warrant Agent or by the holder of the Warrant (who shall, with such notice, submit his Warrant for inspection by the Company), then the holder of any Warrant may apply to the Supreme Court of the State of New York for the County of New York for the appointment of a successor Warrant Agent at the Company's cost. Any successor Warrant Agent (but not including the initial Warrant Agent), whether appointed by the Company or by such court, shall be a corporation organized and existing under the laws of the State of Delaware, in good standing and having its principal office in the State of New York, and authorized under such laws to exercise corporate trust powers and subject to supervision or examination by federal or state authority. After appointment, any successor Warrant Agent shall be vested with all the authority, powers, rights, immunities, duties, and obligations of its predecessor Warrant Agent with like effect as if originally named as Warrant Agent hereunder, without any further act or deed; but if for any reason it becomes necessary or appropriate, the predecessor Warrant Agent shall execute and deliver, at the expense of the Company, an instrument transferring to such successor Warrant Agent all the authority, powers, and rights of such predecessor Warrant Agent hereunder; and upon request of any successor Warrant Agent the Company shall make, execute, acknowledge, and deliver any and all instrume

10.2.2. <u>Notice of Successor Warrant Agent</u>. In the event a successor Warrant Agent shall be appointed, the Company shall give notice thereof to the predecessor Warrant Agent and the transfer agent for the Common Stock not later than the effective date of any such appointment.

10.2.3. <u>Merger or Consolidation of Warrant Agent</u>. Any corporation into which the Warrant Agent may be merged or with which it may be consolidated or any corporation resulting from any merger or consolidation to which the Warrant Agent shall be a party shall be the successor Warrant Agent under this Warrant Agreement without any further act.

10.4. Fees and Expenses of Warrant Agent.

10.4.1. <u>Remuneration</u>. The Company agrees to pay the Warrant Agent reasonable remuneration in an amount separately agreed to between Company and Warrant Agent for its services as Warrant Agent hereunder and will reimburse the Warrant Agent upon demand for all expenditures that the Warrant Agent may reasonably incur in the execution of its duties hereunder. One half of the total Warrant Agent fees (not including postage) must be paid upon execution of this Warrant Agreement. The remaining half must be paid within fifteen (15) business days thereafter. An invoice for any out-of-pocket and/or per item fees incurred will be rendered to and payable by the Company within fifteen (15) days of the date of said invoice. It is understood and agreed that all services to be performed by Warrant Agent shall cease if full payment for its services has not been received in accordance with the above schedule, and said services will not commence thereafter until all payment due has been received by Warrant Agent.

10.4.2. <u>Further Assurances</u>. The Company agrees to perform, execute, acknowledge, and deliver or cause to be performed, executed, acknowledged, and delivered all such further and other acts, instruments, and assurances as may reasonably be required by the Warrant Agent for the carrying out or performing of the provisions of this Warrant Agreement.

10.5. Liability of Warrant Agent.

10.5.1. <u>Reliance on Company Statement</u>. Whenever in the performance of its duties under this Warrant Agreement, the Warrant Agent shall deem it necessary or desirable that any fact or matter be proved or established by the Company prior to taking or suffering any action hereunder, such fact or matter (unless other evidence in respect thereof be herein specifically prescribed) may be deemed to be conclusively proved and established by a statement signed by the President, Chief Executive Officer, Chief Financial Officer, Secretary or other principal officer of the Company and delivered to the Warrant Agent may rely upon such statement for any action taken or suffered in good faith by it pursuant to the provisions of this Warrant Agreement.

10.5.2. <u>Indemnity</u>. The Warrant Agent shall be liable hereunder only for its own gross negligence, willful misconduct or bad faith. The Company agrees to indemnify the Warrant Agent and save it harmless against any and all liabilities, including judgments, claims, losses, damages, costs and reasonable counsel fees, for anything done or omitted by the Warrant Agent in the execution of this Warrant Agreement except as a result of the Warrant Agent's gross negligence, willful misconduct, or bad faith.

10.5.3. <u>Limitation of Liability</u>. The Warrant Agent's aggregate liability, if any, during the term of this Warrant Agreement with respect to, arising from, or arising in connection with this Warrant Agreement, or from all services provided or omitted to be provided under this Warrant Agreement, whether in contract, or in tort, or otherwise, is limited to, and shall not exceed, the amounts paid or payable hereunder by the Company to Warrant Agent as fees and charges, but not including reimbursable expenses.

10.5.4 <u>Disputes</u>. In the event any question or dispute arises with respect to the proper interpretation of this Warrant Agreement or the Warrant Agent's duties hereunder or the rights of the Company or of any holder of a Warrant, the Warrant Agent shall not be required to act and shall not be held liable or responsible for refusing to act until the question or dispute has been judicially settled (and the Warrant Agent may, if it deems it advisable, but shall not be obligated to, file a suit in interpleader or for a declaratory judgment for such purpose) by final judgment rendered by a court of competent jurisdiction, binding on all parties interested in the matter which is no longer subject to review or appeal, or settled by a written document in form and substance satisfactory to the Warrant Agent and executed by the Company and each other interested party. In addition, the Warrant Agent may require for such purpose, but shall not be obligated to require, the execution of such written settlement by all the Warrant holders, as applicable, and all other parties that may have an interest in the settlement.

10.5.5 Exclusions. The Warrant Agent shall have no responsibility with respect to the validity of this Warrant Agreement or with respect to the validity or execution of any Warrant (except its countersignature thereof); nor shall it be responsible for any breach by the Company of any covenant or condition contained in this Warrant Agreement or in any Warrant; nor shall it be responsible to make any adjustments required under the provisions of Section 4 hereof or responsible for the manner, method, or amount of any such adjustment or the ascertaining of the existence of facts that would require any such adjustment; nor shall it by any act hereunder be deemed to make any representation or warranty as to the authorization or reservation of any shares of Common Stock to be issued pursuant to this Warrant Agreement or any Warrant or as to whether any shares of Common Stock will when issued be valid and fully paid and nonassessable.

10.6. <u>Acceptance of Agency</u>. The Warrant Agent hereby accepts the agency established by this Warrant Agreement and agrees to perform the same upon the terms and conditions herein set forth and among other things, shall account promptly to the Company with respect to Warrants exercised and concurrently account for, and pay to the Company, all moneys received by the Warrant Agent for the purchase of shares of Common Stock through the exercise of Warrants.

11. Miscellaneous Provisions.

11.1. <u>Successors</u>. All the covenants and provisions of this Warrant Agreement by or for the benefit of the Company or the Warrant Agent shall bind and inure to the benefit of their respective successors and assigns.

11.2. <u>Notices</u>. Any notice, statement or demand authorized by this Warrant Agreement to be given or made by the Warrant Agent or by the holder of any Warrant to or on the Company shall be sufficiently given (i) when so delivered if by hand or overnight delivery, (ii) when sent, if delivered by facsimile (provided that confirmation of transmission is mechanically or electronically generated and kept on file by the sending party) or by electronic mail, or (iii) if sent by certified mail or private courier service, within five (5) days after deposit of such notice, postage prepaid, addressed (until another address is filed in writing by the Company with the Warrant Agent), as follows:

Cytori Therapeutics, Inc. 3020 Callan Road San Diego, CA 92121 Attn: Marc H. Hedrick

With a copy to:

DLA Piper LLP (US) 4365 Executive Dr., Suite 1100 San Diego, CA 92121 Attention: Jeffrey Baglio, Esq.

