

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

FORM 8-K  
CURRENT REPORT

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

Date of Report (Date of earliest event reported): March 19, 2004

DELCATH SYSTEMS, INC.  
(Exact name of registrant as specified in its charter)

|   |  |  |
|---|--|--|
| Delaware<br>(State or other jurisdiction of<br>incorporation) | 001-16133<br>(Commission File<br>Number) | 06-1245881<br>(IRS Employer<br>Identification No.) |
|---|--|--|

1100 Summer Street, Stamford, Connecticut 06905  
(Address of principal executive offices and zip code)

Registrant's telephone number, including area code: (203) 323-8668

N/A  
(Former name or former address, if changes since last report)

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Item 5. Other Events and Regulation FD Disclosure

On March 22, 2004, Delcath Systems, Inc. (the "Company") issued a press release relating to the completion by it of a private placement of common stock and warrants pursuant to agreements dated as of March 19, 2004. The Company's press release dated March 22, 2004 is incorporated herein by reference and filed as an exhibit hereto.

Item 7. Financial Statements and Exhibits.

- (a) Not applicable
- (b) Not applicable.
- (c) Exhibits:

| Exhibit<br>----- | Description<br>-----  |
|------------------|---|
| 4                | Form of Warrant to Purchase Shares of Common Stock issued pursuant to the Common Stock Purchase Agreement dated as of March 19, 2004.         |
| 10.1             | Common Stock Purchase Agreement dated as of March 19, 2004 by and among Delcath Systems, Inc. and the Purchasers Listed on Exhibit A thereto. |
| 10.2             | Registration Rights Agreement dated as of March 19, 2004 by and among Delcath Systems, Inc. and the Purchasers Listed on Schedule I thereto.  |
| 19               | Press Release dated March 22, 2004 of Delcath Systems, Inc.   |

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

DELCATH SYSTEMS, INC.

By: /s/ M. S. KOLY

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M. S. Koly  
President and Chief Executive Officer

Date: March 22, 2004

EXHIBIT INDEX

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THIS WARRANT AND THE SHARES OF COMMON STOCK ISSUABLE UPON EXERCISE HEREOF HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT") OR ANY STATE SECURITIES LAWS AND MAY NOT BE SOLD, TRANSFERRED OR OTHERWISE DISPOSED OF UNLESS REGISTERED UNDER THE SECURITIES ACT AND UNDER APPLICABLE STATE SECURITIES LAWS OR DELCATH SYSTEMS, INC. SHALL HAVE RECEIVED AN OPINION OF COUNSEL REASONABLY SATISFACTORY TO DELCATH SYSTEMS, INC. THAT REGISTRATION OF SUCH SECURITIES UNDER THE SECURITIES ACT AND UNDER THE PROVISIONS OF APPLICABLE STATE SECURITIES LAWS IS NOT REQUIRED.

WARRANT TO PURCHASE  
SHARES OF COMMON STOCK  
OF  
DELCATH SYSTEMS, INC.  
Expires March 19, 2009

No.: W-04-\_\_\_\_ Number of Shares: \_\_\_\_\_  
Date of Issuance: March 19, 2004

FOR VALUE RECEIVED, subject to the provisions hereinafter set forth, the undersigned, Delcath Systems, Inc., a Delaware corporation (together with its successors and assigns, the "Issuer"), hereby certifies that \_\_\_\_\_ or its registered assigns is entitled to subscribe for and purchase, during the Term (as hereinafter defined), up to \_\_\_\_\_ (\_\_\_\_\_) shares (subject to adjustment as hereinafter provided) of the duly authorized, validly issued, fully paid and non-assessable Common Stock of the Issuer, at an exercise price per share equal to the Warrant Price then in effect, subject, however, to the provisions and upon the terms and conditions hereinafter set forth. Capitalized terms used in this Warrant and not otherwise defined herein shall have the respective meanings specified in Section 9 hereof.

1. Term. The term of this Warrant shall commence on March 19, 2004 and shall expire at 5:00 p.m., eastern time, on March 19, 2009 (such period being the "Term").

2. Method of Exercise Payment; Issuance of New Warrant; Transfer and Exchange.

(a) Time of Exercise. The purchase rights represented by this Warrant may be exercised in whole or in part during the Term commencing on March 19, 2004 and expiring on March 19, 2009.

(b) Method of Exercise. The Holder hereof may exercise this Warrant, in whole or in part, by the surrender of this Warrant (with the exercise form attached hereto duly executed) at the principal office of the Issuer, and by the payment to the Issuer of an amount of consideration therefor equal to the Warrant Price in effect on the date of such exercise multiplied by the number of shares of Warrant Stock with respect to which this Warrant is then being exercised, payable at such Holder's election by certified or official bank check or by wire transfer to an account designated by the Issuer.

(c) Issuance of Stock Certificates. In the event of any exercise of the rights represented by this Warrant in accordance with and subject to the terms and conditions hereof, (i) certificates for the shares of Warrant Stock so purchased shall be dated the date of such exercise and delivered to the Holder hereof within a reasonable time, not exceeding three (3) Trading Days after such exercise or, at the request of the Holder (provided that a registration statement under the Securities Act providing for the resale of the Warrant Stock is then in effect), issued and delivered to the Depository Trust Company ("DTC") account on the Holder's behalf via the Deposit Withdrawal Agent Commission System ("DWAC") within a reasonable time, not exceeding three (3) Trading Days after such exercise, and the Holder hereof shall be deemed for all purposes to be the holder of the shares of Warrant Stock so purchased as of the date of such exercise and (ii) unless this Warrant has expired, a new Warrant representing the number of shares of Warrant Stock, if any, with respect to which this Warrant shall not then have been exercised (less any amount thereof which shall have been canceled in payment or partial payment of the Warrant Price as

hereinafter provided) shall also be issued to the Holder hereof at the Issuer's expense within such time.

(d) Transferability of Warrant. Subject to Section 2(f), this Warrant may be transferred by a Holder without the consent of the Issuer. If transferred pursuant to this paragraph and subject to the provisions of subsection (f) of this Section 2, this Warrant may be transferred on the books of the Issuer by the Holder hereof in person or by duly authorized attorney, upon surrender of this Warrant at the principal office of the Issuer, properly endorsed (by the Holder executing an assignment in the form attached hereto) and upon payment of any necessary transfer tax or other governmental charge imposed upon such transfer. This Warrant is exchangeable at the principal office of the Issuer for Warrants for the purchase of the same aggregate number of shares of Warrant Stock, each new Warrant to represent the right to purchase such number of shares of Warrant Stock as the Holder hereof shall designate at the time of such exchange. All Warrants issued on transfers or exchanges shall be dated the Original Issue Date and shall be identical with this Warrant except as to the number of shares of Warrant Stock issuable pursuant thereto.

(e) Continuing Rights of Holder. The Issuer will, at the time of or at any time after each exercise of this Warrant, upon the request of the Holder hereof, acknowledge in writing the extent, if any, of its continuing obligation to afford to such Holder all rights to which such Holder shall continue to be entitled after such exercise in accordance with the terms of this Warrant, provided that if any such Holder shall fail to make any such request, the failure shall not affect the continuing obligation of the Issuer to afford such rights to such Holder.

(f) Compliance with Securities Laws.

(i) The Holder of this Warrant, by acceptance hereof, acknowledges that this Warrant and the shares of Warrant Stock to be issued upon exercise hereof are being acquired solely for the Holder's own account and not as a nominee for any other party, and for investment, and that the Holder will not offer, sell or otherwise dispose of this Warrant or any shares of Warrant Stock to be issued upon exercise hereof except pursuant to an effective registration statement, or an exemption from registration, under the Securities Act and any applicable state securities laws.

(ii) Except as provided in paragraph (iii) below, this Warrant and all certificates representing shares of Warrant Stock issued upon exercise hereof shall be stamped or imprinted with a legend in substantially the following form:

THIS WARRANT AND THE SHARES OF COMMON STOCK ISSUABLE UPON EXERCISE HEREOF HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT") OR ANY STATE SECURITIES LAWS AND MAY NOT BE SOLD, TRANSFERRED OR OTHERWISE DISPOSED OF UNLESS REGISTERED UNDER THE SECURITIES ACT AND UNDER APPLICABLE STATE SECURITIES LAWS OR DELCATH SYSTEMS, INC. SHALL HAVE RECEIVED AN OPINION OF COUNSEL REASONABLY SATISFACTORY TO DELCATH SYSTEMS, INC. THAT REGISTRATION OF SUCH SECURITIES UNDER THE SECURITIES ACT AND UNDER THE PROVISIONS OF APPLICABLE STATE SECURITIES LAWS IS NOT REQUIRED.

(iii) The Issuer agrees to reissue this Warrant or certificates representing any of the Warrant Stock, without the legend set forth above if at such time, prior to making any transfer of any such securities, the Holder shall give written notice to the Issuer describing the manner and terms of such transfer and removal as the Issuer may reasonably request. Such proposed transfer and removal will not be effected until: (a) either (i) the Issuer has received an opinion of counsel reasonably satisfactory to the Issuer, to the effect that the registration of such securities under the Securities Act is not required in connection with such proposed transfer, (ii) a registration statement under the Securities Act covering such proposed disposition has been filed by the Issuer with the Securities and Exchange Commission and has become effective under the Securities Act, (iii) the Issuer has received other evidence reasonably satisfactory to the Issuer that such registration and qualification under the Securities Act and state securities laws are not required, or (iv) the Holder provides the Issuer with reasonable assurances that such security can be sold pursuant to Rule 144 under the Securities Act; and (b) either (i) the Issuer has received an opinion of counsel reasonably satisfactory to the Issuer, to the effect that registration or qualification under the securities or "blue sky" laws of any state is not required in connection with such proposed disposition, or (ii) compliance with applicable state securities or "blue sky" laws has been effected or a valid exemption exists with respect thereto. The Issuer will respond to any such notice from a holder

within five (5) business days. In the case of any proposed transfer under this Section 2(f), the Issuer will use reasonable efforts to comply with any such applicable state securities or "blue sky" laws, but shall in no event be required, (x) to qualify to do business in any state where it is not then qualified, (y) to take any action that would subject it to tax or to the general service of process in any state where it is not then subject, or (z) to comply with state securities or "blue sky" laws of any state for which registration by coordination is unavailable to the Issuer. The restrictions on transfer contained in this Section 2(f) shall be in addition to, and not by way of limitation of, any other restrictions on transfer contained in any other section of this Warrant. Whenever a certificate representing the Warrant Stock is required to be issued to a the Holder without a legend, in lieu of delivering physical certificates representing the Warrant Stock, provided the Issuer's transfer agent is participating in the DTC Fast Automated Securities Transfer program, the Issuer shall use its reasonable best efforts to cause its transfer agent to electronically transmit the Warrant Stock to the Holder by crediting the account of the Holder's Prime Broker with DTC through its DWAC system (to the extent not inconsistent with any provisions of this Warrant or the Purchase Agreement).

(g) In no event may the Holder exercise this Warrant in whole or in part unless the Holder is an "accredited investor" as defined in Regulation D under the Securities Act.

### 3. Stock Fully Paid; Reservation and Listing of Shares; Covenants.

(a) Stock Fully Paid. The Issuer represents, warrants, covenants and agrees that all shares of Warrant Stock which may be issued upon the exercise of this Warrant or otherwise hereunder will, when issued in accordance with the terms of this Warrant, be duly authorized, validly issued, fully paid and non-assessable and free from all taxes, liens and charges created by or through the Issuer. The Issuer further covenants and agrees that during the period within which this Warrant may be exercised, the Issuer will at all times have authorized and reserved for the purpose of the issue upon exercise of this Warrant a sufficient number of shares of Common Stock to provide for the exercise of this Warrant.

(b) Reservation. If any shares of Common Stock required to be reserved for issuance upon exercise of this Warrant or as otherwise provided hereunder require registration or qualification with any governmental authority under any federal or state law before such shares may be so issued, the Issuer will in good faith use its reasonable best efforts as expeditiously as possible at its expense to cause such shares to be duly registered or qualified. If the Issuer shall list any shares of Common Stock on any securities exchange or market it will, at its expense, list thereon, maintain and increase when necessary such listing, of, all shares of Warrant Stock from time to time issued upon exercise of this Warrant or as otherwise provided hereunder (provided that such Warrant Stock has been registered pursuant to a registration statement under the Securities Act then in effect), and, to the extent permissible under the applicable securities exchange rules, all unissued shares of Warrant Stock which are at any time issuable hereunder, so long as any shares of Common Stock shall be so listed. The Issuer will also so list on each securities exchange or market, and will maintain such listing of, any other securities which the Holder of this Warrant shall be entitled to receive upon the exercise of this Warrant if at the time any securities of the same class shall be listed on such securities exchange or market by the Issuer.

(c) Covenants. The Issuer shall not by any action including, without limitation, amending the Certificate of Incorporation or the by-laws of the Issuer, or through any reorganization, transfer of assets, consolidation, merger, dissolution, issue or sale of securities or any other action, avoid or seek to avoid the observance or performance of any of the terms of this Warrant, but will at all times in good faith assist in the carrying out of all such terms and in the taking of all such actions as may be necessary or appropriate to protect the rights of the Holder hereof against dilution (to the extent specifically provided herein) or impairment. Without limiting the generality of the foregoing, the Issuer will (i) not permit the par value, if any, of its Common Stock to exceed the then effective Warrant Price, (ii) not amend or modify any provision of the Certificate of Incorporation or by-laws of the Issuer in any manner that would adversely affect the rights of the Holders of the Warrants in their capacity as Holders of the Warrants, (iii) take all such action as may be reasonably necessary in order that the Issuer may validly and legally issue fully paid and nonassessable shares of Common Stock, free and clear of any liens, claims, encumbrances and restrictions (other than as provided herein) upon the exercise of this Warrant, and (iv) use its reasonable best efforts to obtain all such authorizations, exemptions or consents from any public regulatory body having jurisdiction thereof as may be reasonably necessary to enable the Issuer to perform its obligations under this Warrant.

(d) Loss, Theft, Destruction of Warrants. Upon receipt of evidence satisfactory to the Issuer of the ownership of and the loss, theft, destruction or mutilation of any Warrant and, in the case of any such loss, theft or destruction, upon receipt of indemnity or security satisfactory to the Issuer or, in the case of any such mutilation, upon surrender and cancellation of such Warrant, the Issuer will make and deliver, in lieu of such lost, stolen, destroyed or mutilated Warrant, a new Warrant of like tenor and representing the right to purchase the same number of shares of Common Stock.

4. Adjustment of Warrant Price and Warrant Share Number. The number of shares of Common Stock for which this Warrant is exercisable, and the price at which such shares may be purchased upon exercise of this Warrant, shall be subject to adjustment from time to time as set forth in this Section 4. The Issuer shall give the Holder notice of any event described below which requires an adjustment pursuant to this Section 4 in accordance with Section 5.

(a) Recapitalization, Reorganization, Reclassification, Consolidation, Merger or Sale.

(i) In case the Issuer after the Original Issue Date shall do any of the following (each, a "Triggering Event"): (a) consolidate or merge with or into another corporation where the holders of outstanding Voting Stock prior to such merger or consolidation do not own over 50% of the outstanding Voting Stock of the merged or consolidated entity immediately after such merger or consolidation, or (b) sell all or substantially all of its properties or assets to any other Person, or (c) change the Common Stock to the same or different number of shares of any class or classes of stock, whether by reclassification, exchange, substitution or otherwise (other than by way of a stock split or combination of shares or stock dividends or distributions provided for in Section 4(b) or Section 4(c)), or (d) effect a capital reorganization (other than by way of a stock split or combination of shares or stock dividends or distributions provided for in Section 4(b) or Section 4(c)), then, and in the case of each such Triggering Event, proper provision shall be made so



that, upon the basis and the terms and in the manner provided in this Warrant, the Holder of this Warrant shall be entitled upon the exercise hereof at any time after the consummation of such Triggering Event, to the extent this Warrant is not exercised prior to such Triggering Event, to receive at the Warrant Price in effect at the time immediately prior to the consummation of such Triggering Event in lieu of the Common Stock issuable upon such exercise of this Warrant prior to such Triggering Event, the securities, cash and property to which such Holder would have been entitled upon the consummation of such Triggering Event if such Holder had exercised the rights represented by this Warrant immediately prior thereto, subject to adjustments (subsequent to such corporate action) as nearly equivalent as possible to the adjustments provided for elsewhere in this Section 4.

(ii) Notwithstanding anything contained in this Warrant to the contrary, a Triggering Event shall not be deemed to have occurred if, prior to the consummation thereof, each Person (other than the Issuer) which may be required to deliver any securities, cash or property upon the exercise of this Warrant as provided herein shall assume, by written instrument delivered to, and reasonably satisfactory to, the Holder of this Warrant, (A) the obligations of the Issuer under this Warrant (and if the Issuer shall survive the consummation of such Triggering Event, such assumption shall be in addition to, and shall not release the Issuer from, any continuing obligations of the Issuer under this Warrant) and (B) the obligation to deliver to such Holder such shares of securities, cash or property as, in accordance with the foregoing provisions of this subsection (a), such Holder shall be entitled to receive, and such Person shall have similarly delivered to such Holder a written acknowledgement executed by the President or Chief Financial Officer of the Issuer, stating that this Warrant shall thereafter continue in full force and effect and the terms hereof (including, without limitation, all of the provisions of this subsection (a)) shall be applicable to the securities, cash or property which such Person may be required to deliver upon any exercise of this Warrant or the exercise of any rights pursuant hereto.

(b) Stock Dividends, Subdivisions and Combinations. If at any time the Issuer shall:

(i) make or issue or set a record date for the holders of its Common Stock for the purpose of entitling them to receive a dividend payable in, or other distribution of, shares of Common Stock,

(ii) subdivide its outstanding shares of Common Stock into a larger number of shares of Common Stock, or

(iii) combine its outstanding shares of Common Stock into a smaller number of shares of Common Stock,

then (1) the number of shares of Common Stock for which this Warrant is exercisable immediately after the occurrence of any such event shall be adjusted to equal the number of shares of Common Stock which a record holder of the same number of shares of Common Stock for which this Warrant is exercisable immediately prior to the occurrence of such event would

own or be entitled to receive after the happening of such event, and (2) the Warrant Price then in effect shall be adjusted to equal (A) the Warrant Price then in effect multiplied by the number of shares of Common Stock for which this Warrant is exercisable immediately prior to the adjustment divided by (B) the number of shares of Common Stock for which this Warrant is exercisable immediately after such adjustment.