Any notice, statement or demand authorized by this Warrant Agreement to be given or made by the holder of any Warrant or by the Company to or on the Warrant Agent shall be sufficiently given (a) upon receipt if by hand or overnight delivery, (b) when sent, if delivered by facsimile (provided that confirmation of transmission is mechanically or electronically generated and kept on file by the sending party) or by electronic mail, or (c) if by hand or overnight delivery or if sent by certified mail or private courier service, within five (5) days after deposit of such notice, postage prepaid, addressed (until another address is filed in writing by the Warrant Agent with the Company), as follows:

Broadridge Corporate Issuer Solutions, Inc. 1717 Arch Street Suite 1300 Philadelphia, Pennsylvania 19103 Attn: Compliance Department

With a copy to:

Broadridge Financial Solutions, Inc. 2 Journal Square Plaza Jersey City, New Jersey 07306 Attention: General Counsel

11.3. <u>Applicable Law</u>. The validity, interpretation, and performance of this Warrant Agreement and of the Warrants shall be governed in all respects by the laws of the State of New York, without giving effect to conflicts of law principles that would result in the application of the substantive laws of another jurisdiction. The Company hereby agrees that any action, proceeding or claim against it arising out of or relating in any way to this Warrant Agreement shall be brought and enforced in the courts of the State of New York or the United States District Court for the Southern District of New York, and irrevocably submits to such jurisdiction, which jurisdiction shall be exclusive. The Company hereby waives any objection to such exclusive jurisdiction and that such courts represent an inconvenience forum. Any such process or summons to be served upon the Company may be served by transmitting a copy thereof by registered or certified mail, return receipt requested, postage prepaid, addressed to it at the address set forth in Section 11.2 hereof. Such mailing shall be deemed personal service and shall be legal and binding upon the Company in any action, proceeding or claim.

11.4. <u>Persons Having Rights under this Warrant Agreement</u>. Nothing in this Agreement shall be construed to confer upon, or give to, any person or entity other than the parties hereto and the Registered Holders of the Warrants any right, remedy, or claim under or by reason of this Agreement or of any covenant, condition, stipulation, promise, or agreement hereof. All covenants, conditions, stipulations, promises, and agreements contained in this Agreement shall be for the sole and exclusive benefit of the parties hereto and their successors and assigns and of the Registered Holders of the Warrants.

11.5. <u>Examination of the Warrant Agreement</u>. A copy of this Warrant Agreement shall be available at all reasonable times at the office of the Warrant Agent in the city of Philadelphia, Commonwealth of Pennsylvania, for inspection by the registered holder of any Warrant. The Warrant Agent may require any such holder to submit his Warrant for inspection by it.

11.6. <u>Counterparts</u>. This Warrant Agreement may be executed in any number of counterparts and each of such counterparts shall for all purposes be deemed to be an original, and all such counterparts shall together constitute but one and the same instrument. Such counterparts may be delivered electronically.

11.7. <u>Effect of Headings</u>. The Section headings herein are for convenience only and are not part of this Warrant Agreement and shall not affect the interpretation thereof.

11.8 <u>Amendments</u>. This Warrant Agreement may be amended by the parties hereto without the consent of any registered holder for the purpose of curing any ambiguity, or of curing, correcting or supplementing any defective provision contained herein or adding or changing any other provisions with respect to matters or questions arising under this Warrant Agreement as the parties may deem necessary or desirable and that the parties deem shall not adversely affect the interest of the registered holders. All other modifications or amendments, including any amendment to increase the Exercise Price or shorten the Exercise Period, shall require the written consent of the registered holders of a majority of the then outstanding Warrants.

11.9 <u>Severability</u>. This Warrant Agreement shall be deemed severable, and the invalidity or unenforceability of any term or provision hereof shall not affect the validity or enforceability of this Warrant Agreement or of any other term or provision hereof. Furthermore, in lieu of any such invalid or unenforceable term or provision, the parties hereto intend that there shall be added as a part of this Warrant Agreement a provision as similar in terms to such invalid or unenforceable provision as may be possible and be valid and enforceable.

11.10 <u>Force Majeure</u>. In the event either party is unable to perform its obligations under the terms of this Warrant Agreement because of acts of God, strikes, failure of carrier or utilities, equipment or transmission failure or damage that is reasonably beyond its control, or any other cause that is reasonably beyond its control, such party shall not be liable for damages to the other for any damages resulting from such failure to perform or otherwise from such causes. Performance under this Warrant Agreement shall resume when the affected party or parties are able to perform substantially that party's duties.

11.11 <u>Consequential Damages</u>. Notwithstanding anything in this Warrant Agreement to the contrary, neither party to this Warrant Agreement shall be liable to the other party for any consequential, indirect, special or incidental damages under any provision of this Agreement or for any consequential, indirect, punitive, special or incidental damages arising out of any act or failure to act hereunder even if that party has been advised of or has foreseen the possibility of such damages.

[Signature Page Follows.]

CYTORI THERAPEUTICS, INC.

By: Name: Tiago Girao Title: Chief Financial Officer

BROADRIDGE CORPORATE ISSUER SOLUTIONS, INC.

By: Name: Title:

Signature Page to Warrant Agency Agreement

EXHIBIT A

[Form of Warrant Certificate]

[REVERSE]

[Form of Warrant Certificate]

[FACE]

Number: R-____

Series R Warrants to purchase ______ shares

THIS WARRANT SHALL BE VOID IF NOT EXERCISED PRIOR TO THE EXPIRATION OF THE EXERCISE PERIOD PROVIDED FOR IN THE WARRANT AGREEMENT DESCRIBED BELOW CYTORITHERAPEUTICS, INC.

Incorporated Under the Laws of the State of Delaware

CUSIP [___]

Series R Warrant Certificate

The Warrants evidenced by this Warrant Certificate are part of a duly authorized issue of Warrants entitling the holder on exercise to receive shares of Common Stock and are issued or to be issued pursuant to a Warrant Agreement dated as of [_____], 2016 (the "*Warrant Agreement*"), duly executed and delivered by the Company to Broadridge Corporate Issuer Solutions, Inc., a corporation having its principal offices in Philadelphia, Pennsylvania, as warrant agent (the "*Warrant Agreement*"), which Warrant Agreement is hereby incorporated by reference in and made a part of this instrument and is hereby referred to for a description of the rights, limitation of rights, obligations, duties and immunities thereunder of the Warrant Agreement may be obtained by the holders or Registered Holder) of the Warrants. A copy of the Warrant Agreement may be obtained by the holder hereof upon written request to the Company. Defined terms used in this Warrant Certificate but not defined herein shall have the meanings given to them in the Warrant Agreement.

Warrants may be exercised at any time during the Exercise Period set forth in the Warrant Agreement. Notwithstanding the foregoing or anything else herein or in the Warrant Agreement to the contrary, for so long as the holder continues to hold the Warrant, such holder shall not enter into any short sale or similar transaction with respect to the Common Stock. Any violation of this provision may result in the Warrant being terminated at the Company's option. The holder of Warrants evidenced by this Warrant Certificate may exercise them by delivering (i) this Warrant Certificate, or, in the case of a Book-Entry Warrant Certificate (as defined in the Warrant Agreement), the Warrants to be exercised (the "**Book-Entry Warrants**") as shown on the records of The Depository Trust Company (the "**Depository**") to an account of the Warrant Agent at the Depository designated for such purpose in writing by the Warrant Agent to the Depository, (ii) an election to purchase ("**Exercise Notice**"), properly executed by the holder hereof on the reverse of this Warrant Certificate or properly executed by the institution in whose account the Warrant is recorded on the records of the Depository (the "**Participant**"), and substantially in the form included on the reverse of this Warrant Certificate and (iii) the Warrant Price for each Warrant to be exercised in lawful money of the United States by certified or official bank check or by bank wire transfer in immediately available funds, in each case payable to the Warrant Agent, unless a "**cashless exercise**" is permitted under the Warrant Agreement.

In the event that upon any exercise of Warrants evidenced hereby the number of Warrants exercised shall be less than the total number of Warrants evidenced hereby, there shall be issued to the holder hereof or his, her or its assignee, a new Warrant Certificate evidencing the number of Warrants not exercised. If fewer than all the Warrants evidenced by a Book-Entry Warrant Certificate are exercised, a notation shall be made to the records maintained by the Depository, its nominee for each Book-Entry Warrant Certificate, or a Participant, as appropriate, evidencing the balance of the Warrants remaining after such exercise.

Notwithstanding anything else in this Warrant Certificate or the Warrant Agreement, no Warrant may be exercised unless at the time of exercise (i) a registration statement covering the shares of Common Stock to be issued upon exercise is effective under the Securities Act and (ii) a prospectus thereunder relating to the shares of Common Stock is current, except through "*cashless exercise*" as provided for in the Warrant Agreement.