Notwithstanding the foregoing, if such record date shall have been fixed and such dividend is not fully paid or if such distribution is not fully made on the date fixed therefor, the Warrant Price shall be adjusted pursuant to this paragraph as of the time of actual payment of such dividends or distributions.

(c) Certain Other Distributions. If at any time the Issuer shall make or issue or set a record date for the determination of the holders of its Common Stock for the purpose of entitling them to receive any dividend or other distribution of:

(i) cash (other than a cash dividend payable out of earnings or earned surplus legally available for the payment of dividends under the laws of the jurisdiction of incorporation of the Issuer),

(ii) any evidences of its indebtedness, any shares of stock of any class or any other securities or property of any nature whatsoever (other than cash), or

(iii) any warrants or other rights to subscribe for or purchase any evidences of its indebtedness, any shares of stock of any class or any other securities or property of any nature whatsoever (other than cash),

then (1) the number of shares of Common Stock for which this Warrant is exercisable shall be adjusted to equal the product of the number of shares of Common Stock for which this Warrant is exercisable immediately prior to such adjustment multiplied by a fraction (A) the numerator of which shall be the Per Share Market Value of Common Stock at the date of taking such record and (B) the denominator of which shall be such Per Share Market Value minus the amount allocable to one share of Common Stock of any such cash so distributable and of the fair value (as determined in good faith by the Board of Directors of the Issuer and supported by an opinion from an investment banking firm of recognized national standing acceptable to (but not affiliated with) the Holder) of any and all such evidences of indebtedness, shares of stock, other securities or property or warrants or other subscription or purchase rights so distributable, and (2) the Warrant Price then in effect shall be adjusted to equal (A) the Warrant Price then in effect multiplied by the number of shares of Common Stock for which this Warrant is exercisable immediately prior to the adjustment divided by (B) the number of shares of Common Stock for which this Warrant is exercisable immediately after such adjustment. A reclassification of the Common Stock (other than a change in par value, or from par value to no par value or from no par value to par value) into shares of Common Stock and shares of any other class of stock shall be deemed a distribution by the Issuer to the holders of its Common Stock of such shares of such other class of stock within the meaning of this Section 4(c) and, if the outstanding shares of Common Stock shall be changed into a larger or smaller number of shares of Common Stock as a part of such reclassification, such change shall be deemed a subdivision or combination, as the case may be, of the outstanding shares of Common Stock within the meaning of Section 4(b).

Notwithstanding the foregoing, if such record date shall have been fixed and such dividend is not fully paid or if such distribution is not fully made on the date fixed therefor, the Warrant Price shall be adjusted pursuant to this Section 4(c) as of the time of actual payment of such dividends or distributions.

(d) Other Provisions applicable to Adjustments under this Section. The following provisions shall be applicable to the making of adjustments of the number of shares of Common Stock for which this Warrant is exercisable and the Warrant Price then in effect provided for in this Section 4:

(i) When Adjustments to Be Made. The adjustments required by this Section 4 shall be made whenever and as often as any specified event requiring an adjustment shall occur, except that any adjustment of the number of shares of Common Stock for which this Warrant is exercisable that would otherwise be required may be postponed (except in the case of a subdivision or combination of shares of the Common Stock, as provided for in Section 4(b)) up to, but not beyond the date of exercise if such adjustment either by itself or with other adjustments not previously made adds or subtracts less than one percent (1%) of the shares of Common Stock for which this Warrant is exercisable immediately prior to the making of such adjustment. Any adjustment representing a change of less than such minimum amount (except as aforesaid) which is postponed shall be carried forward and made as soon as such adjustment, together with other adjustments required by this Section 4 and not previously made, would result in a minimum adjustment or on the date of exercise. For the purpose of any adjustment, any specified event shall be deemed to have occurred at the close of business on the date of its occurrence.

(ii) Fractional Interests. In computing adjustments under this Section 4, fractional interests in Common Stock shall be taken into account to the nearest one one-hundredth (1/100th) of a share.

(iii) When Adjustment Not Required. If the Issuer shall take a record of the holders of its Common Stock for the purpose of entitling them to receive a dividend or distribution or subscription or purchase rights and shall, thereafter and before the distribution to stockholders thereof, legally abandon its plan to pay or deliver such dividend, distribution, subscription or purchase rights, then thereafter no adjustment shall be required by reason of the taking of such record and any such adjustment previously made in respect thereof shall be rescinded and annulled.

(e) Form of Warrant after Adjustments. The form of this Warrant need not be changed because of any adjustments in the Warrant Price or the number and kind of Securities purchasable upon the exercise of this Warrant.

(f) Escrow of Warrant Stock. If after any property becomes distributable pursuant to this Section 4 by reason of the taking of any record of the holders of Common Stock, but prior to the occurrence of the event for which such record is taken, and the Holder exercises this Warrant, any shares of Common Stock issuable upon exercise by reason of such adjustment shall be deemed the last shares of Common Stock for which this Warrant is exercised (notwithstanding

any other provision to the contrary herein) and such shares or other property shall be held in escrow for the Holder by the Issuer to be issued to the Holder upon and to the extent that the event actually takes place, upon payment of the current Warrant Price. Notwithstanding any other provision to the contrary herein, if the event for which such record was taken fails to occur or is rescinded, then such escrowed shares shall be cancelled by the Issuer and escrowed property returned.

5. Notice of Adjustments. Whenever the Warrant Price or Warrant Share Number shall be adjusted pursuant to Section 4 hereof (for purposes of this Section 5, each an "adjustment"), the Issuer shall cause its Chief Financial Officer to prepare and execute a certificate setting forth, in reasonable detail, the event requiring the adjustment, the amount of the adjustment, the method by which such adjustment was calculated (including a description of the basis on which the Board made any determination hereunder), and the Warrant Price and Warrant Share Number after giving effect to such adjustment, and shall cause copies of such certificate to be delivered to the Holder of this Warrant promptly after each adjustment. Any dispute between the Issuer and the Holder of this Warrant with respect to the matters set forth in such certificate may at the option of the Holder of this Warrant be submitted to a national accounting firm selected by the Holder, provided that the Issuer shall have ten (10) days after receipt of notice from such Holder of its selection of such firm to object thereto, in which case such Holder shall select another such firm and the Issuer shall have no such right of objection. The firm selected by the Holder of this Warrant as provided in the preceding sentence shall be instructed to deliver a written opinion as to such matters to the Issuer and such Holder within thirty (30) days after submission to it of such dispute. Such opinion shall be final and binding on the parties hereto.

6. Fractional Shares. No fractional shares of Warrant Stock will be issued in connection with any exercise hereof, but in lieu of such fractional shares, the Issuer shall make a cash payment therefor equal in amount to the product of the applicable fraction multiplied by the Per Share Market Value then in effect.

7. Ownership Cap and Certain Exercise Restrictions. (a) Notwithstanding anything to the contrary set forth in this Warrant, at no time may a Holder of this Warrant exercise this Warrant if the number of shares of Common Stock to be issued pursuant to such exercise would exceed, when aggregated with all other shares of Common Stock owned by such Holder at such time, the number of shares of Common Stock which would result in such Holder owning more than 4.999% of all of the Common Stock outstanding at such time; provided, however, that upon a holder of this Warrant providing the Issuer with sixty-one (61) days notice (pursuant to Section 13 hereof) (the "Waiver Notice") that such Holder would like to waive this Section 7(a) with regard to any or all shares of Common Stock issuable upon exercise of this Warrant, this Section 7(a) will be of no force or effect with regard to all or a portion of the Warrant referenced in the Waiver Notice; provided, further, that this provision shall be of no further force or effect (i) during the sixty-one (61) days immediately preceding the expiration of the term of this Warrant or (ii) upon the Holder's receipt of a Call Notice (as defined in Section 8 hereof).

(b) The Holder may not exercise the Warrant hereunder to the extent such exercise would result in the Holder beneficially owning (as determined in accordance with Section 13(d) of the Exchange Act and the rules thereunder) in excess of 9.999% of the then

issued and outstanding shares of Common Stock, including shares issuable upon exercise of the Warrant held by the Holder after application of this Section; provided, however, that upon a holder of this Warrant providing the Issuer with a Waiver Notice that such holder would like to waive this Section 7(b) with regard to any or all shares of Common Stock issuable upon exercise of this Warrant, this Section 7(b) shall be of no force or effect with regard to those shares of Warrant Stock referenced in the Waiver Notice; provided, further, that this provision shall be of no further force or effect (i) during the sixty-one (61) days immediately preceding the expiration of the term of this Warrant or (ii) upon the Holder's receipt of a Call Notice.

8. Call. Notwithstanding anything herein to the contrary, commencing one (1) year following the effective date of a registration statement under the Securities Act providing for the resale of the Warrant Stock and the shares of Common Stock issuable pursuant to the Purchase Agreement (the "Registration Statement"), the Issuer, at its option, may call up to one hundred percent (100%) of this Warrant if the average of the Per Share Market Value of the Common Stock has been greater than two hundred percent (200%) of the Warrant Price (as may be adjusted for any stock splits or combinations of the Common Stock) for a period of twenty (20) consecutive Trading Days immediately prior to the date of delivery of the Call Notice (a "Call Notice Period") by providing the Holder of this Warrant written notice pursuant to Section 13 (the "Call Notice"); provided, that (a) the Registration Statement is then in effect and has been effective, without lapse or suspension of any kind, for a period of sixty (60) consecutive calendar days, (b) trading in the Common Stock shall not have been suspended by the Securities and Exchange Commission or Nasdaq and (c) the Issuer is in material compliance with the terms and conditions of this Warrant and the other Transaction Documents (as defined in the Purchase Agreement); provided, further, that the Registration Statement is in effect from the date of delivery of the Call Notice until the date which is the later of (i) the date the Holder exercises the Warrant pursuant to the Call Notice and (ii) the 20th day after the Holder receives the Call Notice (the "Early Termination Date"). The rights and privileges granted pursuant to this Warrant with respect to the shares of Warrant Stock subject to the Call Notice (the "Called Warrant Shares") shall expire on the Early Termination Date if this Warrant is not exercised with respect to such Called Warrant Shares prior to such Early Termination Date. In the event this Warrant is not exercised with respect to the Called Warrant Shares, the Issuer shall remit to the Holder of this Warrant (A) \$.10 per Called Warrant Share and (B) a new Warrant representing the number of shares of Warrant Stock, if any, which shall not have been subject to the Call Notice upon the Holder's tendering to the Issuer the applicable Warrant certificate.

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

"Board" shall mean the Board of Directors of the Issuer.

"Capital Stock" means and includes (i) any and all shares, interests, participations or other equivalents of or interests in (however designated) corporate stock, including, without limitation, shares of preferred or preference stock, (ii) all partnership interests (whether general or limited) in any Person which is a partnership, (iii) all membership interests or limited liability company interests in any limited liability company, and (iv) all equity or ownership interests in any Person of any other type.

"Certificate of Incorporation" means the Certificate of Incorporation of the Issuer as in effect on the Original Issue Date, and as hereafter from time to time amended, modified, supplemented or restated in accordance with the terms hereof and thereof and pursuant to applicable law.

"Common Stock" means the Common Stock, par value \$.01 per share, of the Issuer and any other Capital Stock into which such stock may hereafter be changed.

"Governmental Authority" means any governmental, regulatory or self-regulatory entity, department, body, official, authority, commission, board, agency or instrumentality, whether federal, state or local, and whether domestic or foreign.

"Holders" mean the Persons who shall from time to time own any Warrant. The term "Holder" means one of the Holders.

"Independent Appraiser" means a nationally recognized or major regional investment banking firm or firm of independent certified public accountants of recognized standing (which may be the firm that regularly examines the financial statements of the Issuer) that is regularly engaged in the business of appraising the Capital Stock or assets of corporations or other entities as going concerns, and which is not affiliated with either the Issuer or the Holder of any Warrant.

"Issuer" means Delcath Systems, Inc., a Delaware corporation, and its successors.

"Majority Holders" means at any time the Holders of Warrants exercisable for a majority of the shares of Warrant Stock issuable under the Warrants at the time outstanding.

"Nasdaq" means the Nasdaq SmallCap Market.

"Original Issue Date" means March 19, 2004.

"OTC Bulletin Board" means the over-the-counter electronic bulletin board.

"Person" means an individual, corporation, limited liability company, partnership, joint stock company, trust, unincorporated organization, joint venture, Governmental Authority or other entity of whatever nature.

"Per Share Market Value" means on any particular date (a) the closing sale price per share of the Common Stock on such date on Nasdaq or another registered national stock exchange on which the Common Stock is then listed, or if there is no such price on such date, then the closing sale price on such exchange or quotation system on the date nearest preceding such date, or (b) if the Common Stock is not listed then on Nasdaq or any registered national stock exchange, the closing sale price for a share of Common Stock in the over-the-counter market, as reported by the OTC Bulletin Board or in the National Quotation Bureau Incorporated or similar organization or agency succeeding to its functions of reporting prices) at the close of business on such date, or (c) if the

Common Stock is not then reported by the OTC Bulletin Board or the National Quotation Bureau Incorporated (or similar organization or agency succeeding to its functions of reporting prices), then the average of the "Pink Sheet" quotes for the five days preceding such date of determination, or (d) if the Common Stock is not then publicly traded the fair market value of a share of Common Stock as determined by an Independent Appraiser selected in good faith by the Majority Holders; provided, however, that the Issuer, after receipt of the determination by such Independent Appraiser, shall have the right to select an additional Independent Appraiser, in which case, the fair market value shall be equal to the average of the determinations by each such Independent Appraiser; and provided, further that all determinations of the Per Share Market Value shall be appropriately adjusted for any stock dividends, stock splits or other similar transactions during such period. The determination of fair market value by an Independent Appraiser shall be based upon the fair market value of the Issuer determined on a going concern basis as between a willing buyer and a willing seller and taking into account all relevant factors determinative of value, and shall be final and binding on all parties.

"Purchase Agreement" means the Common Stock Purchase Agreement dated as of March 19, 2004, among the Issuer and the investors a party thereto.

"Securities" means any debt or equity securities of the Issuer, whether now or hereafter authorized, any instrument convertible into or exchangeable for Securities or a Security, and any option, warrant or other right to purchase or acquire any Security. "Security" means one of the Securities.

"Securities Act" means the Securities Act of 1933, as amended, or any similar federal statute then in effect.

"Subsidiary" means any corporation at least 50% of whose outstanding Voting Stock shall at the time be owned directly or indirectly by the Issuer or by one or more of its Subsidiaries, or by the Issuer and one or more of its Subsidiaries.

"Term" has the meaning specified in Section 1 hereof.

"Trading Day" means (a) a day on which the Common Stock is traded on Nasdaq, or (b) if the Common Stock is not listed on Nasdaq, a day on which the Common Stock is traded on any other registered national stock exchange, or (c) if the Common Stock is not traded on any other registered national stock exchange, a day on which the Common Stock is traded on the OTC Bulletin Board, or (d) if the Common Stock is not traded on the OTC Bulletin Board, a day on which the Common Stock is quoted in the over-the-counter market as reported by the National Quotation Bureau Incorporated (or any similar organization or agency succeeding its functions of reporting prices); provided, however, that in the event that the Common Stock is not listed or quoted as set forth in (a), (b) and (c) hereof, then Trading Day shall mean any day except Saturday, Sunday and any day which shall be a legal holiday or a day on which banking institutions in the State of New York are authorized or required by law or other government action to close.

"Voting Stock" means, as applied to the Capital Stock of any corporation, Capital Stock of any class or classes (however designated) having ordinary voting power for the election of a majority of the members of the Board of Directors (or other governing body) of such corporation, other than Capital Stock having such power only by reason of the happening of a contingency.

"Warrants" means the Warrants issued and sold pursuant to the Purchase Agreement, including, without limitation, this Warrant, and any other warrants of like tenor issued in substitution or exchange for any thereof pursuant to the provisions of Section 2(c), 2(d) or 2(e) hereof or of any of such other Warrants.

"Warrant Price" initially means U.S. \$3.01, as such Warrant Price may be adjusted from time to time as shall result from the adjustments specified in this Warrant, including Section 4 hereto.

"Warrant Share Number" means at any time the aggregate number of shares of Warrant Stock which may at such time be purchased upon exercise of this Warrant, after giving effect to all prior adjustments and increases to such number made or required to be made under the terms hereof.

"Warrant Stock" means Common Stock issuable upon exercise of any Warrant or Warrants or otherwise issuable pursuant to any Warrant or Warrants.

10. Other Notices. In case at any time:

- (A) the Issuer shall make any distributions to the holders of Common Stock; or
- (B) the Issuer shall authorize the granting to all holders of its Common Stock of rights to subscribe for or purchase any shares of Capital Stock of any class or other rights; or
- (C) there shall be any reclassification of the Capital Stock of the Issuer; or
- (D) there shall be any capital reorganization by the Issuer; or
- (E) there shall be any (i) consolidation or merger involving the Issuer or (ii) sale, transfer or other disposition of all or substantially all of the Issuer's property, assets or business (except a merger or other reorganization in which the Issuer shall be the surviving corporation and its shares of Capital Stock shall continue to be outstanding and unchanged and except a consolidation, merger, sale, transfer or other disposition involving a wholly-owned Subsidiary); or



- (F) there shall be a voluntary or involuntary dissolution, liquidation or winding-up of the Issuer or any partial liquidation of the Issuer or distribution to holders of Common Stock;

then, in each of such cases, the Issuer shall give written notice to the Holder of the date on which (i) the books of the Issuer shall close or a record shall be taken for such dividend, distribution or subscription rights or (ii) such reorganization, reclassification, consolidation, merger, disposition, dissolution, liquidation or winding-up, as the case may be, shall take place. Such notice also shall specify the date as of which the holders of Common Stock of record shall participate in such dividend, distribution or subscription rights, or shall be entitled to exchange their certificates for Common Stock for securities or other property deliverable upon such reorganization, reclassification, consolidation, merger, disposition, dissolution, liquidation or winding-up, as the case may be. Such notice shall be given at least twenty (20) days prior to the record date or effective date for the event specified in such notice.