The Warrant Agreement provides that upon the occurrence of certain events the number of shares of Common Stock issuable upon exercise of the Warrants set forth on the face hereof may, subject to certain conditions, be adjusted. If, upon exercise of a Warrant, the holder thereof would be entitled to receive a fractional interest in a share of Common Stock, the Company shall, upon exercise, either round up to the nearest whole number of shares of Common Stock to be issued to the holder of the Warrant or pay such holder cash for such fractional share in the Company's sole discretion.

Warrant Certificates, when surrendered at the office of the Warrant Agent designated for such purposes by the Registered Holder thereof in person or by legal representative or attorney duly authorized in writing, may be exchanged, in the manner and subject to the limitations provided in the Warrant Agreement, but without payment of any service charge, for another Warrant Certificate or Warrant Certificates of like tenor evidencing in the aggregate a like number of Warrants.

Upon due presentation for registration of transfer of this Warrant Certificate at the office of the Warrant Agent, a new Warrant Certificate or Warrant Certificates of like tenor and evidencing in the aggregate a like number of Warrants shall be issued to the transferee(s) in exchange for this Warrant Certificate, subject to the limitations provided in the Warrant Agreement, without charge except for any tax or other governmental charge imposed in connection therewith.

The Company and the Warrant Agent may deem and treat the Registered Holder(s) hereof as the absolute owner(s) of this Warrant Certificate (notwithstanding any notation of ownership or other writing hereon made by anyone), for the purpose of any exercise hereof, of any distribution to the holder(s) hereof, and for all other purposes, and neither the Company nor the Warrant Agent shall be affected by any notice to the contrary. Neither the Warrants nor this Warrant Certificate entitles any holder hereof to any rights of a stockholder of the Company.

NOTICE OF EXERCISE

(To Be Executed Upon Exercise of Warrant)

CASH EXERCISE:

The undersigned hereby irrevocably elects to exercise the rights represented by this Warrant Certificate to receive _______ shares of Common Stock and herewith tenders payment for such shares to the order of Cytori Therapeutics, Inc. (the "*Company*") in the amount of \$______ in accordance with the terms hereof. The undersigned requests that a certificate for such shares be registered in the name of _______, whose address is _______ and that such shares be delivered to _______ whose address is _______. If said number of shares is less than all of the shares of Common Stock purchasable hereunder, the undersigned requests that a new Warrant Certificate representing the remaining balance of such shares be registered in the name of ______, whose address is ______, and that such Warrant Certificate be delivered to ______, whose address is ______.

CASHLESS EXERCISE:

In the event that the Warrant may be exercised, to the extent allowed by the Warrant Agreement, through cashless exercise, (i) the number of shares that this Warrant is exercisable for would be determined in accordance with section 3.3.2 of the Warrant Agreement which allows for such cashless exercise and (ii) the holder hereof shall complete the following:

The undersigned hereby irrevocably elects to exercise the right, represented by this Warrant Certificate, through the cashless exercise provisions of the Warrant Agreement, to receive shares of Common Stock. If said number of shares is less than all of the shares of Common Stock purchasable hereunder (after giving effect to the cashless exercise), the undersigned requests that a new Warrant Certificate representing the remaining balance of such shares be registered in the name of ______, whose address is ______, and that such Warrant Certificate be delivered to ______, whose address is ______.

Date:_____, 20___

(Signature)

(Address)

(Tax Identification Number)

Signature must conform in all respects to the name of the holder as specified on the face of this Warrant Certificate. If Warrant Shares, or a Warrant Certificate evidencing unexercised Warrants, are to be issued in a name other than that of the registered holder hereof or are to be delivered to an address other than the address of such holder as shown on the books of the Warrant Agent, the above signature must be guaranteed by a an Eligible Guarantor Institution (as that term is defined in Rule 17Ad-15 of the Securities Exchange Act of 1934, as amended).

Signature Guaranteed:

THE SIGNATURE(S) SHOULD BE GUARANTEED BY AN ELIGIBLE GUARANTOR INSTITUTION (BANKS, STOCKBROKERS, SAVINGS AND LOAN ASSOCIATIONS AND CREDIT UNIONS WITH MEMBERSHIP IN AN APPROVED SIGNATURE GUARANTEE MEDALLION PROGRAM, PURSUANT TO RULE 17Ad-15).

ASSIGNMENT

(FORM OF ASSIGNMENT TO BE EXECUTED IF WARRANT HOLDER DESIRES TO TRANSFER WARRANTS EVIDENCED HEREBY)

FOR VALUE RECEIVED, _____ HEREBY SELL(S), ASSIGN(S) AND TRANSFER(S) UNTO

(Please insert social security or other identifying number of assignee)

(Please print name and address including zip code of assignee)

the rights represented by the within Warrant Certificate and does hereby irrevocably constitute and appoint ______ Attorney to transfer said Warrant Certificate on the books of the Warrant Agent with full power of substitution in the premises.

Date: _____, 20___

(Signature)

(Address)

(Tax Identification Number)

Signature must conform in all respects to the name of the holder as specified on the face of this Warrant Certificate and must bear a signature guarantee by an Eligible Guarantor Institution (as that term is defined in Rule 17Ad-15 of the Securities Exchange Act of 1934, as amended).

Signature Guaranteed:

THE SIGNATURE(S) SHOULD BE GUARANTEED BY AN ELIGIBLE GUARANTOR INSTITUTION (BANKS, STOCKBROKERS, SAVINGS AND LOAN ASSOCIATIONS AND CREDIT UNIONS WITH MEMBERSHIP IN AN APPROVED SIGNATURE GUARANTEE MEDALLION PROGRAM, PURSUANT TO RULE 17Ad-15).

<u>Exhibit B</u>

AGENT AND FEE SCHEDULE

Exchange:

Project Management Fees for up to 100 record stockholders:

• \$500.00 per month, Agent Fee

Covers all services listed in "AGENT SERVICES COVERED" as set forth in Exhibit B for all record date Stockholders.

Warrant Agent shall be entitled to reimbursement of all reasonable out-of-pocket expenses including but not limited to postage, stationery and supplies, which will be billed as incurred during the performance of Warrant Agent's duties hereunder, including without limitation:

Out of pocket expenses

- · Postage with shared Pre-Sort savings (to be paid in advance) 1
- Overnight delivery / courier service / photocopy service
- Envelopes outer and BRE (Business Reply Envelopes) ¹
- Brochures and enrollment materials
- · Insurance and courier fees
- Printing of check forms and blank stock certificates

Although Warrant Agent may advance payment for these expenses and then invoice Company, there are occasions when Warrant Agent may require advance payment toward large expense items.

1 Rates are subject to change upon U.S. and foreign postage rate increases.

DLA Piper LLP (US) 4365 Executive Drive San Diego, California 92121-2133 T 858.677.1400 F 858.677.1401

May 10, 2016

Cytori Therapeutics, Inc. 3020 Callan Road San Diego, CA 92121

Ladies and Gentlemen:

We have acted as counsel to Cytori Therapeutics, Inc., a Delaware corporation (the "*Company*"), in connection with the filing of a Registration Statement on Form S-1 (File No. 333-210628) (the "*Registration Statement*") with the Securities and Exchange Commission (the "*Commission*") under the Securities Act of 1933, as amended (the "*Act*"). The Registration Statement relates to the Company's registration of:

- (i) 13,310,740 non-transferable subscription rights (the "*Rights*") to be distributed by the Company without consideration in connection with a rights offering (the "*Rights Offering*") to holders of record of common stock, \$0.001 par value per share, of the Company (the "*Common Stock*");
- (ii) up to 5,000,000 units (the "*Units*") issuable upon exercise of the Rights, each Unit entitling the holder thereof to purchase one share of Common Stock and 0.5 of a warrant (each, a "*Warrant*," and collectively, the "*Warrants*") with each whole Warrant representing the right to purchase one share of Common Stock;
- (iii) up to 5,000,000 shares of Common Stock, all of which are authorized but heretofore unissued shares to be offered and sold by the Company (the "*Shares*"), underlying the Units;
- (iv) the Warrants; and
- (v) up to 2,500,000 shares of Common Stock, all of which are authorized but heretofore unissued shares to be offered and sold by the Company, issuable upon exercise of the Warrants (the "*Warrant Shares*" and together with the Rights, the Units, the Shares and the Warrant, the "*Securities*")).