11. Amendment and Waiver. Any term, covenant, agreement or condition in this Warrant may be amended, or compliance therewith may be waived (either generally or in a particular instance and either retroactively or prospectively), by a written instrument or written instruments executed by the Issuer and the Majority Holders; provided, however, that no such amendment or waiver shall reduce the Warrant Share Number, increase the Warrant Price, shorten the period during which this Warrant may be exercised or modify any provision of this Section 10 without the consent of the Holder of this Warrant.

12. Governing Law. THIS WARRANT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK, WITHOUT GIVING EFFECT TO PRINCIPLES OF CONFLICTS OF LAW.

13. Notices. Any and all notices or other communications or deliveries required or permitted to be provided hereunder shall be in writing and shall be deemed given and effective on the earlier of (i) the date of transmission, if such notice or communication is delivered via facsimile at the facsimile telephone number specified for notice prior to 5:00 p.m., eastern time, on a Trading Day, (ii) the Trading Day after the date of transmission, if such notice or communication is delivered via facsimile at the facsimile telephone number specified for notice later than 5:00 p.m., eastern time, on any date and earlier than 11:59 p.m., eastern time, on such date, (iii) the Trading Day following the date of mailing, if sent by overnight delivery by nationally recognized overnight courier service or (iv) actual receipt by the party to whom such notice is required to be given. The addresses for such communications shall be with respect to the Holder of this Warrant or of Warrant Stock issued pursuant hereto, addressed to such Holder at its last known address or facsimile number appearing on the books of the Issuer maintained for such purposes, or with respect to the Issuer, addressed to:

Delcath Systems, Inc.  
1100 Summer Street, 3rd Floor  
Stamford, Connecticut 06905  
Attention: President and Chief Executive Officer  
Tel. No.: (203) 323-8668

Copies of notices to the Issuer shall be sent to Murtha Cullina LLP, Whitney Grove Square, Two Whitney Avenue, New Haven, Connecticut 06503, Attention: Paul G. Hughes, Tel. No.: (203) 772-7700, Fax No.: (203) 772-7723. Copies of notices to the Holder shall be sent to Jenkens & Gilchrist Parker Chapin LLP, 405 Lexington Avenue, New York, New York 10174, Attention: Christopher S. Auguste, Facsimile No.: (212) 704-6288. Any party hereto may from time to time change its address for notices by giving at least ten (10) days written notice of such changed address to the other party hereto.

14. Warrant Agent. The Issuer may, by written notice to each Holder of this Warrant, appoint an agent having an office in New York, New York for the purpose of issuing shares of Warrant Stock on the exercise of this Warrant pursuant to subsection (b) of Section 2 hereof, exchanging this Warrant pursuant to subsection (d) of Section 2 hereof or replacing this Warrant pursuant to subsection (d) of Section 3 hereof, or any of the foregoing, and thereafter any such issuance, exchange or replacement, as the case may be, shall be made at such office by such agent.

15. Remedies. The Issuer stipulates that the remedies at law of the Holder of this Warrant in the event of any default or threatened default by the Issuer in the performance of or compliance with any of the terms of this Warrant are not and will not be adequate and that, to the fullest extent permitted by law, such terms may be specifically enforced by a decree for the specific performance of any agreement contained herein or by an injunction against a violation of any of the terms hereof or otherwise.

16. Successors and Assigns. This Warrant and the rights evidenced hereby shall inure to the benefit of and be binding upon the successors and assigns of the Issuer, the Holder hereof and (to the extent provided herein) the Holders of Warrant Stock issued pursuant hereto, and shall be enforceable by any such Holder or Holder of Warrant Stock.

17. Modification and Severability. If, in any action before any court or agency legally empowered to enforce any provision contained herein, any provision hereof is found to be unenforceable, then such provision shall be deemed modified to the extent necessary to make it enforceable by such court or agency. If any such provision is not enforceable as set forth in the preceding sentence, the unenforceability of such provision shall not affect the other provisions of this Warrant, but this Warrant shall be construed as if such unenforceable provision had never been contained herein.

18. Headings. The headings of the Sections of this Warrant are for convenience of reference only and shall not, for any purpose, be deemed a part of this Warrant.

IN WITNESS WHEREOF, the Issuer has executed this Warrant as of the day and year first above written.

DELCATH SYSTEMS, INC.

By:

-----  
Name: M.S. Koly  
Title: President and Chief Executive Officer

EXERCISE FORM

DELCATH SYSTEMS, INC.

The undersigned \_\_\_\_\_, pursuant to the provisions of the within Warrant, hereby elects to purchase \_\_\_\_\_ shares of Common Stock of Delcath Systems, Inc. covered by the within Warrant.

Dated: \_\_\_\_\_ Signature \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_

Number of shares of Common Stock beneficially owned or deemed beneficially owned by the Holder on the date of Exercise: \_\_\_\_\_

ASSIGNMENT

FOR VALUE RECEIVED, \_\_\_\_\_ hereby sells, assigns and transfers unto \_\_\_\_\_ the within Warrant and all rights evidenced thereby and does irrevocably constitute and appoint \_\_\_\_\_, attorney, to transfer the said Warrant on the books of the within named corporation.

Dated: \_\_\_\_\_ Signature \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_

PARTIAL ASSIGNMENT

FOR VALUE RECEIVED, \_\_\_\_\_ hereby sells, assigns and transfers unto \_\_\_\_\_ the right to purchase \_\_\_\_\_ shares of Warrant Stock evidenced by the within Warrant together with all rights therein, and does irrevocably constitute and appoint \_\_\_\_\_, attorney, to transfer that part of the said Warrant on the books of the within named corporation.

Dated: \_\_\_\_\_ Signature \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_

FOR USE BY THE ISSUER ONLY:

This Warrant No. W-04-\_\_\_ canceled (or transferred or exchanged) this \_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, shares of Common Stock issued therefor in the name of

\_\_\_\_\_, Warrant No. W-04-\_\_\_\_ issued for \_\_\_\_ shares of Common Stock  
in the name of \_\_\_\_\_.

COMMON STOCK PURCHASE

AGREEMENT

Dated as of March 19, 2004

by and among

DELCATH SYSTEMS, INC.

and

THE PURCHASERS LISTED ON EXHIBIT A

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COMMON STOCK PURCHASE AGREEMENT

This COMMON STOCK PURCHASE AGREEMENT this ("Agreement"), dated as of March 19, 2004 by and between Delcath Systems, Inc., a Delaware corporation (the "Company"), and the purchasers listed on Exhibit A hereto (each a "Purchaser" and collectively, the "Purchasers"), for the purchase and sale of shares of the Company's common stock, par value \$.01 per share (the "Common Stock") by the Purchasers.

The parties hereto agree as follows:

ARTICLE I

PURCHASE AND SALE OF COMMON STOCK AND WARRANTS

Section 1.1. Purchase and Sale of Common Stock and Warrants.

(a) Upon the following terms and conditions, the Company shall issue and sell to the Purchasers, and the Purchasers shall purchase from the Company, shares of Common Stock (the "Shares") at a price per share of \$2.41 (the "Per Share Purchase Price") for an aggregate purchase price of up to \$3,000,000 (the "Purchase Price"). The Company and the Purchasers are executing and delivering this Agreement in accordance with and in reliance upon the exemption from securities registration afforded by Section 4(2) of the U.S. Securities Act of 1933, as amended, and the rules and regulations promulgated thereunder (the "Securities Act"), including Regulation D ("Regulation D"), and/or upon such other exemption from the registration requirements of the Securities Act as may be available with respect to any or all of the investments to be made hereunder.

(b) Upon the following terms and conditions, each of the Purchasers shall be issued Warrants, in substantially the form attached hereto as Exhibit B (the "Warrants"), to purchase the number of shares of Common Stock set forth opposite such Purchaser's name on Exhibit A hereto. The Warrants shall expire five (5) years from the Closing Date and shall have an exercise price per share equal to the Warrant Price (as defined in the Warrant). Any shares of Common Stock issuable upon exercise of the Warrants (and such shares when issued) are herein referred to as the "Warrant Shares". The Shares, the Warrants and the Warrant Shares are sometimes collectively referred to herein as the "Securities".

Section 1.2. Purchase Price and Closing. In consideration of and in express reliance upon the representations, warranties, covenants, terms and conditions of this Agreement, the Company agrees to issue and sell to the Purchasers and, in consideration of and in express reliance upon the representations, warranties, covenants, terms and conditions of this Agreement, the Purchasers, severally but not jointly, agree to purchase the number of Shares and Warrants, in each case, set forth opposite their respective names on Exhibit A. The closing of the purchase and sale of the Shares and Warrants to be acquired by the Purchasers from the Company under this Agreement shall take place at the offices of Jenkins & Gilchrist Parker Chapin LLP, The Chrysler Building, 405 Lexington Avenue, New York, New York 10174 (the "Closing") at such time and on such date as the Purchasers and the Company may agree upon (the "Closing Date"),

provided, that all of the conditions set forth in Article IV hereof and applicable to the Closing shall have been fulfilled or waived in accordance herewith. At the Closing, the Company shall deliver or cause to be delivered to each Purchaser (i) a certificate registered in the name of the Purchaser representing the number of Shares as is set forth opposite the name of such Purchaser on Exhibit A and (ii) a certificate representing a Warrant to purchase such number of shares of Common Stock as is set forth opposite the name of such Purchaser on Exhibit A. At the Closing, each Purchaser shall deliver its Purchase Price by wire transfer to an account designated by the Company.

## ARTICLE

### REPRESENTATIONS AND WARRANTIES

Section 2.1. Representations and Warranties of the Company. The Company hereby represents and warrants to the Purchasers as follows, as of the date hereof and the Closing Date, except as set forth on the Schedule of Exceptions attached hereto with each numbered Schedule corresponding to the section number herein:

(a) Organization, Good Standing and Power. The Company is a corporation duly incorporated, validly existing and in good standing under the laws of the State of Delaware and has the requisite corporate power to own, lease and operate its properties and assets and to conduct its business as it is now being conducted. The Company does not have any Subsidiaries (as defined in Section 2.1(g)) or own securities of any kind in any other entity except as set forth on Schedule 2.1(g) hereto. The Company and each such Subsidiary (as defined in Section 2.1(g)) is duly qualified as a foreign corporation to do business and is in good standing in every jurisdiction in which the nature of the business conducted or property owned by it makes such qualification necessary except for any jurisdiction(s) (alone or in the aggregate) in which the failure to be so qualified could not reasonably be expected to have a Material Adverse Effect. For the purposes of this Agreement, "Material Adverse Effect" means any effect on the business, results of operations, assets or financial condition of the Company that is material and adverse to the Company and its subsidiaries and/or any condition, circumstance, or situation that would prohibit or otherwise materially interfere with the ability of the Company from entering into and performing any of its obligations under the Transaction Documents (as defined below) in any material respect.

(b) Authorization; Enforcement. The Company has the requisite corporate power and authority to enter into and perform this Agreement, the Warrants and that certain Registration Rights Agreement by and among the Company and the Purchasers, dated as of the date hereof, substantially in the form of Exhibit C attached hereto (the "Registration Rights Agreement" and, together with this Agreement and the Warrants, the "Transaction Documents") and to issue and sell the Securities in accordance with the terms hereof. The execution, delivery and performance of the Transaction Documents by the Company and the consummation by it of the transactions contemplated thereby have been duly and validly authorized by all necessary corporate action, and, except as set forth on Schedule 2.1(b), no further consent or authorization of the Company, its Board of Directors or stockholders is required. When executed and delivered by the Company, each of the Transaction Documents shall constitute a valid and

binding obligation of the Company enforceable against the Company in accordance with its terms, except as such enforceability may be limited by applicable bankruptcy, reorganization, moratorium, liquidation, conservatorship, receivership or similar laws relating to, or affecting generally the enforcement of, creditors' rights and remedies or by other equitable principles of general application.

(c) Capitalization. The authorized capital stock of the Company as of March 17, 2004 is set forth on Schedule 2.1(c) hereto. All of the outstanding shares of the Common Stock and any other outstanding security of the Company have been duly and validly authorized. Except as set forth in this Agreement and as set forth on Schedule 2.1(c) hereto, no shares of Common Stock or any other security of the Company are entitled to preemptive rights or registration rights and there are no outstanding options, warrants, scrip, rights to subscribe to, call or commitments of any character whatsoever relating to, or securities or rights convertible into, any shares of capital stock of the Company. Furthermore, except as set forth in this Agreement and as set forth on Schedule 2.1(c) hereto, there are no contracts, commitments, understandings, or arrangements by which the Company is or may become bound to issue additional shares of the capital stock of the Company or options, securities or rights convertible into shares of capital stock of the Company. Except for customary transfer restrictions contained in agreements entered into by the Company in order to sell restricted securities or as provided on Schedule 2.1(c) hereto, the Company is not a party to or bound by any agreement or understanding granting registration or anti-dilution rights to any person with respect to any of its equity or debt securities. Except as set forth on Schedule 2.1(c), the Company is not a party to, and it has no knowledge of, any agreement or understanding restricting the voting or transfer of any shares of the capital stock of the Company.

(d) Issuance of Securities. The Shares and the Warrants to be issued at the Closing have been duly authorized by all necessary corporate action and, when paid for and issued in accordance with the terms hereof and the Warrants, respectively, the Shares and the Warrant Shares will be validly issued, fully paid and nonassessable and free and clear of all liens, encumbrances and rights of refusal of any kind and the holders shall be entitled to all rights accorded to a holder of Common Stock.

(e) No Conflicts. The execution, delivery and performance of the Transaction Documents by the Company and the consummation by the Company of the transactions contemplated hereby and thereby do not and will not (i) violate any provision of the Company's Certificate of Incorporation (the "Certificate") or Bylaws (the "Bylaws"), each as amended to date, or any Subsidiary's comparable charter documents, (ii) conflict with, or constitute a default (or an event which with notice or lapse of time or both would become a default) under, or give to others any rights of termination, amendment, acceleration or cancellation of, any agreement, mortgage, deed of trust, indenture, note, bond, license, lease agreement, instrument or obligation to which the Company or any of its Subsidiaries is a party or by which the Company or any of its Subsidiaries' respective properties or assets are bound, or (iii) result in a violation of any federal, state, local or foreign statute, rule, regulation, order, judgment or decree (including federal and state securities laws and regulations) applicable to the Company or any of its Subsidiaries or by which any property or asset of the Company or any of its Subsidiaries is bound or affected, except, in all cases, other than violations pursuant to clauses (i) or (iii) (with respect to federal and state securities laws) above, except, for such conflicts, defaults, terminations, amendments,

acceleration, cancellations and violations as could not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect. Neither the Company nor any of its Subsidiaries is required under federal, state, foreign or local law, rule or regulation to obtain any consent, authorization or order of, or make any filing or registration with, any court or governmental agency in order for it to execute, deliver or perform any of its obligations under the Transaction Documents or issue and sell the Securities in accordance with the terms hereof (other than any filings, consents and approvals which may be required to be made by the Company under applicable state and federal securities laws, rules or as may be required for the Company to carry out its obligations under the Registration Rights Agreement).

(f) Commission Documents, Financial Statements. The Common Stock of the Company is registered pursuant to Section 12(b) or 12(g) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and, except as disclosed on Schedule 2.1(f) hereto, the Company has during at least the two (2) years preceding the date hereof timely filed all reports, schedules, forms, statements and other documents required to be filed by it with the Securities and Exchange Commission (the "Commission") pursuant to the reporting requirements of the Exchange Act (all of the foregoing including filings incorporated by reference therein being referred to herein as the "Commission Documents"). At the times of their respective filings, the Form 10-QSB for the fiscal quarters ended September 30, 2003, June 30, 2003 and March 31, 2003 (collectively, the "Form 10-QSB") and the Form 10-KSB for the fiscal year ended December 31, 2002 (the "Form 10-KSB") complied in all material respects with the requirements of the Exchange Act and the rules and regulations of the Commission promulgated thereunder, and the Form 10-QSB and Form 10-KSB at the time of their respective filings did not contain any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary in order to make the statements therein, in light of the circumstances under which they were made, not misleading. As of their respective dates, the financial statements of the Company included in the Commission Documents complied as to form in all material respects with applicable accounting requirements and the published rules and regulations of the Commission or other applicable rules and regulations with respect thereto. Such financial statements have been prepared in accordance with accounting principles generally accepted in the United States ("GAAP") applied on a consistent basis during the periods involved (except (i) as may be otherwise indicated in such financial statements or the Notes thereto or (ii) in the case of unaudited interim statements, to the extent they may not include footnotes or may be condensed or summary statements), and fairly present in all material respects the financial position of the Company and its Subsidiaries as of the dates thereof and the results of operations and cash flows for the periods then ended (subject, in the case of unaudited statements, to normal year-end audit adjustments).

(g) Subsidiaries. Schedule 2.1(g) hereto sets forth each Subsidiary of the Company, showing the jurisdiction of its incorporation or organization and showing the percentage of each person's ownership of the outstanding stock or other interests of such Subsidiary. For the purposes of this Agreement, "Subsidiary" shall mean any corporation or other entity of which at least a majority of the securities or other ownership interest having ordinary voting power (absolutely or contingently) for the election of directors or other persons performing similar functions are at the time owned directly or indirectly by the Company and/or any of its other Subsidiaries. All of the outstanding shares of capital stock of each Subsidiary have been duly authorized and validly issued, and are fully paid and nonassessable. There are no

outstanding preemptive, conversion or other rights, options, warrants or agreements granted or issued by or binding upon any Subsidiary for the purchase or acquisition of any shares of capital stock of any Subsidiary or any other securities convertible into, exchangeable for or evidencing the rights to subscribe for any shares of such capital stock. Neither the Company nor any Subsidiary is subject to any obligation (contingent or otherwise) to repurchase or otherwise acquire or retire any shares of the capital stock of any Subsidiary or any convertible securities, rights, warrants or options of the type described in the preceding sentence except as set forth on Schedule 2.1(g) hereto. Neither the Company nor any Subsidiary is party to, nor has any knowledge of, any agreement restricting the voting or transfer of any shares of the capital stock of any Subsidiary.