In rendering the opinions set forth below, we have assumed that (i) all information contained in all documents reviewed by us is true and correct; (ii) all signatures on all documents examined by us are genuine; (iii) all documents submitted to us as originals are authentic and all documents submitted to us as copies conform to the originals of those documents; (iv) each natural person signing any document reviewed by us had the legal capacity to do so; (v) the certificates representing the Securities will be duly executed and delivered; and (vi) the Company will have reserved from its authorized but unissued and unreserved shares of Common Stock a number sufficient to issue all Shares and Warrant Shares and notwithstanding such reservation, the issuance of any Shares or Warrant Shares will not exceed the number of then-authorized shares of Common Stock.

We have examined the Registration Statement, including the exhibits thereto, and such other documents, corporate records, and instruments and have examined such laws and regulations as we have deemed necessary for purposes of rendering the opinions set forth herein. Based upon such examination and subject to the further provisions hereof, we are of the following opinion:

- 1. The Rights have been duly authorized and, when duly executed and delivered by the Company in the manner described in the Registration Statement and in accordance with the resolutions adopted by the Board of Directors of the Company, will constitute valid and legally binding obligations of the Company, enforceable against the Company in accordance with their terms, except as enforcement may be limited by applicable bankruptcy, insolvency, reorganization, arrangement, moratorium, fraudulent transfer and similar laws affecting or relating to the rights of creditors generally, by general principles of equity (regardless of whether considered in a proceeding in equity or at law), and by requirements of materiality, reasonableness, good faith and fair dealing.
- 2. The Units have been duly authorized and, if issued upon exercise of the Rights in accordance with the terms of the Rights, will be validly issued.
- 3. The Shares have been duly authorized and, if issued upon exercise of the Rights against payment therefor in accordance with the terms of the Rights, would be validly issued, fully paid and nonassessable.
- 4. The Warrants have been duly authorized and, if issued upon exercise of the Rights in accordance with the terms of the Rights, and when duly executed and delivered by the Company in the manner described in the Registration Statement and in accordance with the resolutions adopted by the Board of Directors of the Company, will constitute valid and legally binding obligations of the Company, enforceable against the Company in accordance with their terms, except as enforcement may be limited by applicable bankruptcy, insolvency, reorganization, arrangement, moratorium, fraudulent transfer and similar laws affecting or relating to the rights of creditors generally, by general principles of

equity (regardless of whether considered in a proceeding in equity or at law), and by requirements of materiality, reasonableness, good faith and fair dealing.

5. The Warrant Shares have been duly authorized and, if duly issued and sold against the payment therefor in accordance with the terms of the Warrants, will be validly issued, fully paid and nonassessable.

We hereby consent to the filing of this opinion as an exhibit to the Registration Statement and the reference to us under the caption "Legal Matters" in the prospectus included in the Registration Statement. In giving this consent, we do not admit that we are within the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Securities and Exchange Commission promulgated thereunder.

This opinion letter is given to you solely for use in connection with the offer and sale of the Securities while the Registration Statement is in effect and is not to be relied upon for any other purpose. Our opinion is expressly limited to the matters set forth above, and we render no opinion, whether by implication or otherwise, as to any other matters relating to the Company, the Securities or the Registration Statement.

Very truly yours,

/s/ DLA PIPER LLP (US) DLA PIPER LLP (US) May ____, 2016

Cytori Therapeutics, Inc. 3020 Callan Road San Diego, CA 92121

Ladies and Gentlemen:

We have acted as U.S. counsel to Cytori Therapeutics, Inc., a Delaware corporation (the "<u>Company</u>"). The Company has requested that we render this opinion in connection with the registration statement on Form S-1 of the Company pursuant to the Securities Act of 1933, as amended (the "<u>Act</u>"), originally filed with the U.S. Securities and Exchange Commission on April 6, 2016 (as amended and supplemented, the "<u>Registration Statement</u>"). Capitalized terms used but not otherwise defined herein shall have the same meanings as set forth in the Registration Statement.

We have examined the Registration Statement and such instruments, documents and records as we deemed relevant and necessary for the basis of our opinion expressed below. Our opinion below is conditioned on the initial and continuing accuracy of the facts, information and analyses set forth in such instruments, documents and records. For purposes of our opinion below, we have assumed the legal capacity of all natural persons, the genuineness of all signatures, the authenticity of all documents submitted to us as originals and the conformity to the originals of all documents submitted to us as copies. In addition, we have relied on factual statements and representations of the officers and other representatives of the Company and others, and we have assumed that such statements and representations are and will continue to be correct without regard to any qualification as to knowledge or belief.

Our opinion below is based on the U.S. Internal Revenue Code of 1986, as amended, U.S. Treasury regulations, judicial decisions, published positions of the U.S. Internal Revenue Service (the "<u>IRS</u>"), and such other authorities as we have considered relevant, all as in effect as of the date hereof. These authorities are all subject to differing interpretations and to change at any time. Our opinion is not binding upon the IRS or the courts, and the IRS is not precluded from successfully asserting a contrary position. Future legislative, judicial or administrative changes, on either a prospective or retroactive basis, may adversely affect the accuracy of the conclusions stated herein.

Based upon and subject to the foregoing, and subject to the qualifications, assumptions and limitations stated herein and in the Registration Statement, we hereby confirm that the discussion under the caption "Material U.S. Federal Income Tax Consequences" in the Registration Statement, insofar as such discussion constitutes matters of U.S. tax law or legal conclusions, represents our opinion as to the material U.S. federal income tax consequences to U.S. Holders (as defined therein) of the receipt and exercise (or expiration) of the Subscription Rights acquired through the Rights Offering and the ownership and disposition of shares of Company common stock and Warrants received upon exercise of the Subscription Rights or Warrants.

The foregoing opinion is rendered as of the date hereof. We assume no obligation to update this opinion to reflect any facts or circumstances that may hereafter come to our attention or changes in the law that may hereafter occur. This opinion is expressly limited to the matters set forth above, and we render no opinion, whether by implication or otherwise, as to any other matters. This opinion has been delivered in accordance with the requirements of Item 601(b) (8) of Regulation S-K under the Act. It is intended for the benefit of the Company and its stockholders and may not be relied upon for any other purpose or by any other person.

We hereby consent to the filing of this opinion as an exhibit to the Registration Statement and to the use of our name wherever appearing in the Registration Statement. In providing our consent, we do not thereby admit that we are in the category of persons whose consent is required under Section 7 of the Act.

Very truly yours,

/s/ DLA Piper LLP (US)

DLA Piper LLP (US)

Consent of Independent Registered Public Accounting Firm

The Board of Directors Cytori Therapeutics, Inc.:

We consent to the use of our reports with respect to the consolidated financial statements, the accompanying schedule of valuation and qualifying accounts and the effectiveness of internal control over financial reporting incorporated by reference herein and to the reference to our firm under the heading "Experts" in the prospectus.

Our report dated March 11, 2016 contains an explanatory paragraph that states that the Company's recurring losses from operations, and liquidity position raises substantial doubt about its ability to continue as a going concern. The consolidated financial statements and financial statement schedule do not include any adjustments that might result from the outcome of that uncertainty.

/s/ KPMG LLP

San Diego, California May 10, 2016

FORM OF INSTRUCTIONS AS TO USE OF SUBSCRIPTION RIGHTS CERTIFICATES CYTORI THERAPEUTICS, INC.

Please consult Broadridge Corporate Issuer Solutions, Inc., your bank or broker as to any questions.

The following instructions relate to a rights offering (the "Rights Offering") by Cytori Therapeutics, Inc., a Delaware corporation ("Cytori"), to the holders of record of its common stock, \$0.001 par value (the "Common Stock'), as described in Cytori's prospectus dated [_____], 2016 (the "Prospectus"). Each holder of record of Common Stock at the close of business on May 20, 2016 (the "Record Date") will receive, at no charge, a non-transferable subscription right (the "Subscription Right") for every shares of Common Stock held or deemed to be held at the Record Date.

Subscription Rights exercisable into an aggregate of 5,000,000 Units of Cytori ("Units") are being distributed in connection with the Rights Offering. Each Unit is comprised of one share of Common Stock and 0.5 of a warrant Each whole Warrant will be exercisable for one share of Common Stock. Each whole Subscription Right is exercisable, upon payment of \$4.00 in cash (the "Subscription Price"), to purchase one Unit (the "Basic Subscription Right"). In addition, each Subscription Right also carries the right to subscribe at the Subscription Price for additional Units that are not purchased by other holders pursuant to their Basic Subscription Right (to the extent available, and subject to proration and ownership limitations) (the "Over-Subscription Privilege"). A holder is entitled to exercise an Over-Subscription Privilege only if the holder fully exercises the Basic Subscription Right. See "The Rights Offering" in the Prospectus.

No fractional Subscription Rights or cash in lieu thereof will be issued or paid. Fractional Subscription Rights will be rounded down to the nearest whole number.

The Subscription Rights will expire at 5:00 p.m., Eastern Time, on June 9, 2016, unless extended ("the "Expiration Date"). If you do not exercise your Subscription Rights before that time, your Subscription Rights will expire and will no longer be exercisable. Cytori will not be required to issue shares to you if the Subscription Agent receives your Subscription Rights Certificate or your subscription payment after that time. Cytori has the option to extend the Rights Offering in its sole discretion, although it does not presently intend to do so. Cytori may extend the Rights Offering by giving oral or written notice to the Subscription Agent before the Expiration Date. If Cytori elects to extend the Rights Offering, Cytori will issue a press release announcing the extension no later than 9:00 a.m., Eastern Time, on the next business day after the most recently announced Expiration Date of the Rights Offering.

The number of Subscription Rights to which you are entitled is printed on the face of your Subscription Rights Certificate. You should indicate your wishes with regard to the exercise of your Subscription Rights by completing the appropriate section on the back of your Subscription Rights Certificate and returning the Subscription Rights Certificate with your payment to the Subscription Agent in the envelope provided.

Warrants that are issued as a component of the Unit pursuant to the exercise of the Basic Subscription Rights and Over-Subscription Privilege entitle the holder to purchase one share of Common Stock at an exercise price (subject to adjustment) of \$4.80 per share. The Warrants are exercisable for cash, or solely during any period when a registration statement for the exercise of the Warrants is not in effect, on a cashless basis. The Warrants may be redeemed for \$0.01 per Warrant if Cytori's Common Stock closes above \$12.00 per share for 10 consecutive trading days, upon 30 days' prior written notice of redemption. See "The Rights Offering" in the Prospectus.

YOUR SUBSCRIPTION RIGHTS CERTIFICATE MUST BE RECEIVED BY THE SUBSCRIPTION AGENT ON OR BEFORE THE EXPIRATION DATE. PAYMENT OF THE SUBSCRIPTION PRICE OF ALL SUBSCRIPTION RIGHTS EXERCISED, INCLUDING SUBSCRIPTION RIGHTS PURSUANT TO THE OVER-SUBSCRIPTION PRIVILEGE, INCLUDING FINAL CLEARANCE OF ANY CHECKS, MUST BE RECEIVED BY THE SUBSCRIPTION AGENT ON OR BEFORE THE EXPIRATION DATE. ONCE YOU EXERCISE YOUR SUBSCRIPTION RIGHTS, YOU CANNOT REVOKE THE EXERCISE OF SUCH SUBSCRIPTION RIGHTS. SUBSCRIPTION RIGHTS NOT VALIDLY EXERCISED PRIOR TO THE EXPIRATION DATE OF THE RIGHTS OFFERING WILL EXPIRE. IN CASE YOU HOLD SUBSCRIPTION RIGHTS THROUGH A BROKER OR OTHER NOMINEE, YOU SHOULD VERIFY WITH YOUR BROKER OR NOMINEE BY WHEN YOU MUST DELIVER YOUR INSTRUCTION.

1. **Subscription Rights**. To exercise Subscription Rights, complete your Subscription Rights Certificate and send your properly completed and executed Subscription Rights Certificate, together with payment in full of the Subscription Price for each Unit subscribed for pursuant to the Basic Subscription Right and the Over-Subscription Privilege, to the Subscription Agent. **PLEASE DO NOT SEND RIGHTS CERTIFICATES OR PAYMENTS TO CYTORI**. The method of delivery of the Subscription Rights Certificate and the payment of the Subscription Price to the Subscription Agent is at your election and risk. Subscription Rights Certificates and payments must be received by the Subscription Agent prior to the Expiration Date. If you send your Subscription Rights Certificate and payment by mail, then they should be sent by registered mail, properly insured, to arrive before the Expiration Date. If more Units are subscribed for pursuant to the Over-Subscription Privilege than are available for sale, additional Units will be allocated pro rata among holders and subject to ownership limitations, as described in the Prospectus. The Subscription Rights are non-transferable, and may not be sold, transferred, assigned or given away to anyone.

2. Acceptance of Payments. Payments will be deemed to have been received by the Subscription Agent only upon the (i) clearance of an uncertified personal check drawn against a U.S. bank payable to "Broadridge Corporate Issuer Solutions, Inc., as Subscription Agent for Cytori Therapeutics, Inc.," (ii) receipt of a certified check drawn against a U.S. bank payable to "Broadridge Corporate Issuer Solutions, Inc., as Subscription Agent for Cytori Therapeutics, Inc.," (iii) receipt of a U.S. Postal money order payable to "Broadridge Corporate Issuer Solutions, Inc., as Subscription Agent for Cytori Therapeutics, Inc.," (iv) receipt of a wire transfer of immediately available funds directly to the account maintained by Broadridge Corporate Issuer Solutions, Inc., as Subscription Agent for Cytori Therapeutics, Inc.," (iv) receipt of a wire transfer of immediately available funds directly to the account maintained by Broadridge Corporate Issuer Solutions, Inc., with reference to the name of the Subscription Rights holder. Funds paid by uncertified personal check may take several business days to clear. Accordingly, if you wish to pay the Subscription Price by uncertified personal check, then you should make payment sufficiently in advance of the Expiration Date to ensure its receipt and clearance by that time. To avoid disappointment caused by a failure of your subscription due to your payment not clearing prior to the expiration date, Cytori urges you to consider payment by means of certified or cashier's check, money order or wire transfer. It is highly recommend that if you intend to pay the Subscription Price by personal check, then you will not receive any Units, and Cytori's only obligation will be to return your subscription payment, without interest or deduction.

3. **Contacting the Subscription Agent**. The address and telephone number of the Subscription Agent are shown below. Delivery to an address other than shown below does not constitute valid delivery.

Broadridge Corporate Issuer Solutions, Inc. 1717 Arch Street, Suite 1300 Philadelphia, PA 19103

Attn: Re-Organization Department Telephone: (855) 793-5068 (Toll-Free)

4. **Partial Exercises; Effect of Over- and Under-Payments**. If you exercise less than all of the Subscription Rights evidenced by your Subscription Rights Certificate, the Subscription Agent will issue to you a new Subscription Rights Certificate evidencing the unexercised Subscription Rights. However, if you choose to have a new Subscription Rights Certificate sent to you, you may not receive any such new Subscription Rights Certificate in sufficient time to permit exercise of the Subscription Rights evidenced thereby. If you do not indicate the number of Units to be subscribed for on your Subscription Rights Certificate, or if you indicate a number of Units that does not correspond with the aggregate Subscription Right and the Over-Subscription Privilege, for the aggregate Subscription Price payment to your purchase of Units, then the Subscription Agent will return the excess amount to you by mail, without interest or deduction, within 10 business days after the Expiration Date. If you subscribe for fewer than all of the Units represented by your Subscription Rights Certificate, then the unexercised Subscription Rights will become null and void on the Expiration Date.

5. Deliveries to holders. The following deliveries and payments to you will be made to the address shown on the face of your Subscription Rights Certificate:

(a) **Basic Subscription Right**. The shares of Common Stock and Warrants that are purchased pursuant to the valid exercise of Basic Subscription Rights to purchase Units will be issued in book-entry, or uncertificated, form meaning that you will receive a direct registration (DRS) account statement from our transfer agent reflecting ownership of these securities if you are a holder of record of Common Stock. The Subscription Agent will arrange for the issuance of the Common Stock and Warrants as soon as practicable after the expiration of the Rights Offering, payment for the Units subscribed for has cleared, and all prorating calculations and reductions contemplated by the terms of the Rights Offering have been effected. If you hold your shares of Common Stock in the name of a custodian bank, broker, dealer, or other nominee, DTC will credit your account with your nominee with the securities you purchased in the Rights Offering.