(h) No Material Adverse Change. Since September 30, 2003, the Company has not experienced or suffered any Material Adverse Effect, except as disclosed on Schedule 2.1(h) hereto.

(i) No Undisclosed Liabilities. Except as disclosed on Schedule 2.1(i) hereto, since September 30, 2003, neither the Company nor any of its Subsidiaries has incurred any liabilities, obligations, claims or losses (whether liquidated or unliquidated, secured or unsecured, absolute, accrued, contingent or otherwise) other than those incurred in the ordinary course of the Company's or its Subsidiaries respective businesses or which, individually or in the aggregate, are not reasonably likely to have a Material Adverse Effect.

(j) No Undisclosed Events or Circumstances. Since September 30, 2003, except as disclosed on Schedule 2.1(j) hereto, no event or circumstance has occurred or exists with respect to the Company or its Subsidiaries or their respective businesses, properties, operations or financial condition, which, under applicable law, rule or regulation, requires public disclosure or announcement by the Company but which has not been so publicly announced or disclosed.

(k) Indebtedness. Schedule 2.1(k) hereto sets forth as of the date hereof all outstanding secured and unsecured Indebtedness of the Company or any Subsidiary, or for which the Company or any Subsidiary has commitments. For the purposes of this Agreement, "Indebtedness" shall mean (a) any liabilities for borrowed money or amounts owed in excess of \$300,000 (other than trade accounts payable incurred in the ordinary course of business), (b) all guaranties, endorsements and other contingent obligations in respect of liabilities for borrowed money of others in excess of \$100,000, whether or not the same are or should be reflected in the Company's balance sheet (or the notes thereto), except guaranties by endorsement of negotiable instruments for deposit or collection or similar transactions in the ordinary course of business; and (c) the present value of any lease payments in excess of \$25,000 due under leases required to be capitalized in accordance with GAAP. Neither the Company nor any Subsidiary is in default with respect to any Indebtedness.

(l) Title to Assets. Each of the Company and the Subsidiaries has good and valid title to all of its real and personal property reflected in the Commission Documents, free and clear of any mortgages, pledges, charges, liens, security interests or other encumbrances, except for those indicated on Schedule 2.1(l) hereto or such that, individually or in the aggregate,

could not reasonably be expected to cause a Material Adverse Effect. All said leases of the Company and each of its Subsidiaries are valid and subsisting and in full force and effect.

(m) Actions Pending. There is no action, suit, claim, investigation, arbitration, alternate dispute resolution proceeding or other proceeding pending or, to the knowledge of the Company, threatened against the Company or any Subsidiary which questions the validity of this Agreement or any of the other Transaction Documents or any of the transactions contemplated hereby or thereby or any action taken or to be taken pursuant hereto or thereto. Except as set forth on Schedule 2.1(m) hereto, there is no action, suit, claim, investigation, arbitration, alternate dispute resolution proceeding or other proceeding pending or, to the knowledge of the Company, threatened against or involving the Company, any Subsidiary or any of their respective properties or assets, which individually or in the aggregate, could reasonably be expected to have a Material Adverse Effect. There are no outstanding orders, judgments, injunctions, awards or decrees of any court, arbitrator or governmental or regulatory body against the Company or any Subsidiary or any officers or directors of the Company or any Subsidiary in their capacities as such, which individually or in the aggregate, could reasonably be expected to have a Material Adverse Effect.

(n) Compliance with Law. The business of the Company and the Subsidiaries has been and is presently being conducted in accordance with all applicable federal, state and local governmental laws, rules, regulations and ordinances, except as set forth in the Commission Documents or on Schedule 2.1(n) hereto or such that, individually or in the aggregate, the noncompliance therewith could not reasonably be expected to have a Material Adverse Effect. The Company and each of its Subsidiaries have all franchises, permits, licenses, consents and other governmental or regulatory authorizations and approvals necessary for the conduct of its business as now being conducted by it unless the failure to possess such franchises, permits, licenses, consents and other governmental or regulatory authorizations and approvals, individually or in the aggregate, could not reasonably be expected to have a Material Adverse Effect.

(o) Taxes. Except as set forth on Schedule 2.1(o) hereto, the Company and each of the Subsidiaries has accurately prepared and filed all federal, state and other tax returns required by law to be filed by it, has paid or made provisions for the payment of all taxes shown to be due and all additional assessments, and adequate provisions have been and are reflected in the financial statements of the Company and the Subsidiaries for all current taxes and other charges to which the Company or any Subsidiary is subject and which are not currently due and payable. Except as disclosed on Schedule 2.1(o) hereto, none of the federal income tax returns of the Company or any Subsidiary has been audited by the Internal Revenue Service. The Company has no knowledge of any additional assessments, adjustments or contingent tax liability (whether federal or state) of any nature whatsoever, whether pending or threatened against the Company or any Subsidiary for any period, nor of any basis for any such assessment, adjustment or contingency.

(p) Certain Fees. Except as set forth on Schedule 2.1(p) hereto, the Company has not employed any broker or finder or incurred any liability for any brokerage or investment banking fees, commissions, finders' structuring fees, financial advisory fees or other similar fees in connection with the Transaction Documents.

(q) Disclosure. To the best of the Company's knowledge, neither this Agreement or the Schedules hereto nor any other documents, certificates or instruments furnished to the Purchasers by or on behalf of the Company or any Subsidiary in connection with the transactions contemplated by this Agreement contains any untrue statement of a material fact or omits to state a material fact necessary in order to make the statements made herein or therein, in the light of the circumstances under which they were made herein or therein, not misleading.

(r) Operation of Business. Except as set forth on Schedule 2.1(r) hereto, the Company and each of the Subsidiaries owns or possesses the rights to all patents, trademarks, domain names (whether or not registered) and any patentable improvements or copyrightable derivative works thereof, websites and intellectual property rights relating thereto, service marks, trade names, copyrights, licenses and authorizations which are necessary for the conduct of its business as now conducted without any conflict with the rights of others.

(s) Environmental Compliance. Except as disclosed on Schedule 2.1(s) hereto, the Company and each of its Subsidiaries have obtained all material approvals, authorization, certificates, consents, licenses, orders and permits or other similar authorizations of all governmental authorities, or from any other person, that are required under any Environmental Laws. "Environmental Laws" shall mean all applicable laws relating to the protection of the environment including, without limitation, all requirements pertaining to reporting, licensing, permitting, controlling, investigating or remediating emissions, discharges, releases or threatened releases of hazardous substances, chemical substances, pollutants, contaminants or toxic substances, materials or wastes, whether solid, liquid or gaseous in nature, into the air, surface water, groundwater or land, or relating to the manufacture, processing, distribution, use, treatment, storage, disposal, transport or handling of hazardous substances, chemical substances, pollutants, contaminants or toxic substances, material or wastes, whether solid, liquid or gaseous in nature. Except as set forth on Schedule 2.1(s) hereto, the Company has all necessary governmental approvals required under all Environmental Laws and used in its business or in the business of any of its Subsidiaries, except for such instances as could not individually or in the aggregate be reasonably expected to have a Material Adverse Effect. The Company and each of its Subsidiaries are also in compliance with all other limitations, restrictions, conditions, standards, requirements, schedules and timetables required or imposed under all Environmental Laws. Except for such instances as could not individually or in the aggregate be reasonably expected to have a Material Adverse Effect, there are no past or present events, conditions, circumstances, incidents, actions or omissions relating to or in any way affecting the Company or its Subsidiaries that violate or would be reasonably likely to violate any Environmental Law after the Closing or that would be reasonably likely to give rise to any environmental liability, or otherwise form the basis of any claim, action, demand, suit, proceeding, hearing, study or investigation (i) under any Environmental Law or (ii) based on or related to the manufacture, processing, distribution, use, treatment, storage (including, without limitation, underground storage tanks), disposal, transport or handling, or the emission, discharge, release or threatened release of any hazardous substance.

(t) Books and Records; Internal Accounting Controls. The records and documents of the Company and its Subsidiaries accurately reflect in all material respects the information relating to the business of the Company and its Subsidiaries, the location and collection of their assets, and the nature of all transactions giving rise to the obligations or

accounts receivable of the Company or any Subsidiary. The Company and each of its Subsidiaries maintain a system of internal accounting controls sufficient, in the judgment of the Company, to provide reasonable assurance that (i) transactions are executed in accordance with management's general or specific authorizations, (ii) transactions are recorded as necessary to permit preparation of financial statements in conformity with GAAP and to maintain asset accountability, (iii) access to assets is permitted only in accordance with management's general or specific authorization and (iv) the recorded accountability for assets is compared with the existing assets at reasonable intervals and appropriate actions are taken with respect to any differences.

(u) Material Agreements. Except for the Transaction Documents (with respect to clause (i) only), as disclosed in the Commission Documents or as set forth on Schedule 2.1(u) hereto, or as would not be reasonably likely to have a Material Adverse Effect, (i) the Company and each of its Subsidiaries have performed all obligations required to be performed by them to date under any written or oral contract, instrument, agreement, commitment, obligation, plan or arrangement, filed or required to be filed with the Commission (the "Material Agreements"), (ii) neither the Company nor any of its Subsidiaries has received any notice of default under any Material Agreement and, (iii) to the best of the Company's knowledge, neither the Company nor any of its Subsidiaries is in default under any Material Agreement now in effect.

(v) Transactions with Affiliates. Except as set forth on Schedule 2.1(v) hereto, there are no loans, leases, agreements, contracts, royalty agreements, management contracts or arrangements or other continuing transactions between (a) the Company, any Subsidiary or any of their respective customers or suppliers on the one hand, and (b) on the other hand, any officer, employee, consultant or director of the Company, or any of its Subsidiaries, or any person owning any capital stock of the Company or any Subsidiary or any member of the immediate family of such officer, employee, consultant, director or stockholder or any corporation or other entity controlled by such officer, employee, consultant, director or stockholder, or a member of the immediate family of such officer, employee, consultant, director or stockholder which, in each case, is required to be disclosed in the Commission Documents or in the Company's most recently filed definitive proxy statement on Schedule 14A, that is not so disclosed in the Commission Documents or in such proxy statement.

(w) Securities Act of 1933. Based in material part upon the representations herein of the Purchasers, the Company has complied and will comply with all applicable federal and state securities laws in connection with the offer, issuance and sale of the Securities hereunder. Neither the Company nor, to its knowledge, anyone acting on its behalf, directly or indirectly, has or will sell, offer to sell or solicit offers to buy any of the Securities or similar securities to, or solicit offers with respect thereto from, or enter into any negotiations relating thereto with, any person, or has taken or will take any action so as to bring the issuance and sale of any of the Securities under the registration provisions of the Securities Act and applicable state securities laws, and neither the Company nor any of its affiliates, nor, to its knowledge, any person acting on its or their behalf, has engaged in any form of general solicitation or general advertising (within the meaning of Regulation D under the Securities Act) in connection with the offer or sale of any of the Securities.



(x) Governmental Approvals. Except as set forth on Schedule 2.1(x) hereto, and except for the filing of any notice prior or subsequent to the Closing that may be required under applicable state and/or federal securities laws (which if required, shall be filed on a timely basis), no authorization, consent, approval, license, exemption of, filing or registration with any court or governmental department, commission, board, bureau, agency or instrumentality, domestic or foreign, is or will be necessary for, or in connection with, the execution or delivery of the Shares, or for the performance by the Company of its obligations under the Transaction Documents.

(y) Employees. Neither the Company nor any Subsidiary has any collective bargaining arrangements or agreements covering any of its employees, except as set forth on Schedule 2.1(y) hereto or disclosed in the Commission Documents. Except as set forth on Schedule 2.1(y) hereto or disclosed in the Commission Documents, neither the Company nor any Subsidiary has any employment contract, agreement regarding proprietary information, non-competition agreement, non-solicitation agreement, confidentiality agreement, or any other similar contract or restrictive covenant, relating to the right of any officer, employee or consultant to be employed or engaged by the Company or such Subsidiary required to be disclosed in the Commission Documents that is not so disclosed. Since September 30, 2003, no officer, consultant or key employee of the Company or any Subsidiary whose termination, either individually or in the aggregate, would be reasonably likely to have a Material Adverse Effect, has terminated or, to the knowledge of the Company, has any present intention of terminating his or her employment or engagement with the Company or any Subsidiary.

(z) Absence of Certain Developments. Except as provided on Schedule 2.1(z) hereto, since September 30, 2003, neither the Company nor any Subsidiary has:

(i) issued any stock, bonds or other corporate securities or any right, options or warrants with respect thereto;

(ii) borrowed any amount in excess of \$300,000 or incurred or become subject to any other liabilities in excess of \$100,000 (absolute or contingent) except current liabilities incurred in the ordinary course of business which are comparable in nature and amount to the current liabilities incurred in the ordinary course of business during the comparable portion of its prior fiscal year, as adjusted to reflect the current nature and volume of the business of the Company and its Subsidiaries;

(iii) discharged or satisfied any lien or encumbrance in excess of \$250,000 or paid any obligation or liability (absolute or contingent) in excess of \$250,000, other than current liabilities paid in the ordinary course of business;

(iv) declared or made any payment or distribution of cash or other property to stockholders with respect to its stock, or purchased or redeemed, or made any agreements so to purchase or redeem, any shares of its capital stock, in each case in excess of \$50,000 individually or \$100,000 in the aggregate;

(v) sold, assigned or transferred any other tangible assets, or canceled any debts or claims, in each case in excess of \$250,000, except in the ordinary course of business;

(vi) sold, assigned or transferred any patent rights, trademarks, trade names, copyrights, trade secrets or other intangible assets or intellectual property rights in excess of \$250,000, or disclosed any proprietary confidential information to any person except to participants in clinical trials, customers in the ordinary course of business or to the Purchasers or their representatives;

(vii) suffered any material losses or waived any rights of material value, whether or not in the ordinary course of business;

(viii) made any changes in employee compensation except in the ordinary course of business and consistent with past practices;

(ix) made capital expenditures or commitments therefor that aggregate in excess of \$500,000;

(x) entered into any material transaction, whether or not in the ordinary course of business;

(xi) made charitable contributions or pledges in excess of \$25,000;

(xii) suffered any material damage, destruction or casualty loss, whether or not covered by insurance;

(xiii) experienced any material problems with labor or management in connection with the terms and conditions of their employment; or

(xiv) entered into an agreement, written or otherwise, to take any of the foregoing actions.

(aa) Public Utility Holding Company Act and Investment Company Act Status. The Company is not a "holding company" or a "public utility company" as such terms are defined in the Public Utility Holding Company Act of 1935, as amended. The Company is not, and as a result of and immediately upon the Closing will not be, an "investment company" or a company "controlled" by an "investment company," within the meaning of the Investment Company Act of 1940, as amended.

(bb) ERISA. No liability to the Pension Benefit Guaranty Corporation has been incurred with respect to any Plan by the Company or any of its Subsidiaries which is or could reasonably be expected to be materially adverse to the Company and its Subsidiaries. The execution and delivery of this Agreement and the issuance and sale of the Securities will not involve any transaction which is subject to the prohibitions of Section 406 of the Employee Retirement Income Security Act of 1974, as amended ("ERISA") or in connection with which a

tax could be imposed pursuant to Section 4975 of the Internal Revenue Code of 1986, as amended, provided that, if any of the Purchasers, or any person or entity that owns a beneficial interest in any of the Purchasers, is an "employee pension benefit plan" (within the meaning of Section 3(2) of ERISA) with respect to which the Company is a "party in interest" (within the meaning of Section 3(14) of ERISA), the requirements of Sections 407(d)(5) and 408(e) of ERISA, if applicable, are met. As used in this Section 2.1(z), the term "Plan" shall mean an "employee pension benefit plan" (as defined in Section 3 of ERISA) which is or has been established or maintained, or to which contributions are or have been made, by the Company or any Subsidiary or by any trade or business, whether or not incorporated, which, together with the Company or any Subsidiary, is under common control, as described in Section 414(b) or (c) of the Code.

(cc) Delisting Notification. Except as provided on Schedule 2.1(cc) hereto, the Company has not received notice (written or oral) from the Nasdaq SmallCap Market to the effect that the Company is not in compliance with the listing or maintenance requirements of such market.

(dd) Independent Nature of Purchasers. The Company acknowledges that the obligations of each Purchaser under the Transaction Documents are several and not joint with the obligations of any other Purchaser, and no Purchaser shall be responsible in any way for the performance of the obligations of any other Purchaser under the Transaction Documents. The Company acknowledges that the decision of each Purchaser to purchase Securities pursuant to this Agreement has been made by such Purchaser independently of any other purchaser and independently of any information, materials, statements or opinions as to the business, affairs, operations, assets, properties, liabilities, results of operations, condition (financial or otherwise) or prospects of the Company or of its Subsidiaries which may have made or given by any other Purchaser or by any agent or employee of any other Purchaser, and no Purchaser or any of its agents or employees shall have any liability to any Purchaser (or any other person) relating to or arising from any such information, materials, statements or opinions. The Company acknowledges that nothing contained herein, or in any Transaction Document, and no action taken by any Purchaser pursuant hereto or thereto, shall be deemed to constitute the Purchasers as a partnership, an association, a joint venture or any other kind of entity, or create a presumption that the Purchasers are in any way acting in concert or as a group with respect to such obligations or the transactions contemplated by the Transaction Documents. The Company acknowledges that each Purchaser shall be entitled to independently protect and enforce its rights, including without limitation, the rights arising out of this Agreement or out of the other Transaction Documents, and it shall not be necessary for any other Purchaser to be joined as an additional party in any proceeding for such purpose. The Company acknowledges that such procedure with respect to the Transaction Documents in no way creates a presumption that the Purchasers are in any way acting in concert or as a group with respect to the Transaction Documents or the transactions contemplated hereby or thereby.