(b) **Over-Subscription Privilege**. The shares of Common Stock and Warrants that are purchased pursuant to the valid exercise of Over-Subscription Privileges to purchase additional Units will also be issued in book-entry, or uncertificated, form meaning that you will receive a DRS account statement from our transfer agent reflecting ownership of these securities if you are a holder of record of Common Stock. The Subscription Agent will arrange for the issuance of the Common Stock and Warrants as soon as practicable after the expiration of the Rights Offering, payment for the Units subscribed for has cleared, and all prorating calculations and reductions contemplated by the terms of the Rights Offering have been effected. If you hold your shares of Common Stock in the name of a custodian bank, broker, dealer, or other nominee, DTC will credit your account with your nominee with the securities you purchased in the Rights Offering.

(c) **Excess Payments**. If you exercised your Over-Subscription Privilege and are allocated less than all of the Units for which you wished to oversubscribe, then your excess Subscription Price payment for Units that were not allocated to you will be returned by the Subscription Agent to you by mail, without interest or deduction, within 10 business days after the Expiration Date.

6. Execution.

(a) **Execution by Registered Holder**. The signature on the Subscription Rights Certificate must correspond with the name of the registered holder exactly as it appears on the face of the Subscription Rights Certificate without any alteration or change whatsoever. Persons who sign the Subscription Rights Certificate in a representative or other fiduciary capacity must indicate their capacity when signing and, unless waived by the Subscription Agent in its sole and absolute discretion, must present to the Subscription Agent satisfactory evidence of their authority so to act.

(b) **Execution by Person Other Than Registered Holder**. If the Subscription Rights Certificate is executed by a person other than the holder named on the face of the Subscription Rights Certificate, proper evidence of authority of the person executing the Subscription Rights Certificate must accompany the same unless the Subscription Agent, in its discretion, dispenses with proof of authority.

7. **Method of Delivery**. The method of delivery of Subscription Rights Certificates and payment of the Subscription Price to the Subscription Agent will be at the election and risk of the Subscription Rights holder. If sent by mail, it is recommended that they be sent by registered mail, properly insured, with return receipt requested, and that a sufficient number of days be allowed to ensure delivery to and receipt by the Subscription Agent prior to the Expiration Date.

8. **No Revocation**. If you exercise any of your Basic Subscription Rights or Over-Subscription Privilege, you will not be permitted to revoke or change the exercise or request a refund of monies paid. You should not exercise your Subscription Rights unless you are sure that you wish to purchase Units at the Subscription Price.

Once you exercise your Subscription Rights, you cannot revoke the exercise of such Subscription Rights even if you later learn information that you consider to be unfavorable and even if the market price of our Common Stock is below the Subscription Price.

9. **Special Provisions Relating to the Exercise of Subscription Rights through the Depository Trust Company**. In the case of Subscription Rights that are held of record through The Depository Trust Company ("DTC"), exercises of the Subscription Rights may be effected by instructing DTC to transfer Subscription Rights from the DTC account of such holder to the DTC account of the Subscription Agent, together with certification as to the aggregate number of Subscription Rights exercised pursuant to the Subscription Right by each beneficial owner of Subscription Rights on whose behalf such nominee is acting, and payment of the Subscription Price for each Unit subscribed for. Banks, brokers and other nominee holders of Subscription Rights who exercise the Basic Subscription Right and the Over-Subscription Privilege on behalf of beneficial owners of Subscription Rights will be required to certify to the Subscription Agent and Cytori as to the aggregate number of Subscription Rights (including such nominee itself) on whose behalf such nominee holder is acting. In the event such certification is not delivered in respect of a Subscription Rights Certificate, the Subscription Agent shall for all purposes (including for purposes of any allocation in connection with the Over-Subscription Privilege) be entitled to assume that such certificate is exercised on behalf of a single beneficial owner.

10. **Questions and Request for Additional Materials**. For questions regarding the Rights Offering, assistance regarding the method of exercising Subscription Rights or for additional copies of relevant documents, please contact the Information Agent as follows:

Broadridge Corporate Issuer Solutions, Inc. (855) 793-5068 (toll free)

FORM OF LETTER TO STOCKHOLDERS WHO ARE RECORD HOLDERS CYTORI THERAPEUTICS, INC.

Subscription Rights to Purchase Units

Offered Pursuant to Subscription Rights Distributed to Stockholders of Cytori Therapeutics, Inc.

[____], 2016

Dear Stockholder:

This letter is being distributed by Cytori Therapeutics, Inc. (the "Company") to all holders of record of shares of its common stock, \$0.001 par value per share (the "Common Stock") as of 5:00 p.m., Eastern Time, on May 20, 2016 (the "Record Date"), in connection with a distribution in a rights offering (the "Rights Offering") of non-transferable subscription rights (the "Subscription Rights") to subscribe for and purchase units ("Units"). Each Unit entitles the holder to one share of the Company's Common Stock and 0.5 of a warrant. Each whole Warrant will be exercisable for one share of Common Stock. The Subscription Rights and Units are described in the prospectus dated [_____], 2016 (a copy of which accompanies this notice) (the "Prospectus").

Pursuant to the Rights Offering, the Company is issuing Subscription Rights to subscribe for up to 5,000,000 Units on the terms and subject to the conditions described in the Prospectus, at a subscription price of \$4.00 per Unit (the "Subscription Price").

The Subscription Rights may be exercised at any time during the subscription period, which commences on [_____], 2016 and ends at 5:00 p.m., Eastern Time, on June 9, 2016, unless extended in the sole discretion of the Company and Maxim Group LLC (as it may be extended, the "Expiration Date").

As described in the Prospectus, holders will receive one Subscription Right for each share of Common Stock owned on the Record Date, evidenced by nontransferable Subscription Rights certificates (the "Subscription Rights Certificates"). Each Subscription Right entitles the holder to purchase one Unit at the Subscription Price (the "Basic Subscription Right").

Based on 13,310,740 shares of common stock outstanding as of March 31, 2016, we would grant Subscription Rights to acquire 13,310,740 Units but will only accept subscriptions for 5,000,000 Units. Accordingly, sufficient Units may not be available to honor your subscription in full. If exercises of Basic Subscription Rights exceed the number of Units available in the Rights Offering, we will allocate the available Units pro-rata among the record holders exercising the Basic Subscription Rights in proportion to the number of shares of our common stock each of those record holders owned on the Record Date, relative to the number of shares owned on the Record Date by all record holders exercising the Over-Subscription Privilege. If this pro-rata allocation results in any record holders receiving a greater number of Units than the record holder subscribed for pursuant to the exercise of the Basic Subscription Rights, then such record holders exercising their Basic Subscription Rights on the same pro rata basis described above. The proration process will be repeated until all Units have been allocated. In addition, pursuant to the terms of our October 2014 securities purchase agreement, upon our issuance of common stock for cash consideration, the purchasers thereunder have the right, until June 2016, to participate in up to 50% of any issuance by us of common stock on the same terms, conditions and price of such issuance. It is possible that such purchasers may exercise their participation rights and reduce the number of Units that may be issued to holders who exercise their Subscription Rights. If for any reason the amount of Units allocated to you is less than you have subscripted for, then the excess funds held by the Subscription Agent on your behalf will be returned to you, without interest, as soon as practicable after the Rights Offering has expired and all prorating calculations and reductions contemplated by the terms of the Rights Offering have been effected, and we will have no further obligations to you.

The Company will not issue fractional shares or warrants. Fractional shares or warrants resulting from the exercise of the Basic Subscription Rights and the Over-Subscription Privileges will be eliminated by rounding down to the nearest whole Unit. Any excess subscription payment received by the Subscription Agent will be returned, without interest or penalty, within 10 business days following the expiration of the Offering.

Enclosed are copies of the following documents:

- 1. Prospectus
- 2. Subscription Rights Certificate
- 3. Instructions As to Use of Subscription Rights Certificates
- 4. Notice of Important Tax Information
- 5. A return envelope, addressed to Broadridge Corporate Issuer Solutions, Inc. (the "Subscription Agent")

Your prompt attention is requested. To exercise your Subscription Rights, you should deliver the properly completed and signed Subscription Rights Certificate, with payment of the Subscription Price in full for each Unit subscribed for pursuant to the Basic Subscription Right and Over-Subscription Privilege, if applicable, to the Subscription Agent, as indicated in the Prospectus. The Subscription Agent must receive the properly completed and duly executed Subscription Certificate and full payment of the Subscription Price, including final clearance of any checks, prior to the Expiration Date.

You cannot revoke the exercise of your Subscription Right. Subscription Rights not exercised at or prior to 5:00 p.m., Eastern Time, on the Expiration Date will expire.

ANY QUESTIONS OR REQUESTS FOR ASSISTANCE CONCERNING THE RIGHTS OFFERING SHOULD BE DIRECTED TO BROADRIDGE CORPORATE ISSUER SOLUTIONS, INC., THE INFORMATION AGENT, TOLL-FREE AT (855) 793-5068.

FORM OF LETTER TO BROKERS, DEALERS, BANKS AND OTHER NOMINEES CYTORI THERAPEUTICS, INC.

Subscription Rights to Purchase Units

Offered Pursuant to Subscription Rights Distributed to Shareholders of Cytori Therapeutics, Inc.

[____], 2016

To Brokers, Dealers, Banks and Other Nominees:

This letter is being distributed by Cytori Therapeutics, Inc. (the "Company") to brokers, dealers, banks and other nominees in connection with the rights offering (the "Rights Offering") by Cytori Therapeutics, Inc. (the "Company") to subscribe for and purchase Units (as defined below), pursuant to non-transferable subscription rights ("Subscription Rights") distributed to all holders of record of the Company's common stock, \$0.001 par value per share (the "Common Stock"), as of 5:00 p.m., Eastern Time, on May 20, 2016 (the "Record Date"). Each Unit entitles the holder to one share of the Company's Common Stock and 0.5 of a warrant. Each whole Warrant will be exercisable for one share of Common Stock. The Subscription Rights and Units are described in the prospectus dated [_____], 2016 (a copy of which accompanies this notice) (the "Prospectus").

Pursuant to the Rights Offering, the Company is issuing Subscription Rights to subscribe for up to 5,000,000 Units on the terms and subject to the conditions described in the Prospectus, at a subscription price of \$4.00 per Unit (the "Subscription Price").

The Subscription Rights may be exercised at any time during the subscription period, which commences on [_____], 2016 and ends at 5:00 p.m., Eastern Time, on June 9, 2016, unless extended in the sole discretion of the Company and Maxim Group LLC (as it may be extended, the "Expiration Date").

As described in the Prospectus, each beneficial owner of shares of Common Stock is entitled to one Subscription Right for each share of Common Stock owned by such beneficial owner on the Record Date, evidenced by non-transferable Subscription Rights certificates (the "Subscription Rights Certificates") registered in the record holder's name or its nominee. Each Subscription Right entitles holder to purchase one Unit at the Subscription Price (the "Basic Subscription Right").

Holders who fully exercise their Basic Subscription Right will be entitled to subscribe for additional Units that remain unsubscribed as a result of any unexercised Basic Subscription Right (the "Over-Subscription Privilege"). Subject to stock ownership limitations described in the Prospectus, if sufficient Units are available, all Over-Subscription Privilege requests will be honored in full. If Over-Subscription Privilege requests for Units exceed the remaining Units available, the remaining Units will be allocated pro-rata among holders who over-subscribe based on the number of shares of Common Stock held by all holders exercising the Over-Subscription Privilege. If this pro rata allocation results in any holder receiving a greater number of Units than the holder subscribed for, then such holder will be allocated only the number of Units for which the holder oversubscribed, and the remaining Units will be allocated among all holders exercising the Over-Subscription Privilege on the same pro rata basis described above. The proration process will be repeated until all Units have been allocated.

The Company will not issue fractional shares. Fractional shares resulting from the exercise of the Basic Subscription Rights and the Over-Subscription Privileges will be eliminated by rounding down to the nearest whole Unit. Any excess subscription payment received by the Subscription Agent will be returned, without interest or penalty, within 10 business days following the expiration of the Offering.

The Company is asking persons who hold shares of the Company's Common Stock beneficially, and who have received the Subscription Rights distributable with respect to those securities through a broker, dealer, bank, or other nominee, to contact the appropriate institution or nominee and request it to effect the transactions for them.

If you exercise Subscription Rights on behalf of beneficial owners, you will be required to certify to the Subscription Agent and the Company, in connection with such exercise, as to the aggregate number of Subscription Rights that have been exercised pursuant to the Basic Subscription Right, whether the Basic Subscription Rights of each beneficial owner of Subscription Rights on whose behalf you are acting has been exercised in full, and the number of Units being subscribed for pursuant to the Over-Subscription Privilege by each beneficial owner of Subscription Rights on whose behalf you are acting.

The Company is asking you to contact your clients for whom you hold shares of Common Stock registered in your name or the name of your nominee to obtain instruction with respect to the Subscription Rights.

Enclosed are copies of the following documents:

- 1. Prospectus
- 2. Subscription Rights Certificate
- 3. Instructions as to Use of Subscription Rights Certificates
- 4. Form of Letter to Shareholders Who are Beneficial Holders
- 5. Form of Beneficial Owner Election Form
- 6. Form of Nominee Holder Certification

All commissions, fees and other expenses (including brokerage commissions and transfer taxes), other than fees and expenses of the Subscription Agent, incurred in connection with the exercise of the Subscription Rights will be for the account of the holder, and none of such commissions, fees or expenses will be paid by the Company or the Subscription Agent.

Your prompt action is requested. To exercise the Subscription Rights, you should deliver the properly completed and signed Subscription Rights Certificate, with payment of the Subscription Price in full for each Unit subscribed for pursuant to the Basic Subscription Right and Over-Subscription Privilege, if applicable, to the Subscription Agent, as indicated in the Prospectus. The Subscription Agent must receive the property completed and duly executed Subscription Rights Certificate and full payment of the Subscription Price, including final clearance of any checks, prior to the Expiration Date.

A holder cannot revoke the exercise of a Subscription Right. Subscription Rights not exercised at or prior to 5:00 p.m., Eastern Time, on the Expiration Date will expire.

ANY QUESTIONS OR REQUESTS FOR ASSISTANCE CONCERNING THE RIGHTS OFFERING SHOULD BE DIRECTED TO BROADRIDGE CORPORATE ISSUER SOLUTIONS, INC., THE INFORMATION AGENT, TOLL-FREE AT (855) 793-5068.

NOTHING HEREIN OR IN THE ENCLOSED DOCUMENTS SHALL MAKE YOU OR ANY OTHER PERSON AN AGENT OF THE COMPANY, THE DEALER-MANAGERS, THE SUBSCRIPTION AGENT, THE INFORMATION AGENT OR ANY OTHER PERSON MAKING OR DEEMED TO BE MAKING OFFERS OF THE SECURITIES ISSUABLE UPON VALID EXERCISE OF THE SUBSCRIPTION RIGHTS, OR AUTHORIZE YOU OR ANY OTHER PERSON TO MAKE ANY STATEMENTS ON BEHALF OF ANY OF THEM WITH RESPECT TO THE OFFERING, EXCEPT FOR STATEMENTS MADE IN THE PROSPECTUS.

FORM OF BROKER LETTER TO CLIENTS WHO ARE BENEFICIAL HOLDERS CYTORI THERAPEUTICS, INC.

Subscription Rights to Purchase Units

Offered Pursuant to Subscription Rights Distributed to Shareholders of Cytori Therapeutics, Inc.

[____], 2016

To our Clients:

This letter is being distributed to our clients who are holders of Cytori Therapeutics, Inc. (the "Company") common stock, \$0.001 par value per share (the "Common Stock"), as of 5:00 p.m., Eastern Time, on May 20, 2016 (the "Record Date"), in connection with a distribution in a rights offering (the "Rights Offering") of non-transferable subscription rights (the "Subscription Rights") to subscribe for and purchase units ("Units"). Each Unit entitles the holder to one share of the Company's Common Stock and 0.5 of a warrant. Each whole Warrant will be exercisable for one share of Common Stock. The Subscription Rights and Units are described in the prospectus dated [_____], 2016 (a copy of which accompanies this notice) (the "Prospectus").