(ee) No Integrated Offering. Neither the Company, nor any of its affiliates, nor any person acting on its or their behalf, has directly or indirectly made any offers or sales of any security or solicited any offers to buy any security under circumstances that would cause the offering of the Securities pursuant to this Agreement to be integrated with prior offerings by the Company for purposes of the Securities Act which would prevent the Company from selling the

Securities pursuant to Regulation D and Rule 506 thereof under the Securities Act, or any applicable exchange-related stockholder approval provisions, nor will the Company or any of its affiliates or subsidiaries take any action or steps that would cause the offering of the Securities to be integrated with other offerings if such other offering, if integrated, would cause the offer and sale of the Securities not to be exempt from registration pursuant to Regulation D and Rule 506 thereof under the Securities Act. The Company does not have any registration statement pending before the Commission or currently under the Commission's review.

(ff) Sarbanes-Oxley Act. The Company is in substantial compliance with the applicable provisions of the Sarbanes-Oxley Act of 2002 (the "Sarbanes-Oxley Act"), and the rules and regulations promulgated thereunder, that are effective and for which compliance by the Company is required as of the date hereof and intends to comply substantially with other applicable provisions of the Sarbanes-Oxley Act, and the rules and regulations promulgated thereunder, upon the effectiveness of such provisions or the date by which compliance therewith by the Company is required.

Section 2.2. Representations and Warranties of the Purchasers. Each of the Purchasers hereby represents and warrants to the Company with respect solely to itself and not with respect to any other Purchaser as follows as of the date hereof and as of the Closing Date:

(a) Organization and Standing of the Purchasers. If the Purchaser is an entity, such Purchaser is a corporation, limited liability company or partnership duly incorporated or organized, validly existing and in good standing under the laws of the jurisdiction of its incorporation or organization.

(b) Authorization and Power. Such Purchaser has the requisite power and authority to enter into and perform the Transaction Documents and to purchase the Securities being sold to it hereunder. The execution, delivery and performance of the Transaction Documents by such Purchaser and the consummation by it of the transactions contemplated hereby have been duly authorized by all necessary corporate, partnership or other action, and no further consent or authorization of such Purchaser or its Board of Directors, stockholders, partners or members, as the case may be, is required. When executed and delivered by the Purchasers, the other Transaction Documents shall constitute valid and binding obligations of such Purchaser enforceable against such Purchaser in accordance with their terms, except as such enforceability may be limited by applicable bankruptcy, insolvency, reorganization, moratorium, liquidation, conservatorship, receivership or similar laws relating to, or affecting generally the enforcement of, creditor's rights and remedies or by other equitable principles of general application.

(c) No Conflict. The execution, delivery and performance of the Transaction Documents by such Purchaser and the consummation by such Purchaser of the transactions contemplated thereby and hereby do not and will not (i) violate any provision of such Purchaser's charter or organizational documents, (ii) conflict with, or constitute a default (or an event which with notice or lapse of time or both would become a default) under, or give to others any rights of termination, amendment, acceleration or cancellation of, any agreement, mortgage, deed of trust, indenture, note, bond, license, lease agreement, instrument or obligation to which such Purchaser is a party or by which such Purchaser's respective properties or assets are bound,

or (iii) result in a violation of any federal, state, local or foreign statute, rule, regulation, order, judgment or decree (including federal and state securities laws and regulations) applicable to such Purchaser or by which any property or asset of such Purchaser are bound or affected, except, in all cases, other than violations pursuant to clauses (i) or (iii) (with respect to federal and state securities laws) above, for such conflicts, defaults, terminations, amendments, accelerations, cancellations and violations as would not, individually or in the aggregate, materially and adversely affect such Purchaser's ability to perform its obligations under the Transaction Documents.

(d) Acquisition for Investment. Such Purchaser is purchasing the Shares and Warrants and will purchase any Warrant Shares solely for its own account for the purpose of investment and not with a view to or for sale in connection with distribution. Such Purchaser does not have a present intention to sell any of the Shares, Warrants or Warrant Shares, nor a present arrangement (whether or not legally binding) or intention to effect any distribution of any of the Shares, the Warrants or the Warrant Shares to or through any person or entity; provided, however, that by making the representations herein, such Purchaser does not agree to hold the Shares, the Warrants or the Warrant Shares for any minimum or other specific term and reserves the right to dispose of the Shares, the Warrants or the Warrant Shares at any time in accordance with Federal and state securities laws applicable to such disposition. Such Purchaser acknowledges that it (i) has such knowledge and experience in financial and business matters such that Purchaser is capable of evaluating the merits and risks of Purchaser's investment in the Company, (ii) is able to bear the financial risks associated with an investment in the Securities and (iii) has been given full access to such records of the Company and the Subsidiaries and to the officers of the Company and the Subsidiaries as it has deemed necessary or appropriate to conduct its due diligence investigation.

(e) Rule 144. Such Purchaser understands that the Securities must be held indefinitely unless such Securities are registered under the Securities Act or an exemption from registration is available. Such Purchaser acknowledges that such person is familiar with Rule 144 of the rules and regulations of the Commission, as amended, promulgated pursuant to the Securities Act ("Rule 144"), and that such Purchaser has been advised that Rule 144 permits resales only under certain circumstances. Such Purchaser understands that to the extent that Rule 144 is not available, such Purchaser will be unable to sell any Securities without either registration under the Securities Act or the existence of another exemption from such registration requirement.

(f) General. Such Purchaser understands that the Securities are being offered and sold in reliance on a transactional exemption from the registration requirements of federal and state securities laws and the Company is relying upon the truth and accuracy of the representations, warranties, agreements, acknowledgments and understandings of such Purchaser set forth herein in order to determine the applicability of such exemptions and the suitability of such Purchaser to acquire the Securities. Such Purchaser understands that no United States federal or state agency or any government or governmental agency has passed upon or made any recommendation or endorsement of the Securities.

(g) No General Solicitation. Such Purchaser acknowledges that the Securities were not offered to such Purchaser by means of any form of general or public solicitation or

general advertising, or publicly disseminated advertisements or sales literature, including (i) any advertisement, article, notice or other communication published in any newspaper, magazine, or similar media, or broadcast over television or radio, or (ii) any seminar or meeting to which such Purchaser was invited by any of the foregoing means of communications. Such Purchaser, in making the decision to purchase the Securities, has relied upon independent investigation made by it and has not relied on any information or representations made by third parties.

(h) Accredited Investor. Such Purchaser is an "accredited investor" (as defined in Rule 501 of Regulation D), and such Purchaser has such experience in business and financial matters that it is capable of evaluating the merits and risks of an investment in the Securities. Such Purchaser is not required to be registered as a broker-dealer under Section 15 of the Exchange Act and such Purchaser is not a broker-dealer. Such Purchaser acknowledges that an investment in the Securities is speculative and involves a high degree of risk. Such Purchaser has completed or caused to be completed the Investor Questionnaire Certification attached hereto as Exhibit D certifying as to its status as an "accredited investor" and understands that the Company is relying upon the truth and accuracy of such information set forth therein to determine the suitability of such Purchaser to acquire the Securities.

(i) Certain Fees. The Purchasers have not employed any broker or finder or incurred any liability for any brokerage or investment banking fees, commissions, finders' structuring fees, financial advisory fees or other similar fees in connection with the Transaction Documents.

(j) Independent Investment. No Purchaser has agreed to act with any other Purchaser for the purpose of acquiring, holding, voting or disposing of the Securities purchased hereunder for purposes of Section 13(d) under the Exchange Act, and each Purchaser is acting independently with respect to its investment in the Securities. The Company acknowledges that for reasons of administrative convenience only, the Transaction Documents have been prepared by counsel for one of the Purchasers and such counsel does not represent all of the Purchasers but only such Purchaser and the other Purchasers have retained their own individual counsel with respect to the transactions contemplated hereby. The Company acknowledges that it has elected to provide all Purchasers with the same terms and Transaction Documents for the convenience of the Company and not because it was required or requested to do so by the Purchasers.

### ARTICLE III

#### COVENANTS

The Company covenants with each Purchaser as follows, which covenants are for the benefit of each Purchaser and their respective permitted assignees.

Section 3.1. Securities Compliance. The Company shall notify the Commission in accordance with its rules and regulations, of the transactions contemplated by any of the Transaction Documents and shall take all other necessary action and proceedings as may be required and permitted by applicable law, rule and regulation, for the legal and valid issuance of the Securities to the Purchasers, or their respective subsequent holders.

Section 3.2. Registration and Listing. The Company shall cause its Common Stock to continue to be registered under Sections 12(b) or 12(g) of the Exchange Act, to comply in all respects with its reporting and filing obligations under the Exchange Act, to comply with all requirements related to any registration statement filed pursuant to this Agreement, and to not take any action or file any document (whether or not permitted by the Securities Act or the rules promulgated thereunder) to terminate or suspend such registration or to terminate or suspend its reporting and filing obligations under the Exchange Act or Securities Act, except as permitted herein. The Company will use its commercially reasonable efforts to continue the listing or trading of its Common Stock on the Nasdaq SmallCap Market or any successor market.

Section 3.3. Compliance with Laws. The Company shall comply, and cause each Subsidiary to comply, with all applicable laws, rules, regulations and orders, noncompliance with which would be reasonably likely to have a Material Adverse Effect.

Section 3.4. Keeping of Records and Books of Account. The Company shall keep and cause each Subsidiary to keep adequate records and books of account, in which complete entries will be made in accordance with GAAP consistently applied, reflecting all financial transactions of the Company and its Subsidiaries.

Section 3.5. Reporting Requirements. If the Company ceases to file its periodic reports with the Commission, or if the Commission ceases making these periodic reports available via the Internet without charge, then the Company shall, promptly after filing with the Commission, furnish the following to each Purchaser so long as such Purchaser shall be obligated hereunder to purchase the Securities or shall beneficially own Shares or Warrant Shares:

(a) Quarterly Reports filed with the Commission on Form 10-QSB;

(b) Annual Reports filed with the Commission on Form 10-KSB; and

(c) Copies of all notices, information and proxy statements in connection with any meetings, that are, in each case, provided to holders of shares of Common Stock, contemporaneously with the delivery of such notices or information to such holders of Common Stock.

Section 3.6. Other Agreements. The Company shall not enter into any agreement in which the terms of such agreement would restrict or impair the right or ability of the Company or any Subsidiary to perform its obligations under any Transaction Document.

Section 3.7. Use of Proceeds. The net proceeds from the sale of the Shares will be used by the Company for working capital and general corporate purposes.

Section 3.8. Reporting Status; Eligibility to Use Form S-3. So long as a Purchaser beneficially owns any of the Securities, the Company shall timely file all reports required to be filed with the Commission pursuant to the Exchange Act, and the Company shall not terminate its status as an issuer required to file reports under the Exchange Act even if the Exchange Act or the rules and regulations thereunder would permit such termination. The Company currently meets, and will take all necessary action to continue to meet, the "registrant

eligibility" requirements set forth in the general instructions to Form S-3 applicable to "resale" registrations on Form S-3 during the Effectiveness Period (as defined in the Registration Rights Agreement).

Section 3.9. Disclosure of Transaction. The Company shall issue a press release describing the material terms of the transactions contemplated hereby (the "Press Release") as soon as practicable after the Closing; provided, however, that if Closing occurs after 4:00 P.M. Eastern Time on any Trading Day but in no event later than one hour after the Closing, the Company shall issue the Press Release no later than 9:00 A.M. Eastern Time on the first Trading Day following the Closing Date. The Company shall also file with the Commission a Current Report on Form 8-K (the "Form 8-K") describing the material terms of the transactions contemplated hereby (and attaching as exhibits thereto this Agreement, the Registration Rights Agreement and the form of Warrant) as soon as practicable following the date of execution of this Agreement but in no event more than two (2) Trading Days following the date of execution of this Agreement, which Press Release and Form 8-K shall be subject to prior review and comment by the Purchasers. "Trading Day" means any day during which the Nasdaq SmallCap Market (or other principal exchange on which the Common Stock is traded) shall be open for trading.

Section 3.10. Disclosure of Material Information. The Company covenants and agrees that neither it nor, to its knowledge, any other person acting on its behalf has provided or will provide any Purchaser or its agents or counsel with any information that the Company believes constitutes material non-public information, unless prior thereto such Purchaser shall have executed a written agreement regarding the confidentiality and use of such information. The Company understands and confirms that each Purchaser shall be relying on the foregoing representations in effecting transactions in securities of the Company.

Section 3.11. Pledge of Securities. The Company acknowledges and agrees that the Securities may be pledged by a Purchaser in connection with a bona fide margin agreement or other loan or financing arrangement that is secured by the Common Stock. The pledge of Common Stock shall not be deemed to be a transfer, sale or assignment of the Common Stock hereunder, and no Purchaser effecting a pledge of Common Stock shall be required to provide the Company with any notice thereof or otherwise make any delivery to the Company pursuant to this Agreement or any other Transaction Document; provided that a Purchaser and its pledgee shall be required to comply with the provisions of Article V hereof in order to effect a sale, transfer or assignment of Common Stock to such pledgee. At the Purchasers' expense, the Company hereby agrees to execute and deliver such documentation as a pledgee of the Common Stock may reasonably request in connection with a pledge of the Common Stock to such pledgee by a Purchaser.

#### ARTICLE IV

#### CONDITIONS

Section 4.1. Conditions Precedent to the Obligation of the Company to Close and to Sell the Securities. The obligation hereunder of the Company to close and issue and sell



the Securities to the Purchasers at the Closing Date is subject to the satisfaction or waiver, at or before the Closing of the conditions set forth below. These conditions are for the Company's sole benefit and may be waived by the Company at any time in its sole discretion.

(a) Accuracy of the Purchasers' Representations and Warranties. The representations and warranties of each Purchaser shall be true and correct in all material respects as of the date when made and as of the Closing Date as though made at that time, except for representations and warranties that are expressly made as of a particular date, which shall be true and correct in all material respects as of such date.

(b) Performance by the Purchasers. Each Purchaser shall have performed, satisfied and complied in all material respects with all covenants, agreements and conditions required by this Agreement to be performed, satisfied or complied with by such Purchaser at or prior to the Closing Date.

(c) No Injunction. No statute, rule, regulation, executive order, decree, ruling or injunction shall have been enacted, entered, promulgated or endorsed by any court or governmental authority of competent jurisdiction which prohibits the consummation of any of the transactions contemplated by this Agreement.

(d) Delivery of Purchase Price. The Purchase Price for the Shares shall have been delivered to the Company on the Closing Date in immediately available funds.

(e) Delivery of Transaction Documents. The Transaction Documents shall have been duly executed and delivered by the Purchasers to the Company.

Section 4.2. Conditions Precedent to the Obligation of the Purchasers to Close and to Purchase the Securities. The obligation hereunder of each Purchaser to purchase the Securities and consummate the transactions contemplated by this Agreement is subject to the satisfaction or waiver, at or before the Closing Date, of each of the conditions set forth below. These conditions are for the Purchaser's sole benefit and may be waived by the Purchaser at any time in its sole discretion.

(a) Accuracy of the Company's Representations and Warranties. Each of the representations and warranties of the Company in this Agreement and the Registration Rights Agreement shall be true and correct in all material respects as of the Closing Date, except for representations and warranties that speak as of a particular date, which shall be true and correct in all material respects as of such date.

(b) Performance by the Company. The Company shall have performed, satisfied and complied in all material respects with all covenants, agreements and conditions required by this Agreement to be performed, satisfied or complied with by the Company at or prior to the Closing Date.

(c) No Suspension, Etc. Trading in the Common Stock shall not have been suspended by the Commission or the Nasdaq SmallCap Market (except for any suspension of trading of limited duration agreed to by the Company, which suspension shall be terminated prior to the Closing), and, at any time prior to the Closing Date, trading in securities generally as

reported by Bloomberg Financial Markets ("Bloomberg") shall not have been suspended or limited, or minimum prices shall not have been established on securities whose trades are reported by Bloomberg, or on the New York Stock Exchange, nor shall a banking moratorium have been declared either by the United States or New York State authorities.

(d) No Injunction. No statute, rule, regulation, executive order, decree, ruling or injunction shall have been enacted, entered, promulgated or endorsed by any court or governmental authority of competent jurisdiction which prohibits the consummation of any of the transactions contemplated by this Agreement.

(e) No Proceedings or Litigation. No action, suit or proceeding before any arbitrator or any governmental authority shall have been commenced, and no investigation by any governmental authority shall have been threatened, against the Company or any Subsidiary, or any of the officers, directors or affiliates of the Company or any Subsidiary seeking to restrain, prevent or change the transactions contemplated by this Agreement, or seeking damages in connection with such transactions.

(f) Opinion of Counsel. The Purchasers shall have received an opinion of counsel to the Company, dated the date of such Closing, substantially in the form of Exhibit E hereto, with such exceptions and limitations as shall be reasonably acceptable to counsel to the Purchasers.

(g) Shares and Warrants. At or prior to the Closing, the Company shall have delivered to the Purchasers certificates representing the Shares (in such denominations as each Purchaser may request) and certificates representing the Warrants, in each case, being acquired by the Purchasers at the Closing.

(h) Secretary's Certificate. The Company shall have delivered to the Purchasers a secretary's certificate, dated as of the Closing Date, as to (i) the resolutions adopted by the Board of Directors approving the transactions contemplated hereby, (ii) the Certificate, (iii) the Bylaws, each as in effect at the Closing, and (iv) the authority and incumbency of the officers of the Company executing the Transaction Documents and any other documents required to be executed or delivered in connection therewith.

(i) Officer's Certificate. On the Closing Date, the Company shall have delivered to the Purchasers a certificate signed by an executive officer on behalf of the Company, dated as of the Closing Date, confirming the accuracy of the Company's representations, warranties and its compliance with covenants as of the Closing Date and confirming the compliance by the Company with the conditions precedent set forth in paragraphs (b)-(e) of this Section 4.2 as of the Closing Date (provided that, with respect to the matters in paragraphs (d) and (e) of this Section 4.2, such confirmation shall be based on the knowledge of the executive officer after due inquiry).

(j) Registration Rights Agreement. As of the Closing Date, the parties shall have entered into the Registration Rights Agreement in the form of Exhibit C attached hereto.

(k) Material Adverse Effect. No Material Adverse Effect shall have occurred at or before the Closing Date.

## ARTICLE V

### CERTIFICATE LEGEND

Section 5.1. Legend. Each certificate representing the Securities shall be stamped or otherwise imprinted with a legend substantially in the following form (in addition to any legend required by applicable state securities or "blue sky" laws):

THE SECURITIES REPRESENTED BY THIS CERTIFICATE (THE "SECURITIES") HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT") OR ANY STATE SECURITIES LAWS AND MAY NOT BE SOLD, TRANSFERRED OR OTHERWISE DISPOSED OF UNLESS REGISTERED UNDER THE SECURITIES ACT AND UNDER APPLICABLE STATE SECURITIES LAWS OR DELCATH SYSTEMS, INC. SHALL HAVE RECEIVED AN OPINION OF COUNSEL REASONABLY SATISFACTORY TO IT THAT REGISTRATION OF SUCH SECURITIES UNDER THE SECURITIES ACT AND UNDER THE PROVISIONS OF APPLICABLE STATE SECURITIES LAWS IS NOT REQUIRED.

The Company agrees to reissue certificates representing any of the Shares and the Warrant Shares, without the legend set forth above if at such time, prior to making any transfer of any such Shares or Warrant Shares, such holder thereof shall give written notice to the Company describing the manner and terms of such transfer and removal as the Company may reasonably request. Such proposed transfer and removal will not be effected until: (a) either (i) the Company has received an opinion of counsel reasonably satisfactory to the Company, to the effect that the registration of the Shares or Warrant Shares under the Securities Act is not required in connection with such proposed transfer, (ii) a registration statement under the Securities Act covering such proposed disposition has been filed by the Company with the Commission and has become and remains effective under the Securities Act, (iii) the Company has received other evidence reasonably satisfactory to the Company that such registration and qualification under the Securities Act and state securities laws are not required, or (iv) the holder provides the Company with reasonable assurances that such security can be sold pursuant to Rule 144 under the Securities Act; and (b) either (i) the Company has received an opinion of counsel reasonably satisfactory to the Company, to the effect that registration or qualification under the securities or "blue sky" laws of any state is not required in connection with such proposed disposition, or (ii) compliance with applicable state securities or "blue sky" laws has been effected or a valid exemption exists with respect thereto. The Company will respond to any such notice from a holder within five (5) business days. In the case of any proposed transfer under this Section 5.1, the Company will use reasonable efforts to comply with any such applicable state securities or "blue sky" laws, but shall in no event be required, (x) to qualify to do business in any state where it is not then qualified, (y) to take any action that would subject it to tax or to the general service of process in any state where it is not then subject, or (z) to comply with state securities or "blue sky" laws of any state for which registration by coordination is unavailable to the Company. The restrictions on transfer contained in this Section 5.1 shall be in addition to, and not by way of limitation of, any other restrictions on transfer contained in any other section of this Agreement. Whenever a certificate representing the Shares or Warrant Shares is required

to be issued to a Purchaser without a legend, in lieu of delivering physical certificates representing the Shares or Warrant Shares, provided the Company's transfer agent is participating in the Depository Trust Company ("DTC") Fast Automated Securities Transfer --- program, the Company shall use its reasonable best efforts to cause its transfer agent to electronically transmit the Shares or Warrant Shares to a Purchaser by crediting the account of such Purchaser's Prime Broker with DTC through its Deposit Withdrawal Agent Commission ("DWAC") system (to the extent not inconsistent with any provisions of this Agreement)

## ARTICLE VI

### INDEMNIFICATION

Section 6.1. General Indemnity. The Company agrees to indemnify and hold harmless the Purchasers (and their respective directors, officers, affiliates, agents, successors and assigns) from and against any and all losses, liabilities, deficiencies, costs, damages and expenses (including, without limitation, reasonable attorneys' fees, charges and disbursements) incurred by the Purchasers and their directors, officers, affiliates, agents, successors and assigns as a result of any inaccuracy in or breach of the representations, warranties or covenants made by the Company herein. Each Purchaser severally but not jointly agrees to indemnify and hold harmless the Company and its directors, officers, affiliates, agents, successors and assigns from and against any and all losses, liabilities, deficiencies, costs, damages and expenses (including, without limitation, reasonable attorneys' fees, charges and disbursements) incurred by the Company and its directors, officers, affiliates, agents, successors and assigns as result of any inaccuracy in or breach of the representations, warranties or covenants made by such Purchaser herein. The maximum aggregate liability of each Purchaser pursuant to its indemnification obligations under this Article VI shall not exceed the portion of the Purchase Price paid by such Purchaser hereunder.

Section 6.2. Indemnification Procedure. Any party entitled to indemnification under this Article VI (an "indemnified party") will give written notice to the indemnifying party of any matters giving rise to a claim for indemnification; provided, that the failure of any indemnified party to give notice as provided herein shall not relieve the indemnifying party of its obligations under this Article VI except to the extent that the indemnifying party is actually prejudiced by such failure to give notice. In case any such action, proceeding or claim is brought against an indemnified party in respect of which indemnification is sought hereunder, the indemnifying party shall be entitled to participate in and, unless in the reasonable judgment of the indemnifying party a conflict of interest between it and the indemnified party exists with respect to such action, proceeding or claim (in which case the indemnifying party shall be responsible for the reasonable fees and expenses of one separate counsel for the indemnified parties), to assume the defense thereof with counsel reasonably satisfactory to the indemnified party. In the event that the indemnifying party advises an indemnified party that it will not contest such a claim for indemnification hereunder, or fails, within thirty (30) days of receipt of any indemnification notice to notify, in writing, such person of its election to defend, settle or compromise, at its sole cost and expense, any action, proceeding or claim (or discontinues its defense at any time after it commences such defense), then the indemnified party may, at its option, defend, settle or otherwise compromise or pay such action or claim. In any event, unless

and until the indemnifying party elects in writing to assume and does so assume the defense of any such claim, proceeding or action, the indemnified party's costs and expenses arising out of the defense, settlement or compromise of any such action, claim or proceeding shall be losses subject to indemnification hereunder. The indemnified party shall cooperate fully with the indemnifying party in connection with any negotiation or defense of any such action or claim by the indemnifying party and shall furnish to the indemnifying party all information reasonably available to the indemnified party which relates to such action or claim. The indemnifying party shall keep the indemnified party fully apprised at all times as to the status of the defense or any settlement negotiations with respect thereto. If the indemnifying party elects to defend any such action or claim, then the indemnified party shall be entitled to participate in such defense with counsel of its choice at its sole cost and expense. The indemnifying party shall not be liable for any settlement of any action, claim or proceeding effected without its prior written consent. Notwithstanding anything in this Article VI to the contrary, the indemnifying party shall not, without the indemnified party's prior written consent, settle or compromise any claim or consent to entry of any judgment in respect thereof which imposes any future obligation on the indemnified party or which does not include, as an unconditional term thereof, the giving by the claimant or the plaintiff to the indemnified party of a release from all liability in respect of such claim. The indemnification required by this Article VI shall be made by periodic payments of the amount thereof during the course of investigation or defense, as and when bills are received or expense, loss, damage or liability is incurred, so long as the indemnified party irrevocably agrees to refund such moneys if it is ultimately determined by a court of competent jurisdiction that such party was not entitled to indemnification. The indemnity agreements contained herein shall be in addition to (a) any cause of action or similar rights of the indemnified party against the indemnifying party or others, and (b) any liabilities the indemnifying party may be subject to pursuant to the law.

#### ARTICLE VII

#### MISCELLANEOUS

Section 7.1. Fees and Expenses. Each party shall pay the fees and expenses of its advisors, counsel, accountants and other experts, if any, and all other expenses, incurred by such party incident to the negotiation, preparation, execution, delivery and performance of this Agreement, provided that the Company shall pay all actual attorneys' fees and expenses (including disbursements and out-of-pocket expenses) for one counsel to the Purchasers incurred by the Purchasers in connection with (i) the preparation, negotiation, execution and delivery of this Agreement, the Registration Rights Agreement and the transactions contemplated thereunder, which payment shall be made at Closing and shall not exceed \$20,000 (exclusive of disbursements and out-of-pocket expenses), (ii) the filing and declaration of effectiveness by the Commission of the Registration Statement (as defined in the Registration Rights Agreement) and (iii) any amendments, modifications or waivers of this Agreement or any of the other Transaction Documents. In addition, the Company shall pay all reasonable fees and expenses incurred by the Purchasers in connection with the enforcement of this Agreement or any of the other Transaction Documents, including, without limitation, all reasonable attorneys' fees and expenses.

Section 7.2. Specific Performance; Consent to Jurisdiction; Venue.

(a) The Company and the Purchasers acknowledge and agree that irreparable damage would occur in the event that any of the provisions of this Agreement or the other Transaction Documents are not performed in accordance with their specific terms or are otherwise breached. It is accordingly agreed that the parties shall be entitled to an injunction or injunctions to prevent or cure breaches of the provisions of this Agreement or the other Transaction Documents and to enforce specifically the terms and provisions hereof or thereof, this being in addition to any other remedy to which any of them may be entitled by law or equity.

(b) The parties agree that venue for any dispute arising under this Agreement will lie exclusively in the state or federal courts located in New York County, New York, and the parties irrevocably waive any right to raise forum non conveniens or any other argument that New York is not the proper venue. The parties irrevocably consent to personal jurisdiction in the state and federal courts of the state of New York. The Company and each Purchaser consent to process being served in any such suit, action or proceeding by mailing a copy thereof to such party at the address in effect for notices to it under this Agreement and agrees that such service shall constitute good and sufficient service of process and notice thereof. Nothing in this Section 7.2 shall affect or limit any right to serve process in any other manner permitted by law. The Company and the Purchasers hereby agree that the prevailing party in any suit, action or proceeding arising out of or relating to the Securities, this Agreement or the Registration Rights Agreement, shall be entitled to reimbursement for reasonable legal fees from the non-prevailing party.

Section 7.3. Entire Agreement; Amendment. This Agreement and the Transaction Documents contain the entire understanding and agreement of the parties with respect to the matters covered hereby and, except as specifically set forth herein or in the other Transaction Documents, neither the Company nor any Purchaser make any representation, warranty, covenant or undertaking with respect to such matters, and they supersede all prior understandings and agreements with respect to said subject matter, all of which are merged herein. Following the Closing, no provision of this Agreement may be waived or amended other than by a written instrument signed by the Company and the Purchasers holding at least a majority of all Shares then held by the Purchasers. Any amendment or waiver effected in accordance with this Section 7.3 shall be binding upon each Purchaser (and their permitted assigns) and the Company.

Section 7.4. Notices. Any notice, demand, request, waiver or other communication required or permitted to be given hereunder shall be in writing and shall be effective (a) upon hand delivery by telecopy or facsimile at the address or number designated below (if delivered on a business day during normal business hours where such notice is to be received), or the first business day following such delivery (if delivered other than on a business day during normal business hours where such notice is to be received) or (b) on the second business day following the date of mailing by express courier service, fully prepaid, addressed to such address, or upon actual receipt of such mailing, whichever shall first occur. The addresses for such communications shall be:

If to the Company: Delcath Systems, Inc.

1100 Summer Street, 3rd Floor  
Stamford, Connecticut 06905  
Attention: President and Chief Executive Officer  
Tel. No.: (203) 323-8668  
Fax No.: (203) 961-0120

with copies (which copies shall not constitute notice

to the Company) to: Murtha Cullina LLP  
Whitney Grove Square  
Two Whitney Avenue  
New Haven, Connecticut 06503  
Attention: Paul G. Hughes  
Tel. No.: (203) 772-7700  
Fax No.: (203) 772-7723

If to any Purchaser: At the address of such Purchaser set forth on Exhibit A to this Agreement.

with copies to: Jenkens & Gilchrist Parker Chapin LLP  
The Chrysler Building  
405 Lexington Ave.  
New York, New York 10174  
Attention: Christopher S. Auguste  
Tel No.: (212) 704-6000  
Fax No.: (212) 704-6288

Any party hereto may from time to time change its address for notices by giving written notice of such changed address to the other parties hereto.

Section 7.5. Waivers. No waiver by any party of any default with respect to any provision, condition or requirement of this Agreement shall be deemed to be a continuing waiver in the future or a waiver of any other provision, condition or requirement hereof, nor shall any delay or omission of any party to exercise any right hereunder in any manner impair the exercise of any such right accruing to it thereafter.

Section 7.6. Headings. The article, section and subsection headings in this Agreement are for convenience only and shall not constitute a part of this Agreement for any other purpose and shall not be deemed to limit or affect any of the provisions hereof.

Section 7.7. Successors and Assigns. This Agreement shall be binding upon and inure to the benefit of the parties and their successors and assigns. After the Closing, the assignment by a party to this Agreement of any rights hereunder shall not affect the obligations of such party under this Agreement. Subject to Section 5.1 hereof and so long as any Purchaser is assigning at least 25,000 shares of Common Stock, such Purchaser may assign the Securities and its rights under this Agreement and the other Transaction Documents and any other rights hereto and thereto without the consent of the Company.

Section 7.8. No Third Party Beneficiaries. This Agreement is intended for the benefit of the parties hereto and their respective permitted successors and assigns and is not for the benefit of, nor may any provision hereof be enforced by, any other person.

Section 7.9. Governing Law. This Agreement shall be governed by and construed in accordance with the internal laws of the State of New York, without giving effect to the choice of law provisions. This Agreement shall not be interpreted or construed with any presumption against the party causing this Agreement to be drafted.

Section 7.10. Survival. The representations and warranties of the Company and the Purchasers shall survive the execution and delivery hereof and the Closing until the second anniversary of the Closing Date and the agreements and covenants set forth in Articles I, III, V, VI and VII of this Agreement shall survive the execution and delivery hereof and the Closing until the second anniversary of the Closing Date.

Section 7.11. Counterparts. This Agreement may be executed in any number of counterparts, all of which taken together shall constitute one and the same instrument and shall become effective when counterparts have been signed by each party and delivered to the other parties hereto, it being understood that all parties need not sign the same counterpart.

Section 7.12. Publicity. The Company agrees that it will not disclose, and will not include in any public announcement, the names of the Purchasers without the consent of the Purchasers, which consent shall not be unreasonably withheld or delayed, or unless and until such disclosure is required by law, rule or applicable regulation, and then only to the extent of such requirement.

Section 7.13. Severability. The provisions of this Agreement are severable and, in the event that any court of competent jurisdiction shall determine that any one or more of the provisions or part of the provisions contained in this Agreement shall, for any reason, be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provision or part of a provision of this Agreement and this Agreement shall be reformed and construed as if such invalid or illegal or unenforceable provision, or part of such provision, had never been contained herein, so that such provisions would be valid, legal and enforceable to the maximum extent possible.

Section 7.14. Further Assurances. From and after the date of this Agreement, upon the request of the Purchasers or the Company, the Company and each Purchaser shall execute and deliver such instruments, documents and other writings as may be reasonably necessary or desirable to confirm and carry out and to effectuate fully the intent and purposes of this Agreement, the Warrants and the Registration Rights Agreement.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]



IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed by their respective authorized officers as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

DKR SOUND SHORE OASIS HOLDING FUND, LTD.

By: BARBARA BURGER

-----  
Name: Barbara Burger  
Title: Alternate Director

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed by their respective authorized officers as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

BRISTOL INVESTMENT FUND, LTD.

By: PAUL KESSLER

-----  
Name: Paul Kessler  
Title: Director

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed by their respective authorized officers as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

TRUK OPPORTUNITY FUND, LLC

By: ATOLL ASSET MANAGEMENT, LLC

By: MICHAEL E. FEIN

-----  
Name: Michael E. Fein  
Title: Principal

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed by their respective authorized officers as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

TRUK INTERNATIONAL FUND, LP

By: ATOLL ASSET MANAGEMENT, LLC

By: MICHAEL E. FEIN

-----  
Name: Paul Kessler  
Title: Director

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed by their respective authorized officers as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

AS CAPITAL PARTNERS, LLC

By: MICHAEL COUGHLIN

-----  
Name: Michael Coughlin  
Title: CFO

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed by their respective authorized officers as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

SRG CAPITAL, LLC

By: ANDREW J. TURCHIN

-----  
Name: Andrew J. Turchin  
Title: Chief Financial Officer

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed by their respective authorized officers as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

BASSO EQUITY OPPORTUNITY HOLDING FUND LTD

By: HOWARD J. FISCHER

-----  
Name: Howard J. Fischer  
Title: Authorized Signatory

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed by their respective authorized officers as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

BASSO MULTI-STRATEGY HOLDING FUND LTD

By: HOWARD J. FISCHER

-----  
Name: Howard J. Fischer  
Title: Authorized Signatory



IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed by their respective authorized officers as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

ENABLE GROWTH PARTNERS LP

By: BRENDEN O'NEIL

-----  
Name: Brenden O'Neil  
Title: Principal

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed by their respective authorized officers as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

VERTICAL VENTURES, LLC

By: JOSH SILVERMAN

-----  
Name: Josh Silverman  
Title: Partner

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed by their respective authorized officers as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

IROQUOIS CAPITAL, LP

By: JOSH SILVERMAN

-----  
Name: Josh Silverman  
Title: Partner

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed by their respective authorized officers as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

OTAPA INVESTMENTS LLC

By: RICHARD CAYNE

-----  
Name: Richard Cayne  
Title: General Counsel

## REGISTRATION RIGHTS AGREEMENT

This Registration Rights Agreement (this "Agreement") is made and entered into as of March 19, 2004, by and among Delcath Systems, Inc., a Delaware corporation (the "Company"), and the purchasers listed on Schedule I hereto (the "Purchasers").

This Agreement is being entered into pursuant to the Common Stock Purchase Agreement dated as of the date hereof among the Company and the Purchasers (the "Purchase Agreement").

The Company and the Purchasers hereby agree as follows:

### 1. Definitions.

Capitalized terms used and not otherwise defined herein shall have the meanings given such terms in the Purchase Agreement. As used in this Agreement, the following terms shall have the following meanings:

"Advice" shall have meaning set forth in Section 3(m).

"Affiliate" means, with respect to any Person, any other Person that directly or indirectly controls or is controlled by or under common control with such Person. For the purposes of this definition, "control," when used with respect to any Person, means the possession, direct or indirect, of the power to direct or cause the direction of the management and policies of such Person, whether through the ownership of voting securities, by contract or otherwise; and the terms of "affiliated," "controlling" and "controlled" have meanings correlative to the foregoing.

"Board" shall have meaning set forth in Section 3(m).

"Business Day" means any day except Saturday, Sunday and any day which shall be a legal holiday or a day on which banking institutions in the state of New York generally are authorized or required by law or other government actions to close.

"Closing Date" means the date of the closing of the purchase and sale of the Shares pursuant to the Purchase Agreement.

"Commission" means the Securities and Exchange Commission.

"Common Stock" means the Company's Common Stock, par value \$.01 per share.

"Effectiveness Date" means with respect to the Registration Statement the earlier of the 90th day following the Closing Date or the date which is within five (5) Business Days of the date on which the Commission informs the Company that the Commission (i) will not review the Registration Statement or (ii) that the Company may request the acceleration of the effectiveness of the Registration Statement and the Company makes such request.

"Effectiveness Period" shall have the meaning set forth in Section 2.

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

"Filing Date" means the 30th day following the Closing Date.

"Holder" or "Holders" means the holder or holders, as the case may be, from time to time of Registrable Securities.

"Indemnified Party" shall have the meaning set forth in Section 5(c).

"Indemnifying Party" shall have the meaning set forth in Section 5(c).

"Losses" shall have the meaning set forth in Section 5(a).

"Person" means an individual or a corporation, partnership, trust, incorporated or unincorporated association, joint venture, limited liability company, joint stock company, government (or an agency or political subdivision thereof) or other entity of any kind.

"Proceeding" means an action, claim, suit, investigation or proceeding

(including, without limitation, an investigation or partial proceeding, such as a deposition), whether commenced or threatened.

"Prospectus" means the prospectus included in the Registration Statement (including, without limitation, a prospectus that includes any information previously omitted from a prospectus filed as part of an effective registration statement in reliance upon Rule 430A promulgated under the Securities Act), as amended or supplemented by any prospectus supplement, with respect to the terms of the offering of any portion of the Registrable Securities covered by the Registration Statement, and all other amendments and supplements to the Prospectus, including post-effective amendments, and all material incorporated by reference in such Prospectus.

"Registrable Securities" means (i) the shares of Common Stock issued to the Purchasers pursuant to the Purchase Agreement and (ii) the shares of Common Stock issuable upon exercise of the Warrants.

"Registration Statement" means the registration statements and any additional registration statements contemplated by Section 2, including (in each case) the Prospectus, amendments and supplements to such registration statement or Prospectus, including pre- and post-effective amendments, all exhibits thereto, and all material incorporated by reference in such registration statement.

"Rule 144" means Rule 144 promulgated by the Commission pursuant to the Securities Act, as such Rule may be amended from time to time, or any similar rule or regulation hereafter adopted by the Commission having substantially the same effect as such Rule.

"Rule 158" means Rule 158 promulgated by the Commission pursuant to the Securities Act, as such Rule may be amended from time to time, or any similar rule or regulation hereafter adopted by the Commission having substantially the same effect as such Rule.

"Rule 415" means Rule 415 promulgated by the Commission pursuant to the Securities Act, as such Rule may be amended from time to time, or any similar rule or regulation hereafter adopted by the Commission having substantially the same effect as such Rule.

"Securities Act" means the Securities Act of 1933, as amended.

"Special Counsel" means one special counsel to the Holders, for which the Holders will be reimbursed by the Company pursuant to Section 4.

## 2. Resale Registration.

On or prior to the Filing Date the Company shall prepare and file with the Commission a "resale" Registration Statement covering all Registrable Securities for an offering to be made on a continuous basis pursuant to Rule 415. The Registration Statement shall be on Form S-3 (except if the Company is not then eligible to register for resale the Registrable Securities on Form S-3, in which case such registration shall be on another appropriate form in accordance herewith). The Company shall (i) not permit any securities other than the Registrable Securities and the securities listed on Schedule II hereto to be included in the Registration Statement and (ii) use its reasonable best efforts to cause the Registration Statement to be declared effective under the Securities Act as promptly as practicable after the filing thereof, but in any event prior to the Effectiveness Date, and to keep such Registration Statement continuously effective under the Securities Act until such date as is the earlier of (x) the date when all Registrable Securities covered by such Registration Statement have been sold or (y) the date on which the Registrable Securities may be sold without any restriction pursuant to Rule 144 as determined by the counsel to the Company pursuant to a written opinion letter, addressed to the Company's transfer agent to such effect (the "Effectiveness Period").

## 3. Registration Procedures.

In connection with the Company's registration obligations hereunder, the Company shall:

(a) Prepare and file with the Commission on or prior to the Filing Date, a Registration Statement on Form S-3 (or if the Company is not then eligible to register for resale the Registrable Securities on Form S-3 such registration shall be on another appropriate form in accordance herewith) in accordance with the method or methods of distribution thereof as specified by the Holders (except if otherwise directed by the Holders), and use its reasonable best efforts to cause the Registration Statement to become effective and remain effective as provided herein; provided, however, that not less than five (5) Business Days prior to the filing of the Registration Statement or any related Prospectus or any amendment or supplement thereto (including any document that would be incorporated therein by reference), the Company shall (i)

furnish to the Holders and any Special Counsel, copies of all such documents proposed to be filed, which documents (other than those incorporated by reference) will be subject to the review of such Holders and such Special Counsel, and (ii) cause its officers and directors, counsel and independent certified public accountants to respond to such inquiries as shall be necessary, in the reasonable opinion of Special Counsel, to conduct a reasonable investigation within the meaning of the Securities Act. Unless otherwise advised by outside counsel to the Company, the Company shall not file the Registration Statement or any such Prospectus or any amendments or supplements thereto to which the Holders of a majority of the Registrable Securities or any Special Counsel shall reasonably object in writing within three (3) Business Days of their receipt thereof.

(b) (i) Prepare and file with the Commission such amendments, including post-effective amendments, to the Registration Statement as may be necessary to keep the Registration Statement continuously effective as to the applicable Registrable Securities for the Effectiveness Period; (ii) cause the related Prospectus to be amended or supplemented by any required Prospectus supplement, and as so supplemented or amended to be filed pursuant to Rule 424 (or any similar provisions then in force) promulgated under the Securities Act; (iii) respond as promptly as practicable, but in no event later than ten (10) Business Days, to any comments received from the Commission with respect to the Registration Statement or any amendment thereto and as promptly as practicable provide the Holders true and complete copies of all correspondence from and to the Commission relating to the Registration Statement; and (iv) comply in all material respects with the provisions of the Securities Act and the Exchange Act with respect to the disposition of all Registrable Securities covered by the Registration Statement during the applicable period in accordance with the intended methods of disposition by the Holders thereof set forth in the Registration Statement as so amended or in such Prospectus as so supplemented. The Company and the Purchasers agree that the Holders will suffer damages if the Company fails to comply with the provisions of subclause (iii) of this Section 3(b). The Company and the Holders further agree that it would not be feasible to ascertain the extent of such damages with precision. Accordingly, if the Company fails to comply with the time restrictions set forth in subclause (iii) of this Section 3(b), the Company shall pay an amount in cash as liquidated damages to each Holder equal to .025% for each day after the expiration of such ten (10) Business Day period of the Holder's initial investment in the Shares pursuant to the Purchase Agreement, until the event referred to in subclause (iii) of this Section 3(b) is cured.

(c) Notify the Holders of Registrable Securities to be sold and any Special Counsel as promptly as practicable (and, in the case of (i)(A) below, not less than five (5) days prior to such filing) and (if requested by any such Person) confirm such notice in writing no later than one (1) Business Day following the day (i)(A) when a Prospectus or any Prospectus supplement or post-effective amendment to the Registration Statement is filed; (B) when the Commission notifies the Company whether there will be a "review" of such Registration Statement and whenever the Commission comments in writing on such Registration Statement, and (C) with respect to the Registration Statement or any post-effective amendment, when the same has become effective; (ii) of any request by the Commission or any other Federal or state governmental authority for amendments or supplements to the Registration Statement or Prospectus or for additional information; (iii) of the issuance by the Commission of any stop order suspending the effectiveness of the Registration Statement covering any or all of the



Registrable Securities or the initiation of any Proceedings for that purpose; (iv) if at any time any of the representations and warranties of the Company contained in any agreement contemplated hereby ceases to be true and correct in all material respects; (v) of the receipt by the Company of any notification with respect to the suspension of the qualification or exemption from qualification of any of the Registrable Securities for sale in any jurisdiction, or the initiation or threatening of any Proceeding for such purpose; and (vi) of the occurrence of any event that makes any statement made in the Registration Statement or Prospectus or any document incorporated or deemed to be incorporated therein by reference untrue in any material respect or that requires any revisions to the Registration Statement, Prospectus or other documents so that, in the case of the Registration Statement or the Prospectus, as the case may be, it will not contain any untrue statement of a material fact or omit to state any material fact required to be stated therein or necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading.

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

(e) If requested by the Holders of a majority in interest of the Registrable Securities, (i) promptly incorporate in a Prospectus supplement or post-effective amendment to the Registration Statement such information as the Company reasonably agrees should be included therein and (ii) make all required filings of such Prospectus supplement or such post-effective amendment as soon as practicable after the Company has received notification of the matters to be incorporated in such Prospectus supplement or post-effective amendment.

(f) Furnish to each Holder and any Special Counsel, without charge, at least one conformed copy of each Registration Statement and each amendment thereto, including financial statements and schedules, all documents incorporated or deemed to be incorporated therein by reference, and all exhibits to the extent requested by such Person (including those previously furnished or incorporated by reference) promptly after the filing of such documents with the Commission.

(g) Promptly deliver to each Holder and any Special Counsel, without charge, as many copies of the Prospectus or Prospectuses (including each form of prospectus) and each amendment or supplement thereto as such Persons may reasonably request; and the Company hereby consents to the use of such Prospectus and each amendment or supplement thereto by each of the selling Holders in connection with the offering and sale of the Registrable Securities covered by such Prospectus and any amendment or supplement thereto in the manner described therein.

(h) Prior to any public offering of Registrable Securities, use its reasonable best efforts to register or qualify or cooperate with the selling Holders and any Special Counsel in connection with the registration or qualification (or exemption from such registration or qualification) of such Registrable Securities for offer and sale under the securities or Blue Sky laws of such jurisdictions within the United States as any Holder requests in writing, to keep

each such registration or qualification (or exemption therefrom) effective during the Effectiveness Period and to do any and all other acts or things necessary or advisable to enable the disposition in such jurisdictions of the Registrable Securities covered by a Registration Statement in the manner described therein; provided, however, that the Company shall not be required to qualify generally to do business in any jurisdiction where it is not then so qualified or to take any action that would subject it to general service of process in any such jurisdiction where it is not then so subject or subject the Company to any material tax in any such jurisdiction where it is not then so subject.

(i) Cooperate with the Holders to facilitate the timely preparation and delivery of certificates representing Registrable Securities to be sold pursuant to the Registration Statement, which certificates shall be free of all restrictive legends, and to enable such Registrable Securities to be in such denominations and registered in such names as any Holder may request in writing at least two (2) Business Days prior to any sale of Registrable Securities.

(j) Upon the occurrence of any event contemplated by Section 3(c)(vi), as promptly as practicable, prepare a supplement or amendment, including a post-effective amendment, to the Registration Statement or a supplement to the related Prospectus or any document incorporated or deemed to be incorporated therein by reference, and file any other required document so that, as thereafter delivered, neither the Registration Statement nor such Prospectus will contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading.

(k) Use its reasonable best efforts to cause all Registrable Securities relating to the Registration Statement to be listed on the Nasdaq SmallCap Market or any other securities exchange, quotation system or market, if any, on which similar securities issued by the Company are then listed as and when required pursuant to the Purchase Agreement.

(l) The Company may require each selling Holder to furnish to the Company information regarding such Holder and the distribution of such Registrable Securities as is required by law to be disclosed in the Registration Statement, and the Company may exclude from such registration the Registrable Securities of any such Holder who unreasonably fails to furnish such information within a reasonable time after receiving such request.

If the Registration Statement refers to any Holder by name or otherwise as the holder of any securities of the Company, then such Holder shall have the right to require (if such reference to such Holder by name or otherwise is not required by the Securities Act or any similar federal statute then in force) the deletion of the reference to such Holder in any amendment or supplement to the Registration Statement filed or prepared subsequent to the time that such reference ceases to be required.

Each Holder covenants and agrees that (i) it will not sell any Registrable Securities under the Registration Statement until it has received copies of the Prospectus as then amended or supplemented as contemplated in Section 3(g) and notice from the Company that such Registration Statement and any post-effective amendments thereto have become effective

as contemplated by Section 3(c) and (ii) it and its officers, directors or Affiliates, if any, will comply with the prospectus delivery requirements of the Securities Act as applicable to them in connection with sales of Registrable Securities pursuant to the Registration Statement.

Each Holder agrees by its acquisition of such Registrable Securities that, upon receipt of a notice from the Company of the occurrence of any event of the kind described in Section 3(c)(ii), 3(c)(iii), 3(c)(iv), 3(c)(v) or 3(c)(vi), such Holder will forthwith discontinue disposition of such Registrable Securities under the Registration Statement until such Holder's receipt of the copies of the supplemented Prospectus and/or amended Registration Statement contemplated by Section 3(j), or until it is advised in writing (the "Advice") by the Company that the use of the applicable Prospectus may be resumed, and, in either case, has received copies of any additional or supplemental filings that are incorporated or deemed to be incorporated by reference in such Prospectus or Registration Statement.

(m) If (i) there is material non-public information regarding the Company which the Company's Board of Directors (the "Board") reasonably determines not to be in the Company's best interest to disclose and which the Company is not otherwise required to disclose, or (ii) there is a significant business opportunity (including, but not limited to, the acquisition or disposition of assets (other than in the ordinary course of business) or any merger, consolidation, tender offer or other similar transaction) available to the Company which the Board reasonably determines not to be in the Company's best interest to disclose, then the Company may (x) postpone or suspend filing of a registration statement for a period not to exceed 30 consecutive days or (y) postpone or suspend effectiveness of a registration statement for a period not to exceed 20 consecutive days; provided that the Company may not postpone or suspend effectiveness of a registration statement under this Section 3(m) for more than 45 days in the aggregate during any 12 month period; provided, however, that no such postponement or suspension shall be permitted for consecutive 20 day periods arising out of the same set of facts, circumstances or transactions.

#### 4. Registration Expenses.

All fees and expenses incident to the performance of or compliance with this Agreement by the Company, except as and to the extent specified in this Section 4, shall be borne by the Company whether or not the Registration Statement is filed or becomes effective and whether or not any Registrable Securities are sold pursuant to the Registration Statement. The fees and expenses referred to in the foregoing sentence shall include, without limitation, (i) all registration and filing fees (including, without limitation, fees and expenses (A) with respect to filings required to be made with the Nasdaq SmallCap Market and each other securities exchange or market on which Registrable Securities are required hereunder to be listed, (B) with respect to filing fees required to be paid to the National Association of Securities Dealers, Inc. and the NASD Regulation, Inc. and (C) in compliance with state securities or Blue Sky laws (including, without limitation, fees and disbursements of counsel for the Holders in connection with Blue Sky qualifications of the Registrable Securities and determination of the eligibility of the Registrable Securities for investment under the laws of such jurisdictions as the Holders of a majority of Registrable Securities may designate)), (ii) printing expenses (including, without limitation, expenses of printing certificates for Registrable Securities and of printing

prospectuses if the printing of prospectuses is requested by the holders of a majority of the Registrable Securities included in the Registration Statement), (iii) messenger, telephone and delivery expenses, (iv) fees and disbursements of counsel for the Company and Special Counsel for the Holders, in the case of the Special Counsel, to a maximum amount of \$5,000, (v) Securities Act liability insurance, if the Company so desires such insurance, and (vi) fees and expenses of all other Persons retained by the Company in connection with the consummation of the transactions contemplated by this Agreement, including, without limitation, the Company's independent public accountants. In addition, the Company shall be responsible for all of its internal expenses incurred in connection with the consummation of the transactions contemplated by this Agreement (including, without limitation, all salaries and expenses of its officers and employees performing legal or accounting duties), the expense of any annual audit, the fees and expenses incurred in connection with the listing of the Registrable Securities on any securities exchange as required hereunder.

#### 5. Indemnification.

(a) Indemnification by the Company. The Company shall, notwithstanding any termination of this Agreement, indemnify and hold harmless each Holder, the officers, directors, agents, brokers (including brokers who offer and sell Registrable Securities as principal as a result of a pledge or any failure to perform under a margin call of Common Stock), investment advisors and employees of each of them, each Person who controls any such Holder (within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act) and the officers, directors, agents and employees of each such controlling Person, to the fullest extent permitted by applicable law, from and against any and all losses, claims, damages, liabilities, costs (including, without limitation, costs of preparation and attorneys' fees) and expenses (collectively, "Losses"), as incurred, arising out of or relating to any untrue or alleged untrue statement of a material fact contained in the Registration Statement, any Prospectus or any form of prospectus or in any amendment or supplement thereto, or arising out of or relating to any omission or alleged omission of a material fact required to be stated therein or necessary to make the statements therein (in the case of any Prospectus or form of prospectus or supplement thereto, in the light of the circumstances under which they were made) not misleading, except to the extent, but only to the extent, that (i) such untrue statements or omissions are based solely upon information regarding any Holder or any such other Indemnified Party furnished in writing to the Company by such Holder expressly for use therein and (ii) the foregoing indemnity agreement is subject to the condition that, insofar as it relates to any untrue statement, allegedly untrue statement, omission or alleged omission made in any preliminary prospectus but eliminated or remedied in the final prospectus (filed pursuant to Rule 424 under the Securities Act), such indemnity agreement shall not inure to the benefit of any Holder, underwriter, broker or other Person acting on behalf of holders of the Registrable Securities, from whom the Person asserting any loss, claim, damage, liability or expense purchased the Registrable Securities which are the subject thereof, if a copy of such final prospectus had been made available to such Person and such Holder, underwriter, broker or other Person acting on behalf of holders of the Registrable Securities and such final prospectus was not delivered to such Person with or prior to the written confirmation of the sale of such Registrable Securities to such Person. The Company shall notify the Holders promptly of the institution, threat or assertion of any Proceeding of which the Company is aware in connection with the transactions contemplated by this Agreement.

(b) Indemnification by Holders. Each Holder shall, severally and not jointly, indemnify and hold harmless the Company, its directors, officers, agents and employees, each Person who controls the Company (within the meaning of Section 15 of the Securities Act and Section 20 of the Exchange Act), and the directors, officers, agents and employees of such controlling Persons, to the fullest extent permitted by applicable law, from and against all Losses, as incurred, arising solely out of or based solely upon any untrue statement of a material fact contained in the Registration Statement, any Prospectus, or any form of prospectus, or arising solely out of or based solely upon any omission of a material fact required to be stated therein or necessary to make the statements therein (in the case of any Prospectus or form of prospectus or supplement thereto, in the light of the circumstances under which they were made) not misleading, to the extent, but only to the extent, that such untrue statement or omission is contained in any information so furnished in writing by such Holder or other Indemnifying Party to the Company specifically for inclusion in the Registration Statement or such Prospectus. Notwithstanding anything to the contrary contained herein, each Holder shall be liable under this Section 5(b) for only that amount as does not exceed the net proceeds to such Holder as a result of the sale of Registrable Securities pursuant to such Registration Statement.

(c) Conduct of Indemnification Proceedings. If any Proceeding shall be brought or asserted against any Person entitled to indemnity hereunder (an "Indemnified Party"), such Indemnified Party promptly shall notify the Person from whom indemnity is sought (the "Indemnifying Party") in writing, and the Indemnifying Party shall assume the defense thereof, including the employment of counsel reasonably satisfactory to the Indemnified Party and the payment of all fees and expenses incurred in connection with defense thereof; provided, that the failure of any Indemnified Party to give such notice shall not relieve the Indemnifying Party of its obligations or liabilities pursuant to this Agreement, except (and only) to the extent that it shall be finally determined by a court of competent jurisdiction (which determination is not subject to appeal or further review) that such failure shall have proximately and materially adversely prejudiced the Indemnifying Party.

An Indemnified Party shall have the right to employ separate counsel in any such Proceeding and to participate in the defense thereof, but the fees and expenses of such counsel shall be at the expense of such Indemnified Party or Parties unless: (1) the Indemnifying Party has agreed in writing to pay such fees and expenses; or (2) the Indemnifying Party shall have failed promptly to assume the defense of such Proceeding and to employ counsel reasonably satisfactory to such Indemnified Party in any such Proceeding; or (3) the named parties to any such Proceeding (including any impleaded parties) include both such Indemnified Party and the Indemnifying Party, and such Indemnified Party shall have been advised by counsel (which shall be reasonably acceptable to the Indemnifying Party) that a conflict of interest is likely to exist if the same counsel were to represent such Indemnified Party and the Indemnifying Party (in which case, if such Indemnified Party notifies the Indemnifying Party in writing that it elects to employ separate counsel at the expense of the Indemnifying Party, the Indemnifying Party shall not have the right to assume the defense thereof and such counsel shall be at the expense of the Indemnifying Party). The Indemnifying Party shall not be liable for any settlement of any such Proceeding effected without its written consent. No Indemnifying Party shall, without the prior written consent of the Indemnified Party, effect any settlement of any pending Proceeding in

respect of which any Indemnified Party is a party, unless such settlement includes an unconditional release of such Indemnified Party from all liability on claims that are the subject matter of such Proceeding.

All fees and expenses of the Indemnified Party (including reasonable fees and expenses to the extent incurred in connection with investigating or preparing to defend such Proceeding in a manner not inconsistent with this Section) shall be paid to the Indemnified Party, as incurred, within ten (10) Business Days of written notice thereof to the Indemnifying Party (regardless of whether it is ultimately determined that an Indemnified Party is not entitled to indemnification hereunder; provided, that the Indemnifying Party may require such Indemnified Party to undertake to reimburse all such fees and expenses to the extent it is finally judicially determined that such Indemnified Party is not entitled to indemnification hereunder).

(d) Contribution. If a claim for indemnification under Section 5(a) or 5(b) is unavailable to an Indemnified Party because of a failure or refusal of a governmental authority to enforce such indemnification in accordance with its terms (by reason of public policy or otherwise), then each Indemnifying Party, in lieu of indemnifying such Indemnified Party, shall contribute to the amount paid or payable by such Indemnified Party as a result of such Losses, in such proportion as is appropriate to reflect the relative benefits received by the Indemnifying Party on the one hand and the Indemnified Party on the other from the offering of the Shares and Warrants. If, but only if, the allocation provided by the foregoing sentence is not permitted by applicable law, the allocation of contribution shall be made in such proportion as is appropriate to reflect not only the relative benefits referred to in the foregoing sentence but also the relative fault, as applicable, of the Indemnifying Party and Indemnified Party in connection with the actions, statements or omissions that resulted in such Losses as well as any other relevant equitable considerations. The relative fault of such Indemnifying Party and Indemnified Party shall be determined by reference to, among other things, whether any action in question, including any untrue or alleged untrue statement of a material fact or omission or alleged omission of a material fact, has been taken or made by, or relates to information supplied by, such Indemnifying Party or Indemnified Party, and the parties' relative intent, knowledge, access to information and opportunity to correct or prevent such action, statement or omission. The amount paid or payable by a party as a result of any Losses shall be deemed to include, subject to the limitations set forth in Section 5(c), any reasonable attorneys' or other reasonable fees or expenses incurred by such party in connection with any Proceeding to the extent such party would have been indemnified for such fees or expenses if the indemnification provided for in this Section were available to such party in accordance with its terms.

The parties hereto agree that it would not be just and equitable if contribution pursuant to this Section 5(d) were determined by pro rata allocation or by any other method of allocation that does not take into account the equitable considerations referred to in the immediately preceding paragraph. No Person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the Securities Act) shall be entitled to contribution from any Person who was not guilty of such fraudulent misrepresentation.

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

anything to the contrary contained herein, the Holders shall be liable under this Section 5(d) for only that amount as does not exceed the net proceeds to such Holder as a result of the sale of Registrable Securities pursuant to such Registration Statement.

#### 6. Rule 144.

As long as any Holder owns any Shares, the Company covenants to timely file (or obtain extensions in respect thereof and file within the applicable grace period) all reports required to be filed by the Company after the date hereof pursuant to Section 13(a) or 15(d) of the Exchange Act and to promptly furnish or make available to the Holders with true and complete copies of all such filings. As long as any Holder owns any Shares, if the Company is not required to file reports pursuant to Section 13(a) or 15(d) of the Exchange Act, it will prepare and furnish to the Holders and make publicly available in accordance with Rule 144(c) promulgated under the Securities Act annual and quarterly financial statements, together with a discussion of such financial statements in form and substance substantially similar to those that would otherwise be required to be included in reports required by Section 13(a) or 15(d) of the Exchange Act, as well as any other information required thereby, in the time period that such filings would have been required to have been made under the Exchange Act. The Company further covenants that it will take such further action as any Holder may reasonably request, all to the extent required from time to time to enable such Person to sell the Shares without registration under the Securities Act within the limitation of the exemptions provided by Rule 144 promulgated under the Securities Act, including providing any legal opinions relating to such sale pursuant to Rule 144.

#### 7. Miscellaneous.

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

(b) No Inconsistent Agreements. Neither the Company nor any of its subsidiaries has, as of the date hereof entered into, nor shall the Company or any of its subsidiaries, on or after the date of this Agreement, enter into any agreement with respect to its securities that is inconsistent with the rights granted to the Holders in this Agreement or otherwise conflicts with the provisions hereof. Except as disclosed in Schedule 2.1(c) of the Purchase Agreement, neither the Company nor any of its subsidiaries has previously entered into any agreement currently in effect granting any registration rights with respect to any of its securities to any Person. Without limiting the generality of the foregoing, without the written consent of the Holders of a majority of the then outstanding Registrable Securities held by the Holders, the Company shall not grant to any Person the right to request the Company to register

any securities of the Company under the Securities Act unless the rights so granted are subject in all respects to the prior rights in full of the Holders set forth herein, and are not otherwise in conflict with the provisions of this Agreement.

(c) No Piggyback on Registrations. Neither the Company nor any of its security holders (other than the Holders in such capacity pursuant hereto or as disclosed on Schedule 2.1(c) of the Purchase Agreement) may include securities of the Company in the Registration Statement, and the Company shall not after the date hereof enter into any agreement providing such right to any of its securityholders, unless the right so granted is subject in all respects to the prior rights in full of the Holders set forth herein, and is not otherwise in conflict with the provisions of this Agreement.

(d) Amendments and Waivers. The provisions of this Agreement, including the provisions of this sentence, may not be amended, modified or supplemented, and waivers or consents to departures from the provisions hereof may not be given, unless the same shall be in writing and signed by the Company and the Holders of a majority of the Registrable Securities then outstanding and held by the Holders.

(e) Notices. Any notice, demand, request, waiver or other communication required or permitted to be given hereunder shall be in writing and shall be effective (a) upon hand delivery by telecopy or facsimile at the address or number designated below (if delivered on a business day during normal business hours where such notice is to be received), or the first business day following such delivery (if delivered other than on a business day during normal business hours where such notice is to be received) or (b) on the second business day following the date of mailing by express courier service, fully prepaid, addressed to such address, or upon actual receipt of such mailing, whichever shall first occur. The addresses for such communications shall be:

Delcath Systems, Inc.  
1100 Summer Street, 3rd Floor  
Stamford, Connecticut 06905  
Attention: President and Chief Executive Officer  
Tel. No.: (203) 323-8668  
Fax No.: (203) 961-0120

with copies (which copies shall not constitute notice to the Company) to:

Murtha Cullina LLP  
Whitney Grove Square  
Two Whitney Avenue  
New Haven, Connecticut 06503  
Attention: Paul G. Hughes  
Tel. No.: (203) 772-7700  
Fax No.: (203) 772-7723

If to any Holder:

At the address of such Holder set forth on Schedule I to this



Agreement.

with copies to:                   Jenkins & Gilchrist Parker Chapin LLP  
                                  The Chrysler Building  
                                  405 Lexington Ave.  
                                  New York, New York 10174  
                                  Attention: Christopher S. Auguste  
                                  Tel No.: (212) 704-6000  
                                  Fax No.: (212) 704-6288

Any party hereto may from time to time change its address for notices by giving written notice of such changed address to the other parties hereto.

(f) Successors and Assigns. This Agreement shall be binding upon and inure to the benefit of the parties and their successors and permitted assigns and shall inure to the benefit of each Holder and its successors and assigns. The Company may not assign this Agreement or any of its rights or obligations hereunder without the prior written consent of each Holder. Each Purchaser may assign its rights hereunder in the manner and to the Persons as permitted under the Purchase Agreement.

(g) Assignment of Registration Rights. The rights of each Holder hereunder, including the right to have the Company register for resale Registrable Securities in accordance with the terms of this Agreement, shall be automatically assignable by each Holder to any Affiliate of such Holder or any other Holder or Affiliate of any other Holder of all or a portion of the Registrable Securities so long as at least 25,000 Registrable Securities are being assigned by such Holder and (i) the Holder agrees in writing with the transferee or assignee to assign such rights, and a copy of such agreement is furnished to the Company within a reasonable time after such assignment, (ii) the Company is, within a reasonable time after such transfer or assignment, furnished with written notice of (a) the name and address of such transferee or assignee, and (b) the securities with respect to which such registration rights are being transferred or assigned, (iii) following such transfer or assignment the further disposition of such securities by the transferee or assignees is restricted under the Securities Act and applicable state securities laws, (iv) at or before the time the Company receives the written notice contemplated by clause (ii) of this Section, the transferee or assignee agrees in writing with the Company to be bound by all of the provisions of this Agreement, and (v) such transfer shall have been made in accordance with the applicable requirements of the Purchase Agreement. In addition, each Holder shall have the right to assign its rights hereunder to any other Person with the prior written consent of the Company, which consent shall not be unreasonably withheld. The rights to assignment shall apply to the Holders (and to subsequent) successors and assigns.

(h) Counterparts. This Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and, all of which taken together shall constitute one and the same Agreement. In the event that any signature is delivered by facsimile transmission, such signature shall create a valid binding obligation of the party executing (or on whose behalf such signature is executed) the same with the same force and effect as if such facsimile signature were the original thereof.

(i) Governing Law. This Agreement shall be governed by and construed in accordance with the internal laws of the State of New York, without giving effect to the choice of law provisions. This Agreement shall not be interpreted or construed with any presumption against the party causing this Agreement to be drafted.

(j) Cumulative Remedies. The remedies provided herein are cumulative and not exclusive of any remedies provided by law.

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

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

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IN WITNESS WHEREOF, the parties hereto have caused this Registration Rights Agreement to be duly executed by their respective authorized persons as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

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Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

DKR SOUND SHORE OASIS HOLDING FUND, LTD.

By: BARBARA BURGER

-----  
Name: Barbara Burger  
Title: Alternate Director

IN WITNESS WHEREOF, the parties hereto have caused this Registration Rights Agreement to be duly executed by their respective authorized persons as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

BRISTOL INVESTMENT FUND, LTD.

By: PAUL KESSLER

-----  
Name: Paul Kessler  
Title: Director

IN WITNESS WHEREOF, the parties hereto have caused this Registration Rights Agreement to be duly executed by their respective authorized persons as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

TRUK OPPORTUNITY FUND, LLC

By: ATOLL ASSET MANAGEMENT, LLC

By: MICHAEL E. FEIN

-----  
Name: Michael E. Fein  
Title: Principal

IN WITNESS WHEREOF, the parties hereto have caused this Registration Rights Agreement to be duly executed by their respective authorized persons as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

TRUK INTERNATIONAL FUND, LP

By: ATOLL ASSET MANAGEMENT, LLC

By: MICHAEL E. FEIN

-----  
Name: Paul Kessler  
Title: Director

IN WITNESS WHEREOF, the parties hereto have caused this Registration Rights Agreement to be duly executed by their respective authorized persons as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

AS CAPITAL PARTNERS, LLC

By: MICHAEL COUGHLIN

-----  
Name: Michael Coughlin  
Title: CFO

IN WITNESS WHEREOF, the parties hereto have caused this Registration Rights Agreement to be duly executed by their respective authorized persons as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

SRG CAPITAL, LLC

By: ANDREW J. TURCHIN

-----  
Name: Andrew J. Turchin  
Title: Chief Financial Officer



IN WITNESS WHEREOF, the parties hereto have caused this Registration Rights Agreement to be duly executed by their respective authorized persons as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

BASSO EQUITY OPPORTUNITY HOLDING FUND LTD

By: HOWARD J. FISCHER

-----  
Name: Howard J. Fischer  
Title: Authorized Signatory

IN WITNESS WHEREOF, the parties hereto have caused this Registration Rights Agreement to be duly executed by their respective authorized persons as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

BASSO MULTI-STRATEGY HOLDING FUND LTD

By: HOWARD J. FISCHER

-----  
Name: Howard J. Fischer  
Title: Authorized Signatory

IN WITNESS WHEREOF, the parties hereto have caused this Registration Rights Agreement to be duly executed by their respective authorized persons as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

ENABLE GROWTH PARTNERS LP

By: BRENDEN O'NEIL

-----  
Name: Brenden O'Neil  
Title: Principal

IN WITNESS WHEREOF, the parties hereto have caused this Registration Rights Agreement to be duly executed by their respective authorized persons as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

VERTICAL VENTURES, LLC

By: JOSH SILVERMAN

-----  
Name: Josh Silverman  
Title: Partner

IN WITNESS WHEREOF, the parties hereto have caused this Registration Rights Agreement to be duly executed by their respective authorized persons as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

IROQUOIS CAPITAL, LP

By: JOSH SILVERMAN

-----  
Name: Josh Silverman  
Title: Partner

IN WITNESS WHEREOF, the parties hereto have caused this Registration Rights Agreement to be duly executed by their respective authorized persons as of the date first above written.

DELCATH SYSTEMS, INC.

By: M. S. KOLY

-----  
Name: M.S. Koly  
Title: President and Chief Executive  
Officer

PURCHASER:

OTAPA INVESTMENTS LLC

By: RICHARD CAYNE

-----  
Name: Richard Cayne  
Title: General Counsel

## DELCATH COMPLETES \$2.8 MILLION PRIVATE PLACEMENT

STAMFORD, CT MAR 22 - Delcath Systems, Inc. (Nasdaq: DCTH) said it entered into a definitive agreement with institutional and accredited investors for the private placement of approximately \$2.8 million through the sale of approximately 1,162,000 shares of its common stock and the issuance of warrants to purchase approximately 290,000 shares at \$3.01 per share.

Delcath agreed to register the shares of common stock and the shares issuable upon exercise of the warrants under the Securities Act of 1933. H. C. Wainwright & Co., Inc. acted as placement agent for this transaction

Delcath is a developer of isolated perfusion technology for organ or region-specific delivery of therapeutic agents. Six US, and three foreign issued patents cover its technology. The company is headquartered in Stamford, CT.

# # #

This release contains "forward-looking statements" based on current expectations but involving known and unknown risks and uncertainties. Actual results or achievements may be materially different from those expressed or implied. Delcath plans and objectives are based on assumptions involving judgments with respect to future economic, competitive and market conditions, its ability to consummate, and the timing of, acquisitions and future business decisions, all of which are difficult or impossible to predict accurately and many of which are beyond its control. Therefore, there can be no assurance than any forward-looking statement will prove to be accurate.