Pursuant to the Rights Offering, the Company is issuing Subscription Rights to subscribe for up to 5,000,000 Units on the terms and subject to the conditions described in the Prospectus, at a subscription price of \$4.00 per Unit (the "Subscription Price").

The Subscription Rights may be exercised at any time during the subscription period, which commences on [____], 2016 and ends at 5:00 p.m., Eastern Time, on June 9, 2016, unless extended by the Company in its sole discretion (as it may be extended, the "Expiration Date").

As described in the Prospectus, holders will receive one Subscription Right for each share of Common Stock owned on the Record Date, evidenced by nontransferable Subscription Rights certificates (the "Subscription Rights Certificates"). Each Subscription Right entitles the holder to purchase one Unit at the Subscription Price (the "Basic Subscription Right").

Based on 13,310,740 shares of common stock outstanding as of March 31, 2016, we would grant Subscription Rights to acquire 13,310,740 Units but will only accept subscriptions for 5,000,000 Units. Accordingly, sufficient Units may not be available to honor your subscription in full. If exercises of Basic Subscription Rights exceed the number of Units available in the Rights Offering, we will allocate the available Units pro-rata among the record holders exercising the Basic Subscription Rights in proportion to the number of shares of our common stock each of those record holders owned on the Record Date, relative to the number of shares owned on the Record Date by all record holders exercising the Over-Subscription Privilege. If this pro-rata allocation results in any record holders receiving a greater number of Units than the record holder subscribed for pursuant to the exercise of the Basic Subscription Rights, then such record holders exercising their Basic Subscription Rights on the same pro rata basis described above. The proration process will be repeated until all Units have been allocated. In addition, pursuant to the terms of our October 2014 securities purchase agreement, upon our issuance of common stock for cash consideration, the purchasers thereunder have the right, until June 2016, to participate in up to 50% of any issuance by us of common stock on the same terms, conditions and price of such issuance. It is possible that such purchasers may exercise their participation rights and reduce the number of Units that may be issued to holders who exercise their Subscription Rights. If for any reason the amount of Units allocated to you is less than you have subscripted for, then the excess funds held by the Subscription Agent on your behalf will be returned to you, without interest, as soon as practicable after the Rights Offering has expired and all prorating calculations and reductions contemplated by the terms of the Rights Offering have been effected, and we will have no further obligations to you.

The Company will not issue fractional shares. Fractional shares resulting from the exercise of the Basic Subscription Rights and the Over-Subscription Privileges will be eliminated by rounding down to the nearest whole Unit. Any excess subscription payment received by the Subscription Agent will be returned, without interest or penalty, within 10 business days following the expiration of the Offering.

Enclosed are copies of the following documents:

- 1. Prospectus
- 2. Form of Beneficial Owner Election Form
- 3. Instructions As to Use of Subscription Rights Certificates

THE MATERIALS ENCLOSED ARE BEING FORWARDED TO YOU AS THE BENEFICIAL OWNER OF COMMON STOCK HELD BY US IN YOUR ACCOUNT BUT NOT REGISTERED IN YOUR NAME. EXERCISES OF SUBSCRIPTION RIGHTS MAY BE MADE ONLY BY US AS THE RECORD OWNER AND PURSUANT TO YOUR INSTRUCTIONS.

Accordingly, we request instructions as to whether you wish us to elect to subscribe for any Units to which you are entitled pursuant to the terms and subject to the conditions set forth in the enclosed Prospectus and other materials. However, we urge you to read the Prospectus and other enclosed materials carefully before instructing us to exercise your Subscription Rights.

Your instructions to us should be forwarded as promptly as possible in order to permit us to exercise Subscription Rights on your behalf in accordance with the provisions of the Rights Offering. The Rights Offering will expire at 5:00 p.m., Eastern Time, on the Expiration Date. You are encouraged to forward your instructions to us before the Expiration Date to allow us ample time to act upon your instructions. A holder cannot revoke the exercise of a Subscription Right.

If you wish to have us, on your behalf, exercise the Subscription Rights for any Units to which you are entitled, please so instruct us by timely completing, executing, and returning to us the Beneficial Owner Election Form enclosed with this notice.

ANY QUESTIONS OR REQUESTS FOR ASSISTANCE CONCERNING THE RIGHTS OFFERING SHOULD BE DIRECTED TO BROADRIDGE CORPORATE ISSUER SOLUTIONS, INC., THE INFORMATION AGENT, TOLL-FREE AT (855) 793-5068.

FORM OF BENEFICIAL OWNER ELECTION FORM CYTORI THERAPEUTICS, INC.

The undersigned acknowledge(s) receipt of your letter and the enclosed materials referred to therein relating to the rights offering (the "Rights Offering") by Cytori Therapeutics, Inc., a Delaware corporation (the "Company"), of non-transferable subscription rights (the "Subscription Rights") to purchase units (the "Units"), each such Unit comprised of a share of the Company's common stock, \$0.001 par value ("Common Stock"), and 0.5 of a warrant. Each whole Warrant will be exercisable for one share of Common Stock.

This will instruct you whether to exercise Subscription Rights to purchase Units distributed with respect to the shares of the Common Stock held by you for the account of the undersigned, pursuant to the terms and subject to the conditions set forth in the Prospectus. (Check the applicable boxes and provide all required information.)

□ Please DO NOT EXERCISE SUBSCRIPTION RIGHTS for Units.

□ Please EXERCISE SUBSCRIPTION RIGHTS for Units as set forth below:

	No. of Units		Per Unit Subscription Price		Payment
Basic Subscription Right	[]	х	\$[]	=	\$[]
Over-Subscription Privilege	[]	Х	\$[]	=	\$[]
		Total Payment Required			\$[]

If you spoke with a broker who solicited such exercise, please indicate the name of the person you spoke with: _.

□ Payment in the following amount is enclosed \$_____ (must match Total Payment Required above)

□ Please deduct payment from the following account maintained by you as follows:

Type of Account:

Account No.:

Amount to be deducted: \$

I (we) on my (our) own behalf, or on behalf of any person(s) on whose behalf, or under whose directions, I am (we are) signing this form:

irrevocably elect to purchase the number of Units indicated above upon the terms and conditions specified in the Prospectus; and
 agree that if I (we) fail to pay for the shares I (we) have elected to purchase, the exercise will be invalid.

Signature:

Name:

Title:

Address:

Telephone:

Date:

, 2016

FORM OF NOMINEE HOLDER CERTIFICATION CYTORI THERAPEUTICS, INC.

The undersigned, a bank, broker, dealer, trustee, depositary, or other nominee of non-transferable subscription rights (the "Subscription Rights") to purchase units ("Units") of Cytori Therapeutics, Inc. (the "Company"), said Units each comprised of one share of common stock ("Common Stock") and 0.5 of a warrant (a "Warrant") pursuant to the Subscription Rights offering described and provided for in the Company's Prospectus dated [______], 2016, hereby certifies to the Company and Broadridge Corporate Issuer Solutions, Inc., as Subscription Agent for such Rights Offering, that (1) the undersigned has exercised, on behalf of the beneficial owners thereof (which may include the undersigned), the number of Subscription Rights on the terms and subject to the conditions set forth in the Prospectus specified below pursuant to the Basic Subscription Right (as defined in the Prospectus) and, on behalf of beneficial owners of Subscription Rights who have subscribed for the purchase of additional Units pursuant to the Over-Subscription Privilege (as defined in the Prospectus), the number of Units specified below, listing separately below each such exercised Basic Subscription Right and the corresponding Over-Subscription Privilege (without identifying any such beneficial owner), and (2) to the extent a beneficial owner has elected to subscribe for Units pursuant to the Over-Subscription Privilege, each such beneficial owner's Basic Subscription Right has been exercised in full:

Number of Shares Owned on the Record Date	Individual Soliciting Broker (if any)	Number of Units Subscribed for Pursuant to the Basic Subscription Right	Number of Units Subscribed for Pursuant to the Over-Subscription Privilege
1.			
2.			
3.			
4.			
5.			
6.			
7.			
Name of Nominee Holder			
By:			
Name:			
Title:			
Phone Number:			
Fax Number:			
Dated:			
Provide the following information, if	applicable:		
DTC Participant Number			
DTC Participant			
By:			
Name:			
Title:			

Confirmation Number(s)

Dated: