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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, DC 20549

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**FORM 8-K**

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

**Date of Report (Date of earliest event reported)**  
April 27, 2017

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**SAVARA INC.**

(Exact name of registrant as specified in its charter)

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

**001-32157**  
(Commission  
File Number)

**84-1318182**  
(IRS Employer  
Identification No.)

**900 South Capital of Texas Highway, Las Cimas IV, Suite 150**  
**Austin, TX**  
(Address of principal executive offices, including zip code)

**(512) 614-1848**  
(Registrant's telephone number, including area code)

(Former name or former address, if changed since last report)

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

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

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

Emerging growth company

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

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

**Sixth Amendment to Hercules Loan Agreement**

On April 27, 2017, Savara Inc. (f/k/a Mast Therapeutics, Inc.), a Delaware corporation (the “Company”), entered into an amendment (the “Sixth Amendment”) to the Loan and Security Agreement, dated August 11, 2015, as amended by the First Amendment to Loan and Security Agreement dated as of September 28, 2015, the Second Amendment to Loan and Security Agreement effective as of December 31, 2015, the Third Amendment to Loan and Security Agreement effective as of February 25, 2016, the Fourth Amendment to Loan and Security Agreement effective as of July 22, 2016, and the Fifth Amendment to Loan and Security Agreement, dated as of March 3, 2017 (collectively, the “Hercules Loan Agreement”) with Hercules Technology III, L.P. and Hercules Capital, Inc. (formerly known as Hercules Technology Growth Capital, Inc.) (together, “Hercules”). The Sixth Amendment amended the Hercules Loan Agreement to permit certain investments in the Company’s subsidiary, Savara ApS.

The Sixth Amendment is filed herewith as Exhibit 10.1, and is incorporated herein by reference. The foregoing description of the Sixth Amendment does not purport to be complete and is qualified in its entirety by reference to such exhibits.

**Silicon Valley Bank Loan and Security Agreement**

On April 28, 2017, the Company and its subsidiary, Aravas Inc., a Delaware corporation (“Aravas”), entered into a Loan and Security Agreement (the “SVB Loan Agreement”) between the Company and Aravas, as co-borrowers, and Silicon Valley Bank, as lender (the “Lender”). The effectiveness of the SVB Loan Agreement is subject to customary closing conditions, including the payoff and termination of the Hercules Loan Agreement.

The SVB Loan Agreement provides for a \$15.0 million term loan facility. Loans may be advanced in two tranches of \$7.5 million each, subject to certain conditions. Loan proceeds may be used for general corporate purposes. The Company may prepay loans under the SVB Loan Agreement in whole or in part at any time, subject to a prepayment fee of 3.0% if prepaid within the first anniversary of the closing date, 2.0% if prepaid between the first and second anniversaries of the closing date, and 1.0% thereafter.

The loans bear interest at the prime rate reported in The Wall Street Journal, plus a spread of 4.25%. Interest is due and payable in arrears monthly. Principal, together with all accrued and unpaid interest, is due and payable on March 1, 2021 (the “Maturity Date”). The Company is also obligated to pay customary closing fees and a final payment of 6.0% of the aggregate principal amount of term loans advanced under the facility.

The obligations of the Company are secured by substantially all of the Company’s assets, excluding intellectual property and subject to certain other exceptions and limitations.

The SVB Loan Agreement contains customary affirmative and negative covenants, including among others, covenants limiting the ability of the Company and its subsidiaries to dispose of assets, permit a change in control, merge or consolidate, make acquisitions, incur indebtedness, grant liens, make investments, make certain restricted payments and enter into transactions with affiliates, in each case subject to certain exceptions.

Upon an event of default, the Lender may declare the outstanding obligations payable by the Company to be immediately due and payable, terminate the commitments and exercise other rights and remedies provided for under the SVB Loan Agreement. The events of default under the SVB Loan Agreement include, among others, payment defaults, covenant defaults, a material adverse change default, bankruptcy and insolvency defaults, cross-defaults to other material indebtedness, judgment defaults, and defaults related to inaccuracy of representations and warranties. Under certain circumstances, a default interest rate will apply on all obligations during the existence of an event of default under the SVB Loan Agreement at a per annum rate of interest equal to 5.0% above the applicable interest rate.

The Lender and its affiliates have engaged in, and may in the future engage in, banking and other commercial dealings in the ordinary course of business with the Company or the Company’s affiliates. They have received, or may in the future receive, customary fees and commissions for these transactions.

The foregoing description of the SVB Loan Agreement is qualified in its entirety by reference to the full text of the SVB Loan Agreement which the Company plans to file with its Form 10-Q for the period ended March 31, 2017.

**Silicon Valley Bank Warrant Agreement**

In connection with the SVB Loan Agreement, the Company will issue two Warrants to Purchase Shares of Common Stock of the Company (the “SVB Warrants”) to Silicon Valley Bank and its affiliate Life Science Loans II, LLC, pursuant to which Silicon Valley Bank and Life Science Loans II, LLC may each purchase up to 24,725 shares (the “Shares”) of the Company’s common stock, par value \$0.001 per share (the “Common Stock”), subject to adjustment in accordance with the terms of the Warrant, for a per Share exercise price of \$9.10.

The foregoing description of the SVB Warrants is qualified in its entirety by reference to the full text of the SVB Warrants which the Company plans to file with its Form 10-Q for the period ended March 31, 2017.

## Common Stock Sales Agreement

On April 28, 2017, the Company entered into a Common Stock Sales Agreement (the “Sales Agreement”) with H.C. Wainwright & Co., LLC, as sales agent (“Wainwright”), pursuant to which the Company may offer and sell, from time to time, through Wainwright, shares of the Company’s common stock, par value \$0.001 per share (the “Shares”), having an aggregate offering price of not more than \$18.0 million (the “ATM Offering”). The shares will be offered and sold pursuant to the Company’s shelf registration statement on Form S-3 (File No. 333-202960).

Subject to the terms and conditions of the Sales Agreement, Wainwright will use its commercially reasonable efforts to sell the Shares from time to time, based upon the Company’s instructions. The Company has provided Wainwright with customary indemnification rights, and Wainwright will be entitled to a commission at a fixed commission rate equal to 3.0% of the gross proceeds per Share sold.

Sales of the Shares, if any, under the Sales Agreement may be made in transactions that are deemed to be “at the market offerings” as defined in Rule 415 under the Securities Act of 1933, as amended. The Company has no obligation to sell any of the Shares, and may at any time suspend sales under the Sales Agreement or terminate the Sales Agreement.

The foregoing description of the Sales Agreement does not purport to be complete and is qualified in its entirety by reference to the Sales Agreement, a copy of which is filed as Exhibit 10.2 to this Current Report on Form 8-K and incorporated herein by reference.

This Current Report on Form 8-K shall not constitute an offer to sell or the solicitation of an offer to buy the Shares, nor shall there be any offer, solicitation or sale of the Shares in any state or country in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such state or country.

### Item 1.02. Termination of Material Definitive Agreement.

On April 27, 2017, the Company delivered written notice to Cowen and Company, LLC that it was terminating its Sales Agreement, dated August 21, 2015 (the “Cowen Sales Agreement”), pursuant to Section 11(b) of the Sales Agreement. A copy of the Cowen Sales Agreement was filed as Exhibit 10.1 to the Company’s Current Report on Form 8-K filed with the SEC on August 21, 2015.

### Item 2.03. Creation of a Direct Financial Obligation or an Obligation under an Off-Balance Sheet Arrangement of a Registrant.

The information set forth under Item 1.01, “Entry into a Material Definitive Agreement,” under the caption “Loan and Security Agreement,” is incorporated herein by reference.

### Item 8.01. Other Events.

The CUSIP number for the Company’s common stock changed from 80511Q 106 to 805111101.

### Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

| <u>Exhibit No.</u> | <u>Description</u>  |
|--------------------|---|
| 10.1               | Sixth Amendment to Loan and Security Agreement, dated April 27, 2017, between Mast Therapeutics, Inc., Hercules Technology III, L.P. and Hercules Capital, Inc. |
| 10.2               | Common Stock Sales Agreement, dated April 28, 2017, between Savara Inc. and H.C. Wainwright & Co., LLC  |

**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.

**SAVARA INC.**

By: /s/ Dave Lowrance  
Dave Lowrance  
Chief Financial Officer

Date: April 28, 2017

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**EXHIBIT INDEX**

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## SIXTH AMENDMENT TO LOAN AND SECURITY AGREEMENT

THIS SIXTH AMENDMENT (this "Amendment"), dated as of April 27, 2017 and effective as of the Effective Time of the Merger (each as defined below), to the Loan and Security Agreement, dated as of August 11, 2015 (as amended by the Prior Amendments (as defined below), the "Loan Agreement"), is made by and among MAST THERAPEUTICS, INC., a Delaware corporation, which following the Merger (as defined below) will be renamed "*Savara, Inc.*" ("Borrower"), HERCULES CAPITAL, INC. (formerly known as Hercules Technology Growth Capital, Inc.), a Maryland corporation, as administrative agent ("Agent"), and the lender party hereto ("Lender").

### RECITALS

A. Borrower, Agent and Lender are parties to the Loan Agreement as previously amended by First Amendment to Loan and Security Agreement dated as of September 28, 2015, Second Amendment to Loan and Security Agreement effective as of December 31, 2015, Third Amendment to Loan and Security Agreement effective as of February 25, 2016, Fourth Amendment to Loan and Security Agreement effective as of July 22, 2016, and Fifth Amendment to Loan and Security Agreement dated as of March 3, 2017 and effective as of the Effective Time of the Merger (the "Fifth Amendment" and together with the other foregoing, collectively, the "Prior Amendments").

B. Borrower is party to that certain Agreement and Plan of Merger and Reorganization, dated January 6, 2017, among Borrower, Victoria Merger Corp., a Delaware corporation (the "Merger Sub"), and Savara Inc., a Delaware corporation (the "Surviving Corporation"), pursuant to which, among other things, the Merger Sub will be merged with and into the Surviving Corporation, with the Surviving Corporation remaining as the surviving entity and a wholly-owned subsidiary of Borrower (and which will be renamed "*Aravas Inc.*"), and the Surviving Corporation's stockholders will receive shares of Borrower's common stock in exchange for capital stock held in the Surviving Corporation (the "Merger Agreement" and such transactions, the "Merger").

C. Subject to the conditions set forth herein, the parties hereto wish to further amend the Loan Agreement as set forth herein to permit certain investments in a wholly-owned subsidiary of the Surviving Corporation, Savara ApS.

D. The Loan Agreement may be amended pursuant to Section 11.3(b) thereof by the written agreement of Borrower, Agent and Lender (which, for the avoidance of doubt, is the Required Lender).

### AGREEMENT

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

**SECTION 1. Effectiveness.** Subject to all of the terms and conditions set forth in this Amendment, this Amendment shall become effective immediately at the Effective Time (as defined in the Merger Agreement); provided, however, this Amendment shall terminate in all

respects if (a) the Merger Agreement is terminated prior to the Effective Time, (b) the Merger Agreement is amended, or any material obligation thereunder is waived, in a manner that adversely affects the agreements and understandings set forth in this Amendment or the Loan Agreement or (c) the Merger is not consummated on or prior to April 30, 2017.

**SECTION 2. Defined Terms.** Capitalized terms used but not defined herein (including in the recitals) shall have the meanings assigned to such terms in the Loan Agreement and the Prior Amendments.

**SECTION 3. Amendments to Loan Agreement.** Subject to all of the terms and conditions set forth in this Amendment, Borrower, Agent and Lender hereby agree to the following amendments to the Loan Agreement.

(A) The definition of “*Permitted Investment*” is hereby amended and restated in its entirety to read as follows:

““Permitted Investment” means: (i) Investments existing on the Closing Date which are disclosed in Schedule 1B; (ii) (a) marketable direct obligations issued or unconditionally guaranteed by the United States of America or any agency or any State thereof maturing within eighteen months from the date of acquisition thereof, (b) commercial paper maturing no more than eighteen months from the date of creation thereof and currently having a rating of at least A-2 or P-2 from either Standard & Poor’s Corporation or Moody’s Investors Service, (c) certificates of deposit issued by any bank with assets of at least \$500,000,000 maturing no more than eighteen months from the date of investment therein, and (d) money market accounts; (iii) repurchases of stock from former employees, directors, or consultants of Borrower under the terms of applicable repurchase agreements at the original issuance price of such securities in an aggregate amount not to exceed \$250,000 in any fiscal year, provided that no Event of Default has occurred, is continuing or would exist after giving effect to the repurchases; (iv) Investments accepted in connection with Permitted Transfers; (v) Investments (including debt obligations) received in connection with the bankruptcy or reorganization of customers or suppliers and in settlement of delinquent obligations of, and other disputes with, customers or suppliers arising in the ordinary course of Borrower’s business; (vi) Investments consisting of notes receivable of, or prepaid royalties and other credit extensions, to customers and suppliers who are not Affiliates, in the ordinary course of business, provided that this subparagraph (vi) shall not apply to Investments of Borrower in any Subsidiary; (vii) Investments consisting of loans not involving the net transfer on a substantially contemporaneous basis of cash proceeds to employees, officers or directors relating to the purchase of capital stock of Borrower pursuant to employee stock purchase plans or other similar agreements approved by Borrower’s Board of Directors; (viii) Investments consisting of travel advances, relocation loans and other loans and advances (or guarantees thereof) to employees, officers and directors in the ordinary course of business and otherwise in compliance with the Sarbanes-Oxley Act of 2002, as amended, and not to exceed \$250,000 outstanding at any one time in the aggregate; (ix) Investments in a Qualified Subsidiary so long as such Qualified Subsidiary has

entered into a Joinder Agreement or has otherwise become party to this Agreement; (x) Investments in Savara ApS (“Savara Denmark”) to the extent necessary to fund the operating expenses of Savara Denmark in the ordinary course of its business, provided that (A) Borrower shall not invest more than \$13,000,000 in Savara Denmark during any 12-month period, (B) at no time shall the aggregate amount of cash held in all accounts of Savara Denmark exceed \$2,000,000, (C) Savara Denmark shall not have issued any secured Indebtedness, and (D) gross unsecured liabilities of Savara Denmark owed to parties other than Borrower or its Affiliates shall not exceed \$5,000,000 in the aggregate at any given time; (xi) other than as provided in clause (x) of this definition, Investments in Foreign Subsidiaries approved in advance in writing by Agent; (xii) Investments by any Qualified Subsidiary into Borrower; (xiii) joint ventures or strategic alliances in the ordinary course of Borrower’s business consisting of the nonexclusive licensing of technology, the development of technology or the providing of technical support, provided that any cash Investments by Borrower do not exceed \$250,000 in the aggregate in any fiscal year; and (xiv) additional Investments that do not exceed \$250,000 in the aggregate.”

(B) The definition of “Permitted Transfers” is hereby amended and restated in its entirety to read as follows:

““Permitted Transfers” means (i) sales of Inventory in the ordinary course of business; (ii) non-exclusive licenses and similar arrangements for the use of Intellectual Property in the ordinary course of business and licenses that could not result in a legal transfer of title of the licensed property but that may be exclusive in respects other than territory and that may be exclusive as to territory only as to discreet geographical areas outside of the United States in the ordinary course of business; (iii) dispositions of worn-out, obsolete or surplus Equipment at fair market value in the ordinary course of business; (iv) transfers of cash to Savara Denmark permitted pursuant to clause (x) of the definition of Permitted Investment; and (v) other Transfers of assets having a fair market value of not more than \$250,000 in the aggregate in any fiscal year.”

(C) Section 5.12 of the Loan Agreement is hereby amended and restated in its entirety to read as follows:

“5.12 Financial Accounts, Exhibit G, as it may be updated by Borrower from time to time in a written notice provided to Agent, is a true, correct and complete list of (a) all banks and other financial institutions at which Borrower or any direct or indirect Subsidiary maintains Deposit Accounts or other accounts and (b) all institutions at which Borrower or any direct or indirect Subsidiary maintains an account holding Investment Property, and Exhibit G correctly identifies the name, address and telephone number of each bank or other institution, the name in which the account is held, a description of the purpose of the account, and the complete account number therefor.”



(D) A new Section 5.15 is added to Section 5 of the Loan Agreement to read as follows:

“5.15 Foreign Subsidiary Voting Rights. No decision or action in any governing document of any direct or indirect Foreign Subsidiary (other than an Eligible Foreign Subsidiary) requires a vote of greater than 50.1% of the equity interests or voting rights of such Foreign Subsidiary.”

(E) Section 7.12 of the Loan Agreement is hereby amended and restated in its entirety to read as follows:

“7.12 Deposit Accounts. Neither Borrower nor any Subsidiary shall maintain any Deposit Accounts, or accounts holding Investment Property, except with respect to which Agent has an Account Control Agreement; provided, however, an aggregate amount of cash not to exceed \$2,000,000 (calculated at current exchange rates and determined on a US Dollar equivalent basis) may be held in Deposit Accounts of Savara Denmark at any time.”

(F) A new Section 7.18 is added to Section 7 of the Loan Agreement to read as follows:

“7.18 Foreign Subsidiary Voting Rights. Borrower shall not, and shall not permit any Subsidiary, to amend or modify any governing document of any direct or indirect Foreign Subsidiary (other than an Eligible Foreign Subsidiary) the effect of which is to require a vote of greater than 50.1% of the equity interests or voting rights of such entity for any decision or action of such entity.”

(G) *Exhibit G* hereto is attached to the Loan Agreement as *Exhibit G* to the Loan Agreement for all purposes thereunder.

**SECTION 4. Conditions to this Amendment; Other Agreements.**

(A) This Amendment shall become effective only if Borrower has satisfied the conditions set forth in Section 5 of the Fifth Amendment as of the Effective Time.

(B) Borrower hereby agrees to use its commercially reasonable efforts to deliver or cause to be delivered, on or before the date that is 30 days following the effective date of this Amendment, a duly executed landlord consent and waiver agreement (or similar agreement) among Agent, Savara Inc. (to be renamed “*Aravas Inc.*” following the Merger) and Gateway Las Cimas, LLC.

**SECTION 5. Effect on Loan Documents.** Except as specifically amended herein and the Prior Amendments (as well as any prior amendments to the Warrant as agreed to in writing between Lender and Borrower), all Loan Documents shall continue to be in full force and effect and are ratified and confirmed in all respects. The execution, delivery and effectiveness of this Amendment shall not operate as a waiver of any right, power or remedy of any Lender or Agent under any of the Loan Documents, and it shall not constitute a waiver of any provision of the Loan Documents. Any reference to the Loan Agreement in any other Loan Document shall be a

reference to the Loan Agreement as amended by this Amendment and the Prior Amendments. For the avoidance of doubt, all references in the Loan Agreement to “Mast Therapeutics, Inc.” will mean “Savara Inc.” following the Merger, and, following the Merger, Savara Inc. and Aravas Inc. will each be Borrowers for all purposes under the Loan Agreement.

**SECTION 6. Representations and Warranties.** Borrower represents and warrants to Agent and Lender as follows:

(A) Borrower’s execution, delivery and performance of this Amendment (i) has been duly authorized by all necessary corporate action of Borrower, (ii) will not result in the creation or imposition of any Lien upon the Collateral or the Intellectual Property, other than Permitted Liens and the Liens created by the Loan Documents, (iii) does not violate any provisions of Borrower’s Certificate of Incorporation, bylaws, or any law, regulation, order, injunction, judgment, decree or writ to which Borrower is subject, and (iv) except as described on Schedule 5.3 to the Loan Agreement, does not violate any contract or agreement or require the consent or approval of any other Person which has not already been obtained. The individual or individuals executing this Amendment are duly authorized to do so.

(B) This Amendment has been duly executed and delivered on Borrower’s behalf by a duly authorized officer thereof, and constitutes a legal, valid and binding obligation of Borrower, enforceable in accordance with its terms, subject to bankruptcy, reorganization, insolvency, moratorium and other similar laws affecting the enforcement of creditors’ rights generally and the exercise of judicial discretion in accordance with general principles of equity.

**SECTION 7. Governing Law.** This Amendment shall be governed by, and construed in accordance with, the law of the State of California.

**SECTION 8. Counterparts.** This Amendment may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. Delivery by facsimile, .pdf or other electronic imaging means of an executed counterpart of a signature page to this Amendment shall be effective as delivery of an original executed counterpart of this Amendment. Agent may also require that any such documents and signatures delivered by facsimile, .pdf or other electronic imaging means be confirmed by a manually signed original thereof; provided that the failure to request or deliver the same shall not limit the effectiveness of any document or signature delivered by facsimile, .pdf or other electronic imaging means.

*[Remainder of page intentionally blank]*

IN WITNESS WHEREOF, the parties hereto have caused this Amendment to be duly executed and delivered by their respective proper and duly authorized officers as of the day and year first above written.

**BORROWER:**

MAST THERAPEUTICS, INC.

By: /s/ Brandi Roberts  
Name: Brandi Roberts  
Title: Chief Financial Officer

**AGENT:**

HERCULES CAPITAL, INC.

By: /s/ Jennifer Choe  
Name: Jennifer Choe  
Title: Assistant General Counsel

**LENDER:**

HERCULES TECHNOLOGY III, L.P.

By: Hercules Technology SBIC Management, LLC, its  
General Partner

By: Hercules Capital, Inc., its Manager

By: /s/ Jennifer Choe  
Name: Jennifer Choe  
Title: Assistant General Counsel

[Signature Page to Sixth Amendment to Loan and Security Agreement]

SAVARA INC.

COMMON STOCKSALES AGREEMENT

April 28, 2017

H.C. Wainwright & Co. LLC  
430 Park Avenue  
New York, NY 10022

Ladies and Gentlemen:

Savara Inc. (the "**Company**"), confirms its agreement (this "**Agreement**") with H.C. Wainwright & Co. LLC ("**HCW**"), as follows:

1. **Issuance and Sale of Placement Shares.** The Company agrees that, from time to time during the term of this Agreement, on the terms and subject to the conditions set forth herein, it may issue and sell through HCW, shares (the "**Placement Shares**") of the Company's common stock, \$0.001 par value per share (the "**Common Stock**"); *provided however*, that in no event shall the Company issue or sell through HCW such number of Placement Shares that (a) exceeds the number of shares or dollar amount of Common Stock registered on the effective Registration Statement (as defined below) pursuant to which the offering is being made, (b) exceeds the number of shares or dollar amount registered on the Prospectus Supplement (as defined below), or (c) would cause the Company to exceed the share amount limitations set forth in General Instruction I.B.6 of Form S-3 (the lesser of (a), (b) or (c), the "**Maximum Amount**"). Notwithstanding anything to the contrary contained herein, the parties hereto agree that compliance with the limitations set forth in this **Section 1** on the number of Placement Shares issued and sold under this Agreement shall be the sole responsibility of the Company and that HCW shall have no obligation in connection with such compliance. The issuance and sale of Placement Shares through HCW will be effected pursuant to the Registration Statement (as defined below), although nothing in this Agreement shall be construed as requiring the Company to use the Registration Statement to issue any Placement Shares.

The Company has filed, in accordance with the provisions of the Securities Act of 1933, as amended, and the rules and regulations thereunder, also as amended (the "**Securities Act**"), with the Securities and Exchange Commission (the "**Commission**"), a registration statement on Form S-3 (File No. 333-202960), including a base prospectus (the "**Base Prospectus**"), relating to certain securities, including the Placement Shares to be issued from time to time by the Company, and which incorporates by reference documents that the Company has filed or will file in accordance with the provisions of the Securities Exchange Act of 1934, as amended, and the rules and regulations thereunder, also as amended (the "**Exchange Act**"). The Company has prepared a prospectus supplement to the Base Prospectus included as part of such registration statement specifically relating to the Placement Shares (the "**Prospectus Supplement**"). The Company will furnish to HCW, for use by HCW solely in connection with the Placements (as

defined below) to be conducted in accordance with this Agreement, copies of the Base Prospectus included as part of such registration statement, as supplemented by the Prospectus Supplement, relating to the Placement Shares. Except where the context otherwise requires, such registration statement, including all documents filed as part thereof or incorporated by reference therein, and including any information contained in a Prospectus (as defined below) subsequently filed with the Commission pursuant to Rule 424(b) under the Securities Act or deemed to be a part of such registration statement pursuant to Rule 430B of the Securities Act, is herein called the “**Registration Statement**.” The Base Prospectus, including all documents incorporated or deemed incorporated therein by reference to the extent such information has not been superseded or modified in accordance with Rule 412 under the Securities Act (as qualified by Rule 430B(g) of the Securities Act), included in the Registration Statement, as it may be supplemented by the Prospectus Supplement, in the form in which such Base Prospectus and/or Prospectus Supplement have most recently been filed by the Company with the Commission pursuant to Rule 424(b) under the Securities Act, is herein called the “**Prospectus**.” Any reference herein to the Registration Statement, the Prospectus or any amendment or supplement thereto shall be deemed to refer to and include any documents deemed incorporated by reference therein (pursuant to the Securities Act or the Exchange Act) (the “**Incorporated Documents**”), and any reference herein to the terms “amend,” “amendment” or “supplement” with respect to the Registration Statement or the Prospectus shall be deemed to refer to and include the filing after the execution hereof of any document with the Commission incorporated by reference therein.

For purposes of this Agreement, all references to the Registration Statement, the Prospectus or to any amendment or supplement thereto shall be deemed to include the most recent copy filed with the Commission pursuant to its Electronic Data Gathering Analysis and Retrieval System, or if applicable, the Interactive Data Electronic Application system when used by the Commission (collectively, “**EDGAR**”).

2. **Placements.** Each time that the Company wishes to issue and sell Placement Shares hereunder (each, a “**Placement**”), it will notify HCW by email notice (or other method mutually agreed to in writing by the parties) (a “**Placement Notice**”) containing the parameters in accordance with which it desires the Placement Shares to be sold, which shall at a minimum include the number of Placement Shares to be issued, the time period during which sales are requested to be made, any limitation on the number of Placement Shares that may be sold in any one Trading Day (as defined in **Section 3**) and any minimum price below which sales may not be made, a form of which containing such minimum sales parameters necessary is attached hereto as **Schedule 1**. The Placement Notice shall originate from any of the individuals from the Company set forth on **Schedule 2** (with a copy to each of the other individuals from the Company listed on such schedule), and shall be addressed to each of the individuals from HCW set forth on **Schedule 2**, as such **Schedule 2** may be amended from time to time. The Placement Notice shall be effective upon receipt by HCW unless and until (i) in accordance with the notice requirements set forth in **Section 4**, HCW declines to accept the terms contained therein for any reason, in its sole discretion, (ii) the entire amount of the Placement Shares included in the Placement Notice have been sold thereunder, (iii) in accordance with the notice requirements set forth in **Section 4**, the Company suspends or terminates the Placement Notice, (iv) the Company issues a subsequent Placement Notice with parameters superseding those on the earlier dated

Placement Notice, or (v) this Agreement has been terminated under the provisions of Section 11. The amount of any discount or commission to be paid by the Company to HCW in connection with the sale of the Placement Shares shall be calculated in accordance with the terms set forth in Schedule 3. It is expressly acknowledged and agreed that neither the Company nor HCW will have any obligation whatsoever with respect to a Placement or any Placement Shares unless and until the Company delivers a Placement Notice to HCW and HCW does not decline such Placement Notice pursuant to the terms set forth above, and then only upon the terms specified therein and herein. In the event of a conflict between the terms of this Agreement and the terms of a Placement Notice, the terms of the Placement Notice will control.

3. Sale of Placement Shares by HCW.

(a) Subject to the terms and conditions herein set forth, upon the Company's delivery of a Placement Notice, and unless the sale of the Placement Shares described therein has been declined, suspended, or otherwise terminated in accordance with the terms of this Agreement, HCW, for the period specified in the Placement Notice, will use its commercially reasonable efforts consistent with its normal trading and sales practices and applicable state and federal laws, rules and regulations and the rules of the NASDAQ Capital Market ("Exchange") to sell such Placement Shares up to the amount specified, and otherwise in accordance with the terms of such Placement Notice. HCW will provide written confirmation to the Company (including by email correspondence to each of the individuals of the Company set forth on Schedule 2, if receipt of such correspondence is actually acknowledged by any of the individuals to whom the notice is sent, other than via auto-reply) no later than the opening of the Trading Day (as defined below) immediately following the Trading Day on which it has made sales of Placement Shares hereunder setting forth the number of Placement Shares sold on such day, the compensation payable by the Company to HCW pursuant to Section 2 with respect to such sales and the Net Proceeds (as defined below) payable to the Company. HCW may sell Placement Shares by any method permitted by law deemed to be an "at the market" offering as defined in Rule 415 of the Securities Act, including without limitation sales made through Exchange, on any other existing trading market for the Common Stock or to or through a market maker. If expressly authorized by the Company in a Placement Notice, HCW may also sell Placement Shares in negotiated transactions. Notwithstanding the provisions of Section 6(kk), HCW shall not purchase Placement Shares for its own account as principal unless expressly authorized to do so by the Company in a Placement Notice. The Company acknowledges and agrees that (i) there can be no assurance that HCW will be successful in selling Placement Shares, and (ii) HCW will incur no liability or obligation to the Company or any other person or entity if it does not sell Placement Shares for any reason other than a failure by HCW to use its commercially reasonable efforts consistent with its normal trading and sales practices to sell such Placement Shares as required under this Section 3. For the purposes hereof, "Trading Day," means any day on which the Company's Common Stock is purchased and sold on the principal market on which the Common Stock is listed or quoted.

(b) Limitations on Offering Size. Under no circumstances shall the Company cause or request the offer or sale of any Placement Shares if, after giving effect to the sale of such Placement Shares, the aggregate number of Placement Shares sold pursuant to this Agreement would exceed the lesser of (A) together with all sales of Placement Shares under

this Agreement, the Maximum Amount, and (B) the amount authorized from time to time to be issued and sold under this Agreement by the Company's board of directors, a duly authorized committee thereof or a duly authorized executive committee, and notified to HCW in writing. Under no circumstances shall the Company cause or request the offer or sale of any Placement Shares pursuant to this Agreement at a price lower than the minimum price authorized from time to time by the Company's board of directors, a duly authorized committee thereof or a duly authorized executive committee, and notified to HCW in writing. Further, under no circumstances shall the Company cause or permit the aggregate offering amount of Placement Shares sold pursuant to this Agreement to exceed the Maximum Amount.

4. Suspension of Sales.

(a) The Company or HCW may, upon notice to the other party in writing (including by email correspondence to each of the individuals of the other party set forth on Schedule 2, if receipt of such correspondence is actually acknowledged by any of the individuals to whom the notice is sent, other than via auto-reply) or by telephone (confirmed immediately by verifiable facsimile transmission or email correspondence to each of the individuals of the other party set forth on Schedule 2), suspend any sale of Placement Shares; *provided, however*, that such suspension shall not affect or impair either party's obligations with respect to any Placement Shares sold hereunder prior to the receipt of such notice. Each of the parties agrees that no such notice under this Section 4 shall be effective against the other unless it is made to one of the individuals named on Schedule 2 hereto, as such schedule may be amended from time to time.

(b) Notwithstanding any other provision of this Agreement, during any period in which the Company is in possession of material non-public information, the Company and HCW agree that (i) no sale of Placement Shares will take place, (ii) the Company shall not request the sale of any Placement Shares, and (iii) HCW shall not be obligated to sell or offer to sell any Placement Shares.

5. Settlement.

(a) Settlement of Placement Shares. Unless otherwise specified in the applicable Placement Notice, settlement for sales of Placement Shares will occur on the third (3<sup>rd</sup>) Trading Day (or such earlier day as is industry practice for regular-way trading) following the date on which such sales are made (each, a "Settlement Date" and the first such settlement date, the "First Delivery Date"). The amount of proceeds to be delivered to the Company on a Settlement Date against receipt of the Placement Shares sold (the "Net Proceeds") will be equal to the aggregate sales price received by HCW at which such Placement Shares were sold, after deduction for (i) HCW's commission or discount for such sales payable by the Company pursuant to Section 2 hereof, (ii) any other amounts due and payable by the Company to HCW hereunder pursuant to Section 7(g) (Expenses) hereof, and (iii) any transaction fees imposed by any governmental or self-regulatory organization in respect of such sales.

(b) Delivery of Placement Shares. On or before each Settlement Date, the Company will, or will cause its transfer agent to, electronically transfer the Placement Shares being sold by crediting HCW's or its designee's account (provided HCW shall have given the Company written notice of such designee at least one Trading Day prior to the Settlement Date) at The

Depository Trust Company through its Deposit and Withdrawal at Custodian System (“**DWAC**”) or by such other means of delivery as may be mutually agreed upon by the parties hereto which in all cases shall be freely tradable, transferable, registered shares in good deliverable form. On each Settlement Date, HCW will deliver the related Net Proceeds in same day funds to an account designated by the Company on, or prior to, the Settlement Date. The Company agrees that if the Company, or its transfer agent (if applicable), defaults in its obligation to deliver duly authorized Placement Shares on a Settlement Date, in addition to and in no way limiting the rights and obligations set forth in Section 9(a) (Indemnification and Contribution) hereto, it will (i) hold HCW harmless against any loss, claim, damage, or reasonable, documented expense (including reasonable and documented legal fees and expenses), as incurred, arising out of or in connection with such default by the Company and (ii) pay to HCW any commission or discount to which it would otherwise have been entitled absent such default.

6. **Representations and Warranties of the Company.** The Company represents and warrants to, and agrees with HCW that as of (i) each Representation Date (as defined below) and (ii) at the time of each sale of any Placement Shares pursuant to this Agreement ((i) and (ii), collectively, the “**Applicable Time**”), unless such representation, warranty or agreement specifies a different date or time:

(a) **Compliance with Registration Requirements.** The Registration Statement has been declared effective by the Commission under the Securities Act. The Company has complied with all requests, if any, of the Commission for additional or supplemental information related to the Registration Statement or the Prospectus. No stop order suspending the effectiveness of the Registration Statement or any Rule 462(b) Registration Statement is in effect and no proceedings for such purpose have been instituted or are pending or, to the knowledge of the Company, threatened by the Commission.

(b) **No Misstatement or Omission.** The Prospectus when filed complied and, as amended or supplemented, if applicable, will comply in all material respects with the Securities Act. Each of the Registration Statement, any Rule 462(b) Registration Statement, the Prospectus and any post-effective amendments or supplements thereto, at the time it became effective or its date, as applicable, and as of each Applicable Time, if any, complied in all material respects with the Securities Act and, as of each Settlement Date, if any, did not and will not contain any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading. The Prospectus, as amended or supplemented, as of its date and as of each Settlement Date, if any, will not contain any untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading. The representations and warranties set forth in the two immediately preceding sentences do not apply to statements in or omissions from the Registration Statement, any Rule 462(b) Registration Statement, or any post-effective amendment thereto, or the Prospectus, or any amendments or supplements thereto, made in reliance upon and in conformity with information relating to HCW furnished to the Company in writing by HCW expressly for use therein. There are no material contracts or other documents required to be described in the Prospectus or to be filed as exhibits to the Registration Statement which have not been described or filed as required.



(c) Not an Ineligible Issuer. The Company currently is not an “ineligible issuer,” as defined in Rule 405 of the rules and regulation of the Commission. The Company agrees to notify HCW promptly upon the Company becoming an “ineligible issuer.”

(d) Distribution of Offering Material By the Company. The Company has not distributed and will not distribute, prior to the completion of HCW’s distribution of the Placement Shares, any offering material in connection with the offering and sale of the Placement Shares other than the Prospectus or the Registration Statement, and any free writing prospectus to which HCW has consented (such consent not be unreasonably withheld, conditioned or delayed).

(e) The Sales Agreement. This Agreement has been duly authorized, executed and delivered by the Company.

(f) S-3 Eligibility. (i) At the time of filing the Registration Statement and (ii) at the time of the most recent amendment thereto for the purposes of complying with Section 10(a)(3) of the Securities Act (whether such amendment was by post-effective amendment, incorporated report filed pursuant to Section 13 or 15(d) of the Exchange Act or form of prospectus), the Company met the then applicable requirements for use of Form S-3 under the Securities Act, including compliance with General Instruction I.B.6 of Form S-3, up to the Maximum Amount. As of the close of trading on the Exchange on April 28, 2017, a Trading Day within 60 days prior to the date of this Agreement, the aggregate market value of the outstanding voting and non-voting common equity (as defined in Rule 405) of the Company held by persons other than affiliates of the Company (pursuant to Rule 144 of the Securities Act, those that directly, or indirectly through one or more intermediaries, control, or are controlled by, or are under common control with, the Company) (the “**Non-Affiliate Shares**”), was approximately \$107,011,161 million (calculated by multiplying (x) the price at which the common equity of the Company was last sold on the Exchange on April 28, 2017, a Trading Day within 60 days prior to the date of this Agreement times (y) the number of Non-Affiliate Shares). The Company is not a shell company (as defined in Rule 405) and has not been a shell company for at least 12 calendar months previously.

(g) Authorization of the Placement Shares. The Placement Shares, when issued and delivered, will be duly authorized for issuance and sale pursuant to this Agreement and, when issued and delivered by the Company against payment therefor pursuant to this Agreement, will have been validly issued, fully paid and nonassessable.

(h) No Applicable Registration or Other Similar Rights. Except as otherwise disclosed in the Prospectus, there are no persons with registration or other similar rights to have any equity or debt securities registered for sale under the Registration Statement or included in the offering contemplated by this Agreement, except for such rights as have been duly waived.

(i) No Material Adverse Change. Except as otherwise disclosed in the Prospectus, subsequent to the respective dates as of which information is given in the Prospectus: (i) there has been no material adverse change, or any development that could reasonably be expected to result in a material adverse change, in the condition, financial or otherwise, or in the earnings, business, operations or prospects, whether or not arising from transactions in the ordinary course of business, of the Company and its subsidiaries, considered as one entity (any such change is

called a “**Material Adverse Change**”); (ii) other than as contemplated by this Agreement, the Company and its subsidiaries, considered as one entity, have not incurred any material liability or obligation, indirect, direct or contingent, not in the ordinary course of business nor entered into any material transaction or agreement not in the ordinary course of business; and (iii) there has been no dividend or distribution of any kind declared, paid or made by the Company or, except for regular quarterly dividends publicly announced by the Company or dividends paid to the Company or other subsidiaries, by any of its subsidiaries on any class of capital stock or repurchase or redemption by the Company or any of its subsidiaries of any class of capital stock.

(j) Independent Accountants. Each of PricewaterhouseCoopers LLP and Mayer Hoffman McCann P.C., who have expressed their opinions with respect to the financial statements (which term as used in this Agreement includes the related notes thereto) and supporting schedules filed with the Commission or incorporated by reference as a part of the Registration Statement and included in the Prospectus, are each independent registered public accounting firms with respect to the Company as required by the Securities Act and the Exchange Act.

(k) Preparation of the Financial Statements. The financial statements filed with the Commission as a part of or incorporated by reference in the Registration Statement and included in the Prospectus present fairly, in all material respects, the consolidated financial position of the Company and its subsidiaries as of and at the dates indicated and the results of their operations and cash flows for the periods specified. The supporting schedules included in or incorporated in the Registration Statement present fairly the information required to be stated therein. Such financial statements and supporting schedules have been prepared in accordance with generally accepted accounting principles as applied in the United States applied on a consistent basis throughout the periods involved, except as may be expressly stated in the related notes thereto. No other financial statements or supporting schedules are required to be included in or incorporated in the Registration Statement.

(l) Incorporation and Good Standing of the Company and its Subsidiaries. The Company has been duly incorporated and is validly existing as a corporation in good standing under the laws of the State of Delaware and has corporate power and authority to own, lease and operate its properties and to conduct its business as described in the Prospectus and to enter into and perform its obligations under this Agreement. Each subsidiary of the Company has been duly organized and is validly existing as a corporation in good standing under the laws of the jurisdiction of its organization and has the requisite power and authority to own, lease and operate its properties and to conduct its business as described in the Prospectus. Each of the Company and its subsidiaries is duly qualified as a foreign corporation to transact business and is in good standing in each jurisdiction in which such qualification is required, whether by reason of the ownership or leasing of property or the conduct of business, except for such jurisdictions where the failure to so qualify or to be in good standing would not, individually or in the aggregate, reasonably be expected to result in a Material Adverse Change. Except as described in the Prospectus, all of the issued and outstanding equity interests of the subsidiaries have been duly authorized and validly issued, are fully paid and nonassessable and are owned by the Company free and clear of any security interest, mortgage, pledge, lien, encumbrance or adverse

claim. The Company does not own or control, directly or indirectly, any corporation, association or other entity other than the subsidiaries listed on the most recently filed Exhibit 21.1 with the Commission and other than (i) those subsidiaries not required to be listed on Exhibit 21.1 by Item 601 of Regulation S-K under the Exchange Act and (ii) those subsidiaries formed since the last day of the most recently ended fiscal year.

(m) Capital Stock Matters. The Common Stock conforms in all material respects to the description thereof contained in the Prospectus. All of the issued and outstanding shares of Common Stock have been duly authorized and validly issued, are fully paid and nonassessable and have been issued in compliance with federal and state securities laws. None of the outstanding shares of Common Stock were issued in violation of any preemptive rights, rights of first refusal or other similar rights to subscribe for or purchase securities of the Company. There are no authorized or outstanding options, warrants, preemptive rights, rights of first refusal or other rights to purchase, or equity or debt securities convertible into or exchangeable or exercisable for, any capital stock of the Company or any of its subsidiaries other than those accurately described in all material respects in the Prospectus. The description of the Company's stock option, stock bonus and other stock plans or arrangements, and the options or other rights granted thereunder, set forth in the Prospectus accurately and fairly presents in all material respects the information required to be shown with respect to such plans, arrangements, options and rights.

(n) Non-Contravention of Existing Instruments; No Further Authorizations or Approvals Required. Neither the Company nor any of its subsidiaries is in violation of its charter or by-laws or is in default (or, with the giving of notice or lapse of time, would be in default) ("**Default**") under any indenture, mortgage, loan or credit agreement, note, contract, franchise, lease or other instrument to which the Company or any of its subsidiaries is a party or by which it or any of them may be bound, or to which any of the property or assets of the Company or any of its subsidiaries is subject (each, an "**Existing Instrument**"), except for such Defaults as would not, individually or in the aggregate, result in a Material Adverse Change. The Company's execution, delivery and performance of this Agreement and consummation of the transactions contemplated hereby and by the Prospectus (i) have been duly authorized by all necessary corporate action and will not result in any violation of the provisions of the charter or by-laws of the Company or any subsidiary, (ii) will not conflict with or constitute a breach of, or Default under, or result in the creation or imposition of any lien, charge or encumbrance upon any property or assets of the Company or any of its subsidiaries pursuant to, or require the consent of any other party to, any Existing Instrument, except for such conflicts, breaches, Defaults, liens, charges or encumbrances as would not, individually or in the aggregate, result in a Material Adverse Change and (iii) will not result in any violation of any law, administrative regulation or administrative or court decree applicable to the Company or any subsidiary. No consent, approval, authorization or other order of, or registration or filing with, any court or other governmental or regulatory authority or agency, is required for the Company's execution, delivery and performance of this Agreement and consummation of the transactions contemplated hereby and by the Prospectus, except such as have been obtained or made by the Company and are in full force and effect under the Securities Act, or that may be required under applicable state securities or blue sky laws and from the Financial Industry Regulatory Authority ("**FINRA**") or Exchange.

(o) No Material Actions or Proceedings. Except as disclosed in the Prospectus, there are no legal or governmental actions, suits or proceedings pending or, to the best of the Company's knowledge, threatened (i) against or affecting the Company or any of its subsidiaries, (ii) which has as the subject thereof any officer or director of, or property owned or leased by, the Company or any of its subsidiaries or (iii) relating to environmental or discrimination matters, where in any such case (A) there is a reasonable possibility that such action, suit or proceeding might be determined adversely to the Company or such subsidiary and (B) any such action, suit or proceeding, if so determined adversely, would result in a Material Adverse Change or adversely affect the consummation of the transactions contemplated by this Agreement. No material labor dispute with the employees of the Company or any of its subsidiaries exists or, to the Company's knowledge, is threatened or imminent.

(p) All Necessary Permits, etc. The Company and each subsidiary possess such valid and current certificates, authorizations or permits issued by the appropriate state, federal or foreign regulatory agencies or bodies necessary to conduct their respective businesses as currently conducted and described in the Prospectus, other than those the failure to possess or own would not result in a Material Adverse Change, and neither the Company nor any subsidiary has received any notice of proceedings relating to the revocation or modification of, or non-compliance with, any such certificate, authorization or permit which, singly or in the aggregate, if the subject of an unfavorable decision, ruling or finding, could result in a Material Adverse Change.

(q) Tax Law Compliance. Subject to any permitted extensions, the Company and its consolidated subsidiaries have filed all necessary federal, state and foreign income, property and franchise tax returns (or have properly requested extensions thereof) and have paid all taxes required to be paid by any of them and, if due and payable, any related or similar assessment, fine or penalty levied against any of them except as may be being contested in good faith and by appropriate proceedings. The Company has made adequate charges, accruals and reserves in the applicable financial statements referred to in Section 6(k) above in respect of all federal, state and foreign income, property and franchise taxes for all periods as to which the tax liability of the Company or any of its consolidated subsidiaries has not been finally determined.

(r) Company Not an "Investment Company". The Company has been advised of the rules and requirements under the Investment Company Act of 1940, as amended (the "Investment Company Act"). The Company is not, and after receipt of payment for the Placement Shares will not be, an "investment company" within the meaning of Investment Company Act.

(s) Insurance. Except as otherwise described in the Prospectus, each of the Company and its subsidiaries are insured by insurers of recognized financial responsibility with policies in such amounts and with such deductibles and covering such risks as are generally deemed prudent and customary for their respective businesses as currently conducted and described in the Prospectus. The Company has no reason to believe that it or any subsidiary will not be able (i) to renew its existing insurance coverage as and when such policies expire or (ii) to obtain comparable coverage from similar institutions as may be necessary or appropriate to conduct its business as now conducted and at a cost that would not result in a Material Adverse Change.

(t) No Price Stabilization or Manipulation. The Company has not taken and will not take, directly or indirectly, any action designed to or that might be reasonably expected to cause or result in stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of the Placement Shares.

(u) Related Party Transactions. There are no business relationships or related-party transactions involving the Company or any subsidiary or any other person required to be described in the Prospectus which have not been described as required.

(v) Exchange Act Compliance. The Incorporated Documents, at the time they were or hereafter are filed with the Commission, complied and will comply in all material respects with the requirements of the Exchange Act, and, when read together with the other information in the Prospectus, at the Settlement Dates, will not 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 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.

(w) No Unlawful Contributions or Other Payments. Neither the Company nor any of its subsidiaries nor, to the Company's knowledge, any director, officer, employee or agent of the Company or any subsidiary acting on behalf of the Company or any of its subsidiaries has taken any action, directly or indirectly, that would result in a violation by such persons of the Foreign Corrupt Practices Act of 1977, as amended, and the rules and regulations thereunder (the "FCPA"), including, without limitation, making use of the mails or any means or instrumentality of interstate commerce corruptly in furtherance of an offer, payment, promise to pay or authorization of the payment of any money, or other property, gift, promise to give, or authorization of the giving of anything of value to any "foreign official" (as such term is defined in the FCPA) or any foreign political party or official thereof or any candidate for foreign political office, in contravention of the FCPA and the Company and, to the knowledge of the Company, its controlled affiliates have conducted their businesses in compliance with the FCPA and have instituted and maintain policies and procedures designed to ensure, and which are reasonably expected to continue to ensure, continued compliance therewith.

(x) Compliance with Money Laundering Laws. The operations of the Company and its subsidiaries are and have been conducted at all times in compliance with applicable financial recordkeeping and reporting requirements of the Currency and Foreign Transactions Reporting Act of 1970, as amended, the money laundering statutes of all jurisdictions, the rules and regulations thereunder and any related or similar rules, regulations or guidelines, issued, administered or enforced by any governmental agency (collectively, the "Money Laundering Laws") and no action, suit or proceeding by or before any court or governmental agency, authority or body or any arbitrator involving the Company or any of its subsidiaries with respect to the Money Laundering Laws is pending or, to the knowledge of the Company, threatened.

(y) Compliance with OFAC. None of the Company, any of its subsidiaries or, to the knowledge of the Company, any director, officer, agent, employee or affiliate of the Company or any of its subsidiaries is currently subject to any U.S. sanctions administered by the Office of Foreign Office Control of the U.S. Department of the Treasury ("OFAC"); and the Company will not, directly or indirectly, use the proceeds of the offering of the Placement Shares

hereunder, or lend, contribute or otherwise make available such proceeds to any subsidiary, joint venture partner or other person or entity, for the purpose of financing the activities of any person currently subject to any U.S. sanctions administered by OFAC.

(z) Company's Accounting System. The Company maintains a system of "internal control over financial reporting" (as such term is defined in Rule 13a-15(f) of the General Rules and Regulations under the Exchange Act (the "**Exchange Act Rules**")) that complies with the requirements of the Exchange Act and has been designed by its respective principal executive and principal financial officers, or under their supervision, to provide reasonable assurances that (i) transactions are executed in accordance with management's general or specific authorizations; (ii) transactions are recorded as necessary to permit preparation of financial statements in conformity with U.S. GAAP and to maintain accountability for assets; (iii) access to assets is permitted only in accordance with management's general or specific authorization; and (iv) the recorded accountability for assets is compared with existing assets at reasonable intervals and appropriate action is taken with respect to any differences. Except as described in the Prospectus, since the end of the Company's most recent audited fiscal year, there has been (A) no material weakness in the Company's internal control over financial reporting (whether or not remediated) and (B) no change in the Company's internal control over financial reporting that has materially affected, or is reasonably likely to materially affect, the Company's internal control over financial reporting.

(aa) Disclosure Controls. The Company maintains disclosure controls and procedures (as such is defined in Rule 13a-15(e) of the Exchange Act Rules) that comply with the requirements of the Exchange Act; such disclosure controls and procedures have been designed to ensure that information required to be disclosed by the Company in reports that it files or submits under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the Commission's rules and forms, including controls and procedures designed to ensure that such information is accumulated and communicated to the Company's management to allow timely decisions regarding disclosures. To the extent required by the Exchange Act Rules, the Company has conducted evaluations of the effectiveness of its disclosure controls as required by Rule 13a-15 of the Exchange Act.

(bb) Compliance with Environmental Laws. Except as otherwise described in the Prospectus, and except as would not, individually or in the aggregate, result in a Material Adverse Change (i) to the Company's knowledge, neither the Company nor any of its subsidiaries is in violation of any federal, state, local or foreign law or regulation relating to pollution or protection of human health or the environment (including, without limitation, ambient air, surface water, groundwater, land surface or subsurface strata) or wildlife, including without limitation, laws and regulations relating to emissions, discharges, releases or threatened releases of chemicals, pollutants, contaminants, wastes, toxic substances, hazardous substances, petroleum and petroleum products (collectively, "**Materials of Environmental Concern**"), or otherwise relating to the manufacture, processing, distribution, use, treatment, storage, disposal, transport or handling of Materials of Environmental Concern (collectively, "**Environmental Laws**"), which violation includes, but is not limited to, noncompliance with any permits or other governmental authorizations required for the operation of the business of the Company or its subsidiaries under applicable Environmental Laws, or noncompliance with the terms and

conditions thereof, nor has the Company or any of its subsidiaries received any written communication, whether from a governmental authority, citizens group, employee or otherwise, that alleges that the Company or any of its subsidiaries is in violation of any Environmental Law; (ii) there is no claim, action or cause of action filed with a court or governmental authority, no investigation with respect to which the Company has received written notice, and no written notice by any person or entity alleging potential liability for investigatory costs, cleanup costs, governmental responses costs, natural resources damages, property damages, personal injuries, attorneys' fees or penalties arising out of, based on or resulting from the presence, or release into the environment, of any Material of Environmental Concern at any location owned, leased or operated by the Company or any of its subsidiaries, now or in the past (collectively, "**Environmental Claims**"), pending or, to the Company's knowledge, threatened against the Company or any of its subsidiaries or any person or entity whose liability for any Environmental Claim the Company or any of its subsidiaries has retained or assumed either contractually or by operation of law; and (iii) to the best of the Company's knowledge, there are no past or present actions, activities, circumstances, conditions, events or incidents, including, without limitation, the release, emission, discharge, presence or disposal of any Material of Environmental Concern, that reasonably could result in a violation of any Environmental Law or form the basis of a potential Environmental Claim against the Company or any of its subsidiaries or against any person or entity whose liability for any Environmental Claim the Company or any of its subsidiaries has retained or assumed either contractually or by operation of law.

(cc) **Intellectual Property.** Except for specific matters described in the Prospectus, the Company and its subsidiaries own, possess or have sufficient rights to use all trademarks, trade names, patent rights, copyrights, domain names, licenses, approvals, trade secrets, inventions, technology, know-how and other intellectual property and similar rights, including registrations and applications for registration thereof (collectively, "**Intellectual Property Rights**") necessary or material to the conduct of the business now conducted or proposed in the Prospectus to be conducted by them. Except as disclosed in the Prospectus (i) to the Company's knowledge, there are no rights of third parties to any of the Intellectual Property Rights owned or purported to be owned by the Company or its subsidiaries, except for those certain rights retained by the federal and state governments pursuant to the Company's grants and loan award; (ii) to the Company's knowledge there is no infringement, misappropriation, breach, or default by any third party of any of the Intellectual Property Rights of the Company or any of its subsidiaries; (iii) there is no pending or, to the Company's knowledge, threatened action, suit, proceeding or claim by any third party challenging the Company's or any of its subsidiaries' rights in or to, or the violation of any of the terms of, any of their Intellectual Property Rights; (iv) there is no pending or, to the Company's knowledge, threatened action, suit, proceeding or claim by any third party challenging the validity, enforceability or scope of any Intellectual Property Rights of the Company or any of its subsidiaries; (v) there is no pending or, to the Company's knowledge, threatened action, suit, proceeding or claim by any third party that the Company or any of its subsidiaries infringes, misappropriates or otherwise violates or conflicts with any Intellectual Property Rights of any third party; (vi) none of the Intellectual Property Rights used or held for use by the Company or any of its subsidiaries in their businesses has been obtained or is being used or held for use by the Company or any of its subsidiaries in violation of any contractual obligation binding on the Company or any of its subsidiaries, and (vii) the Company and its subsidiaries have taken reasonable steps in accordance with normal industry practice to maintain

the confidentiality of all Intellectual Property Rights the value of which to the Company or any subsidiary is contingent upon maintaining the confidentiality thereof, except in each case covered by clauses (i) – (vii) such as would not, if determined adversely to the Company or any of its subsidiaries, individually or in the aggregate, result in a Material Adverse Change.

(dd) Compliance with Applicable Laws. The Company and the subsidiaries: (A) except as disclosed in the Incorporated Documents, are and at all times have been in material compliance with all statutes, rules and regulations applicable to the ownership, testing, development, manufacture, packaging, processing, use, distribution, marketing, labeling, promotion, sale, offer for sale, storage, import, export or disposal of any product under development, manufactured or distributed by the Company or the Subsidiaries (“Applicable Laws”), (B) have not received any notice of adverse finding, warning letter, or other written correspondence or notice from any federal, state, local or foreign governmental or regulatory authority alleging or asserting material noncompliance with any Applicable Laws or any licenses, certificates, approvals, clearances, authorizations, permits and supplements or amendments thereto required by any such Applicable Laws (“Authorizations”), which would, individually or in the aggregate, result in a Material Adverse Change; (C) possess all material Authorizations and such Authorizations are valid and in full force and effect and neither the Company nor the Subsidiaries is in material violation of any term of any such Authorizations; (D) have not received written notice of any claim, action, suit, proceeding, hearing, enforcement, investigation, arbitration or other action any federal, state, local or foreign governmental or regulatory authority or third party alleging that any Company product, operation or activity is in material violation of any Applicable Laws or Authorizations and has no knowledge that any federal, state, local or foreign governmental or regulatory authority or third party is considering any such claim, litigation, arbitration, action, suit, investigation or proceeding against the Company; (E) have not received notice that any federal, state, local or foreign governmental or regulatory authority has taken, is taking or intends to take action to limit, suspend, modify or revoke any material Authorizations and has no knowledge that any federal, state, local or foreign governmental or regulatory authority is considering such action; and (F) have filed, obtained, maintained or submitted all reports, documents, forms, notices, applications, records, claims, submissions and supplements or amendments as required by any Applicable Laws or Authorizations except where the failure to file such reports, documents, forms, notices, applications, records, claims, submissions and supplements or amendments would not result in a Material Adverse Change, and that all such reports, documents, forms, notices, applications, records, claims, submissions and supplements or amendments were materially complete and correct on the date filed (or were corrected or supplemented by a subsequent submission).

(ee) Clinical Studies. All clinical trials conducted by the Company or on behalf of the Company were, and, if still pending are, to the Company’s knowledge, being conducted in all material respects in compliance with all Applicable Laws and in accordance with experimental protocols, procedures and controls generally used by qualified experts in the clinical trials of new drugs and biologics as applied to comparable products to those being developed by the Company; the descriptions of the results of such clinical trials contained in the Registration Statement and the Prospectus are accurate in all material respects, and, except as set forth in the Registration Statement and the Prospectus, the Company has no knowledge



of any other clinical trials, the results of which reasonably call into question the clinical trial results described or referred to in the Registration Statement and the Prospectus when viewed in the context in which such results are described; and the Company has not received any written notices or correspondence from any domestic or foreign governmental agency requiring the termination or suspension of any clinical trials conducted by or on behalf of the Company that are described in the Registration Statement and the Prospectus or the results of which are referred to in the Registration Statement and the Prospectus.

(ff) Listing. The Company is subject to and in compliance in all material respects with the reporting requirements of Section 13 or Section 15(d) of the Exchange Act. The Common Stock is registered pursuant to Section 12(b) or Section 12(g) of the Exchange Act and is listed on the Exchange, and the Company has taken no action designed to, or reasonably likely to have the effect of, terminating the registration of the Common Stock under the Exchange Act or delisting the Common Stock from the Exchange, nor has the Company received any notification that the Commission or Exchange is contemplating terminating such registration or listing.

(gg) Brokers. Except for HCW, there is no broker, finder or other party that is entitled to receive from the Company any brokerage or finder's fee or other fee or commission as a result of any transactions contemplated by this Agreement.

(hh) No Outstanding Loans or Other Indebtedness. Except as described in the Prospectus, there are no outstanding loans, advances (except normal advances for business expenses in the ordinary course of business) or guarantees or indebtedness by the Company to or for the benefit of any of the officers or directors of the Company or any of the immediate family members of any of them.

(ii) No Reliance. The Company has not relied upon HCW or legal counsel for HCW for any legal, tax or accounting advice in connection with the offering and sale of the Placement Shares.

(jj) HCW Purchases. The Company acknowledges and agrees that HCW has informed the Company that HCW may, to the extent permitted under the Securities Act, the Exchange Act and this Agreement, purchase and sell shares of Common Stock for its own account while this Agreement is in effect. HCW shall be solely responsible for compliance with Regulation M in connection with any transactions described in the preceding sentence.

(kk) Any certificate signed by an officer of the Company and delivered to HCW or to counsel for HCW in connection with this Agreement shall be deemed to be a representation and warranty by the Company to HCW as to the matters set forth therein.

(ll) The Company acknowledges that HCW and, for purposes of the opinions to be delivered pursuant to Section 7 hereof, counsel to the Company and counsel to HCW, will rely upon the accuracy and truthfulness of the foregoing representations and hereby consents to such reliance.

7. Covenants of the Company. The Company covenants and agrees with HCW that:

(a) Registration Statement Amendments. After the date of this Agreement and during any period in which a Prospectus relating to any Placement Shares is required to be delivered by HCW under the Securities Act (including in circumstances where such requirement may be satisfied pursuant to Rule 172 under the Securities Act), (i) the Company will notify HCW promptly of the time when any subsequent amendment to the Registration Statement, other than the Incorporated Documents or amendments not related to any Placement Shares, has been filed with the Commission and/or has become effective or any subsequent supplement to the Prospectus has been filed and of any request by the Commission for any amendment or supplement to the Registration Statement or Prospectus related to any Placement Shares or for additional information related to any Placement Shares, (ii) the Company will prepare and file with the Commission, promptly upon HCW's reasonable request, any amendments or supplements to the Registration Statement or Prospectus that, in HCW's reasonable opinion, may be necessary or advisable in connection with the distribution of the Placement Shares by HCW (*provided, however*, that the failure of HCW to make such request shall not relieve the Company of any obligation or liability hereunder, or affect HCW's right to rely on the representations and warranties made by the Company in this Agreement and provided, further, that the only remedy HCW shall have with respect to the failure to make such filing shall be to cease making sales under this Agreement until such amendment or supplement is filed); (iii) the Company will not file any amendment or supplement to the Registration Statement or Prospectus, other than documents incorporated by reference, relating to the Placement Shares unless a copy thereof has been submitted to HCW within a reasonable period of time before the filing and HCW has not reasonably objected thereto within two business days following receipt thereof (*provided, however*, that (A) the failure of HCW to make such objection shall not relieve the Company of any obligation or liability hereunder, or affect HCW's right to rely on the representations and warranties made by the Company in this Agreement, (B) the Company has no obligation to provide HCW any advance copy of such filing or to provide HCW an opportunity to object to such filing if the filing does not name HCW or does not relate to the transaction herein provided, and (C) the only remedy HCW shall have with respect to the failure by the Company to provide HCW with such copy or the filing of such amendment or supplement despite HCW's objection shall be to cease making sales under this Agreement) and the Company will furnish to HCW at the time of filing thereof a copy of any document that upon filing is deemed to be incorporated by reference into the Registration Statement or Prospectus, except for those documents available via EDGAR; and (iv) the Company will cause each amendment or supplement to the Prospectus, other than documents incorporated by reference, to be filed with the Commission as required pursuant to the applicable paragraph of Rule 424(b) of the Securities Act.

(b) Notice of Commission Stop Orders. The Company will advise HCW, promptly after it receives notice or obtains knowledge thereof, of the issuance or threatened issuance by the Commission of any stop order suspending the effectiveness of the Registration Statement, of the suspension of the qualification of the Placement Shares for offering or sale in any jurisdiction, or of the initiation or threatening of any proceeding for any such purpose; and it will promptly use its commercially reasonable efforts to prevent the issuance of any stop order or to obtain its withdrawal if such a stop order should be issued.

(c) Delivery of Prospectus; Subsequent Changes. During any period in which a Prospectus relating to the Placement Shares is required to be delivered by HCW under the

Securities Act with respect to a pending sale of the Placement Shares (including in circumstances where such requirement may be satisfied pursuant to Rule 172 under the Securities Act), the Company will use its commercially reasonable efforts to comply in all material respects with all requirements imposed upon it by the Securities Act, as from time to time in force, and to file on or before their respective due dates (taking into account any extensions available under the Exchange Act) all reports and any definitive proxy or information statements required to be filed by the Company with the Commission pursuant to Sections 13(a), 13(c), 14, 15(d) or any other provision of or under the Exchange Act. If during such period any event occurs as a result of which the Prospectus as then amended or supplemented would include an untrue statement of a material fact or omit to state a material fact necessary to make the statements therein, in the light of the circumstances then existing, not misleading, or if during such period it is necessary to amend or supplement the Registration Statement or Prospectus to comply with the Securities Act, the Company will promptly notify HCW to suspend the offering of Placement Shares during such period and the Company will promptly amend or supplement the Registration Statement or Prospectus (at the expense of the Company) so as to correct such statement or omission or effect such compliance; provided, however, that the Company may delay any such amendment or supplement if, in the reasonable judgment of the Company and its legal counsel, it is in the best interests of the Company to do so.

(d) Listing of Placement Shares. During any period in which the Prospectus relating to the Placement Shares is required to be delivered by HCW under the Securities Act with respect to a pending sale of the Placement Shares (including in circumstances where such requirement may be satisfied pursuant to Rule 172 under the Securities Act), the Company will use its commercially reasonable efforts to cause the Placement Shares to be listed on Exchange and to qualify the Placement Shares for sale under the securities laws of such jurisdictions as HCW reasonably designates and to continue such qualifications in effect so long as required for the distribution of the Placement Shares; *provided, however*, that the Company shall not be required in connection therewith to qualify as a foreign corporation or dealer in securities or file a general consent to service of process in any jurisdiction.

(e) Delivery of Registration Statement and Prospectus. The Company will furnish to HCW and its counsel (at the expense of the Company) copies of the Registration Statement, the Prospectus (including all documents incorporated by reference therein) and all amendments and supplements to the Registration Statement or Prospectus that are filed with the Commission during any period in which a Prospectus relating to the Placement Shares is required to be delivered under the Securities Act (including all documents filed with the Commission during such period that are deemed to be incorporated by reference therein), in each case as soon as reasonably practicable and in such quantities as HCW may from time to time reasonably request and, at HCW's request, will also furnish copies of the Prospectus to each exchange or market on which sales of the Placement Shares may be made; *provided, however*, that the Company shall not be required to furnish any document (other than the Prospectus) to HCW to the extent such document is available on EDGAR.

(f) Earnings Statement. To the extent not available on the Commission's EDGAR filing system, the Company will make generally available to its security holders as soon as practicable, but in any event not later than 15 months after the end of the Company's current fiscal quarter, an earnings statement covering a 12-month period that satisfies the provisions of Section 11(a) and Rule 158 of the Securities Act.

(g) Expenses. The Company, whether or not the transactions contemplated hereunder are consummated or this Agreement is terminated, in accordance with the provisions of Section 11 hereunder, will pay all expenses incident to the performance of the Company's obligations under this Agreement, including (i) the preparation, filing, including any fees required by the Commission, and printing of the Registration Statement (including financial statements and exhibits) as originally filed and of each amendment and supplement thereto and each Free Writing Prospectus, in such number as HCW shall deem reasonably necessary, (ii) the printing and delivery to HCW of such documents as may be required in connection with the offering, purchase, sale, issuance or delivery of the Placement Shares, (iii) the preparation, issuance and delivery of the certificates, if any, for the Placement Shares to HCW, including any stock or other transfer taxes and any capital duties, stamp duties or other duties or taxes payable upon the sale, issuance or delivery of the Placement Shares to HCW, (iv) the fees and disbursements of the counsel, accountants and other advisors to the Company, (v) the fees and disbursements of counsel to HCW in connection with entering into the transactions contemplated by this Agreement up to \$50,000, and the quarterly disbursements of counsel to HCW not to exceed \$5,000 per quarter; (vi) any fees and expenses of the transfer agent and registrar for the Common Stock, (vii) the filing fees incident to any review by FINRA of the terms of the sale of the Placement Shares, if any (viii) the fees and expenses incurred in connection with the listing of the Placement Shares on the Exchange, and (ix) all trading, execution, settlement, or wiring fees incurred by HCW in connection with the sale of the Placement Shares. Unless stated otherwise, all such expenses under this clause (g) shall be paid by the Company promptly upon the request of HCW, subject to the Company's receipt of reasonably detailed documentation with respect to such fees and expenses advanced by HCW. For the avoidance of doubt, the Company is only responsible for the expenses set forth above.

(h) Use of Proceeds. The Company will use the Net Proceeds as described in the Prospectus in the section entitled "Use of Proceeds."

(i) Notice of Other Sales. During the pendency of any Placement Notice given hereunder, and for 5 Trading Days following the termination of any Placement Notice given hereunder, the Company shall provide HCW notice as promptly as reasonably possible before it offers to sell, contracts to sell, sells, grants any option to sell or otherwise disposes of any shares of Common Stock (other than Placement Shares offered pursuant to the provisions of this Agreement) or securities convertible into or exchangeable for Common Stock, warrants or any rights to purchase or acquire Common Stock; *provided*, that such notice shall not be required in connection with the (i) issuance, grant or sale of Common Stock, options to purchase shares of Common Stock or any other equity awards, or Common Stock issuable upon the exercise of options or other equity awards pursuant to any stock option, stock bonus, employee stock purchase or other stock plan or arrangement described in the Prospectus, (ii) the issuance, grant or sale of Common Stock, or securities convertible into or exercisable for Common Stock, in connection with any joint venture, commercial, strategic or collaborative relationship, or the acquisition or license by the Company of the securities, businesses, property or other assets of

another person or entity, (iii) the issuance or sale of Common Stock pursuant to any dividend reinvestment plan that the Company may adopt from time to time provided the implementation of such is disclosed to HCW in advance or (iv) any shares of Common Stock issuable upon the exchange, conversion or redemption of securities or the exercise or vesting of warrants, options or other rights in effect or outstanding. Notwithstanding the foregoing provisions, nothing herein shall be construed to restrict the Company's ability, or require the Company to provide notice to HCW, to file a registration statement under the Securities Act, including another prospectus supplement in connection with the Registration Statement for the issuance and sale of shares other than the Placement Shares.

(j) Change of Circumstances. The Company will, at any time during a fiscal quarter in which the Company intends to tender a Placement Notice or sell Placement Shares, advise HCW promptly after it shall have received notice or obtained knowledge thereof, of any information or fact that would alter or affect in any material respect any opinion, certificate, letter or other document provided to HCW pursuant to this Agreement.

(k) Due Diligence Cooperation. During the term of this Agreement, the Company will cooperate with any reasonable due diligence review conducted by HCW or its agents in connection with the transactions contemplated hereby, including, without limitation, providing information and making available documents and senior corporate officers, during regular business hours and at the Company's principal offices, as HCW may reasonably request.

(l) Required Filings Relating to Placement of Placement Shares. To the extent that the filing of a prospectus supplement with the Commission with respect to a placement of Placement Shares is required under Rule 424(b) under the Securities Act, the Company agrees that on or before such dates as the Securities Act shall require, the Company will (i) file a prospectus supplement with the Commission under the applicable paragraph of Rule 424(b) under the Securities Act (each and every filing under Rule 424(b), a "Filing Date"), which prospectus supplement will set forth, to the extent required, within the relevant period, the amount of Placement Shares sold through HCW, the Net Proceeds to the Company and the compensation payable by the Company to HCW with respect to such Placement Shares (provided that the Company may satisfy its obligations under this Section 7(l)(i) by effecting a filing in accordance with the Exchange Act with respect to such information), and (ii) deliver such number of copies of each such prospectus supplement to each exchange or market on which such sales were effected as may be required by the rules or regulations of such exchange or market.

(m) Representation Dates; Certificate. On or prior to delivery of the first Placement Notice hereunder, and each time after the Company (i) amends or supplements the Registration Statement or the Prospectus relating to the Placement Shares (other than a prospectus supplement filed in accordance with Section 7(l) of this Agreement) by means of a post-effective amendment, sticker, or supplement but not by means of incorporation of document(s) by reference to the Registration Statement or the Prospectus relating to the Placement Shares; (ii) files an annual report on Form 10-K under the Exchange Act (including any Form 10-K/A that contains restated financial statements; (iii) files its quarterly reports on Form 10-Q under the Exchange Act; or (iv) files a current report on Form 8-K under the Exchange Act containing amended audited financial information (other than information "furnished" pursuant to Items 2.02

or 7.01 of Form 8-K or to provide disclosure pursuant to Item 8.01 of Form 8-K relating to the reclassification of certain properties as discontinued operations in accordance with Statement of Financial Accounting Standards No. 144 under the Exchange Act) under the Exchange Act (each date of filing of one or more of the documents referred to in clauses (i) through (iv) shall be a "**Representation Date**"); the Company shall furnish HCW with a certificate, in the form attached hereto as Exhibit 7(m) within five (5) Trading Days of any Representation Date if requested by HCW. The requirement to provide a certificate under this Section 7(m) shall be automatically waived for any Representation Date occurring at a time at which no Placement Notice is pending, which waiver shall continue until the earlier to occur of the date the Company delivers a Placement Notice hereunder (which for such calendar quarter shall be considered a Representation Date, including for purposes of Sections 7(n) and (o) hereof) and the next occurring Representation Date; *provided, however*, that such waiver shall not apply for any Representation Date on which the Company files its annual report on Form 10-K. Notwithstanding the foregoing, if the Company subsequently decides to sell Placement Shares following a Representation Date when the Company relied on such waiver and did not provide HCW with a certificate under this Section 7(m), then before the Company delivers the Placement Notice or HCW sells any Placement Shares, the Company shall provide HCW with a certificate, in the form attached hereto as Exhibit 7(m), dated the date of the Placement Notice.

(n) Legal Opinion. (i) On or prior to delivery of the first Placement Notice hereunder, the Company shall cause to be furnished to HCW the written opinions and negative assurance letter of Wilson Sonsini Goodrich & Rosati Professional Corporation ("**WSGR**") and the negative assurance letter of DLA Piper (US) LLP ("**DLA**"), or other counsel reasonably satisfactory to HCW, in form and substance reasonably satisfactory to HCW and its counsel, dated the date that such opinion and negative assurance letter are required to be delivered, and (ii) within the later of (A) five (5) Trading Days of each Representation Date with respect to which the Company is obligated to deliver a certificate in the form attached hereto as Exhibit 7(m), and (B) the date a Placement Notice is first delivered by the Company following a Representation Date, the Company shall cause to be furnished to HCW a negative assurance letter of WSGR, in form and substance reasonably satisfactory to HCW and its counsel, dated the date that the negative assurance letter is required to be delivered (the "**Opinion Date**"), respectively, modified, as necessary, to relate to the Registration Statement and the Prospectus as then amended or supplemented; *provided, however*, that in lieu of such negative assurance letters for subsequent Representation Dates, counsel may furnish HCW with a letter (a "**Reliance Letter**") to the effect that HCW may rely on a prior negative assurance letter delivered under this Section 7(n) to the same extent as if it were dated the date of such Reliance Letter (except that statements in such prior negative assurance letter shall be deemed to relate to the Registration Statement and the Prospectus as amended or supplemented at such Representation Date).

(o) Comfort Letter. (i) On or prior to delivery of the first Placement Notice hereunder, the Company shall caused to be furnished to HCW letters from each of PWC and MHM (the "**Comfort Letters**"), dated the date the Comfort Letter is delivered, in form and substance satisfactory to HCW, (A) confirming that they are an independent registered public accounting firm within the meaning of the Securities Act and the PCAOB, (B) stating, as of such date, the conclusions and findings of such firm with respect to the financial information and other matters ordinarily covered by accountants' "comfort letters" to HCW in connection with

registered public offerings (the first such letter, the “**Initial Comfort Letter**”), and (ii) within five (5) Trading Days of each subsequent Representation Date with respect to which the Company is obligated to deliver a certificate in the form attached hereto as Exhibit 7(m), other than pursuant to Section 7(m)(iii), the Company shall cause PWC, or its other independent accountants, to furnish HCW a Comfort Letter in form and substance satisfactory to HCW, dated the date the Comfort Letter is delivered, updating the Initial Comfort Letter with any information that would have been included in the Initial Comfort Letter had it been given on such date and modified as necessary to relate to the Registration Statement and the Prospectus, as amended and supplemented to the date of such letter.

(p) Market Activities. The Company will not, directly or indirectly, (i) take any action designed to cause or result in, or that constitutes or might reasonably be expected to constitute, the stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of the Placement Shares or (ii) sell, bid for, or purchase the Placement Shares to be issued and sold pursuant to this Agreement, or pay anyone any compensation for soliciting purchases of the Placement Shares other than HCW; provided, however, that the Company may bid for and purchase shares of its Common Stock in accordance with Rule 10b-18 under the Exchange Act.

(q) Insurance. The Company and its subsidiaries shall maintain, or cease to be maintained, insurance in such amounts and covering such risks as is reasonable and customary for the business for which it is engaged.

(r) Compliance with Laws. The Company and each of its subsidiaries will use commercially reasonable efforts to maintain, or cause to be maintained, all material environmental permits, licenses and other authorizations required by federal, state and local law in order to conduct their businesses as described in the Prospectus, and the Company and each of its subsidiaries shall conduct their businesses, or cause their businesses to be conducted, in substantial compliance with such permits, licenses and authorizations and with applicable environmental laws, except where the failure to maintain or be in compliance with such permits, licenses and authorizations could not reasonably be expected to result in a Material Adverse Change.

(s) Investment Company Act. The Company will conduct its affairs in such a manner so as to reasonably ensure that neither it nor its subsidiaries will be or become, at any time prior to the termination of this Agreement, an “investment company,” as such term is defined in the Investment Company Act, assuming no change in the Commission’s current interpretation as to entities that are not considered an investment company.

(t) Securities Act and Exchange Act. The Company will use its commercially reasonable efforts to comply with all requirements imposed upon it by the Securities Act and the Exchange Act as from time to time in force, so far as necessary to permit the continuance of sales of, or dealings in, the Placement Shares as contemplated by the provisions hereof and the Prospectus.

(u) No Offer to Sell. Other than any free writing prospectus (as defined in Rule 405 under the Securities Act) approved in advance by the Company and HCW in its capacity as principal or agent hereunder, neither HCW nor the Company (including its agents and

representatives, other than HCW in its capacity as such) will make, use, prepare, authorize, approve or refer to any written communication (as defined in Rule 405 under the Securities Act), required to be filed with the Commission, that constitutes an offer to sell or solicitation of an offer to buy Placement Shares hereunder.

(v) Sarbanes-Oxley Act. The Company and its subsidiaries will maintain and keep accurate books and records reflecting their assets and maintain internal accounting controls in a manner designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles and including those policies and procedures that (i) pertain to the maintenance of records that in reasonable detail accurately and fairly reflect the transactions and dispositions of the assets of the Company, (ii) provide reasonable assurance that transactions are recorded as necessary to permit the preparation of the Company's consolidated financial statements in accordance with generally accepted accounting principles, (iii) that receipts and expenditures of the Company are being made only in accordance with management's and the Company's directors' authorization, and (iv) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of the Company's assets that could have a material effect on its financial statements. Unless granted a waiver, the Company and its subsidiaries will maintain such controls and other procedures, including, without limitation, those required by Sections 302 and 906 of the Sarbanes-Oxley Act, and the applicable regulations thereunder that are designed to ensure that information required to be disclosed by the Company in the reports that it files or submits under the Exchange Act is recorded, processed, summarized and reported, within the time periods specified in the Commission's rules and forms, including, without limitation, controls and procedures designed to ensure that information required to be disclosed by the Company in the reports that it files or submits under the Exchange Act is accumulated and communicated to the Company's management, including its principal executive officer and principal financial officer, or persons performing similar functions, as appropriate to allow timely decisions regarding required disclosure and to ensure that material information relating to the Company or its subsidiaries is made known to them by others within those entities, particularly during the period in which such periodic reports are being prepared.

8. Conditions to HCW's Obligations. The obligations of HCW hereunder with respect to a Placement will be subject to the continuing accuracy and completeness of the representations and warranties made by the Company herein, to the due performance by the Company of its obligations hereunder, to the completion by HCW of a due diligence review satisfactory to HCW in its reasonable judgment, and to the continuing satisfaction (or waiver by HCW in its sole discretion) of the following additional conditions:

(a) Registration Statement Effective. The Registration Statement shall be effective and shall be available for the sale of all Placement Shares contemplated to be issued by any Placement Notice hereunder.

(b) No Material Notices. None of the following events shall have occurred and be continuing: (i) receipt by the Company or any of its subsidiaries of any request for additional information from the Commission or any other federal or state governmental authority during the period of effectiveness of the Registration Statement, the response to which would require any



post-effective amendments or supplements to the Registration Statement or the Prospectus; (ii) the issuance by the Commission or any other federal or state governmental authority of any stop order suspending the effectiveness of the Registration Statement or the initiation of any proceedings for that purpose; (iii) receipt by the Company of any notification from the Commission or any other federal or state governmental authority with respect to the suspension of the qualification or exemption from qualification of any of the Placement Shares for sale in any jurisdiction or the initiation or threatening of any proceeding for such purpose; or (iv) the occurrence of any event that makes any material statement made in the Registration Statement or the Prospectus or any material document incorporated or deemed to be incorporated therein by reference untrue in any material respect or that requires the making of any changes in the Registration Statement, the related Prospectus or such documents so that, in the case of the Registration Statement, it will not contain any materially 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 not misleading and, that in the case of the Prospectus, it will not contain any materially 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.

(c) No Misstatement or Material Omission. HCW shall not have advised the Company that the Registration Statement or Prospectus, or any amendment or supplement thereto, contains an untrue statement of fact that in HCW's reasonable opinion is material, or omits to state a fact that in HCW's reasonable opinion is material and is required to be stated therein or is necessary to make the statements therein not misleading.

(d) Material Changes. Except as contemplated in the Prospectus, or disclosed in the Company's reports filed with the Commission, there shall not have been any material adverse change, on a consolidated basis, in the authorized capital stock of the Company or any Material Adverse Change or any development that would reasonably be expected to result in a Material Adverse Change.

(e) Legal Opinions. HCW shall have received the opinions and negative assurance letters or Reliance Letters of WSGR or DLA, as applicable, required to be delivered pursuant to Section 7(n) on or before the date on which such delivery of such opinion and negative assurance letter is required pursuant to Section 7(n).

(f) HCW Counsel Legal Opinion. HCW shall have received from HCW's legal counsel, such opinion or opinions, on or before the date on which the delivery of the WSGR and DLA legal opinions are required pursuant to Section 7(n), with respect to such matters as HCW may reasonably require, and the Company shall have furnished to such counsel such documents as they request for enabling them to pass upon such matters.

(g) Comfort Letter. HCW shall have received the Comfort Letter required to be delivered pursuant to Section 7(o) on or before the date on which such delivery of such Comfort Letter is required pursuant to Section 7(o).

(h) Representation Certificate. HCW shall have received the certificate required to be delivered pursuant to Section 7(m) on or before the date on which delivery of such certificate is required pursuant to Section 7(m).

(i) Secretary's Certificate. On or prior to the First Delivery Date, HCW shall have received a certificate, signed on behalf of the Company by its corporate Secretary, in form and substance reasonably satisfactory to HCW and its counsel.

(j) No Suspension. Trading in the Common Stock shall not have been suspended on Exchange.

(k) Other Materials. On each date on which the Company is required to deliver a certificate pursuant to Section 7(m), the Company shall have furnished to HCW such appropriate further information, certificates and documents as HCW may have reasonably requested. All such opinions, certificates, letters and other documents shall have been in compliance with the provisions hereof. The Company will furnish HCW with such conformed copies of such opinions, certificates, letters and other documents as HCW shall have reasonably requested.

(l) Securities Act Filings Made. All filings with the Commission required by Rule 424 under the Securities Act to have been filed prior to the issuance of any Placement Notice hereunder shall have been made within the applicable time period prescribed for such filing by Rule 424.

(m) Approval for Listing. The Placement Shares shall either have been (i) approved for listing on Exchange, subject only to notice of issuance, or (ii) the Company shall have filed an application for listing of the Placement Shares on Exchange at, or prior to, the issuance of any Placement Notice.

(n) No Termination Event. There shall not have occurred any event that would permit HCW to terminate this Agreement pursuant to Section 11(a).

#### 9. Indemnification and Contribution.

(a) Company Indemnification. The Company agrees to indemnify and hold harmless HCW, the directors, officers, partners, employees and agents of HCW and each person, if any, who (i) controls HCW within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act, or (ii) is controlled by or is under common control with HCW (a "HCW Affiliate") from and against any and all losses, claims, liabilities, expenses and damages (including, but not limited to, any and all reasonable investigative, legal and other expenses incurred in connection with, and any and all amounts paid in settlement (in accordance with Section 9(c)) of, any action, suit or proceeding between any of the indemnified parties or between any indemnified party and any third party, or otherwise, or any claim asserted), as and when incurred, to which HCW, or any such person, may become subject under the Securities Act, the Exchange Act or other federal or state statutory law or regulation, at common law or otherwise, insofar as such losses, claims, liabilities, expenses or damages arise out of or are based, directly or indirectly, on (x) any untrue statement or alleged untrue statement of a material fact contained in the Registration Statement or the Prospectus or any amendment or supplement

to the Registration Statement or the Prospectus or in any free writing prospectus or based on written information furnished by or on behalf of the Company filed in any jurisdiction in order to qualify the Common Stock under the securities laws thereof or filed with the Commission, (y) the omission or alleged omission to state in any such document a material fact required to be stated in it or necessary to make the statements in it, not misleading; *provided, however*, that this indemnity agreement shall not apply to the extent that such loss, claim, liability, expense or damage arises from the sale of the Placement Shares pursuant to this Agreement and is caused directly or indirectly by an untrue statement or omission or alleged untrue statement or omission made in reliance upon and in conformity with information relating to HCW and furnished to the Company in writing by HCW expressly for use therein. This indemnity agreement will be in addition to any liability that the Company might otherwise have.

(b) **HCW Indemnification.** HCW agrees to indemnify and hold harmless the Company and its directors, officers, employees and agents of the Company and each person, if any, who (i) controls the Company within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act, or (ii) is controlled by or is under common control with the Company (each, a "**Savara Affiliate**") from and against any and all losses, claims, liabilities, expenses and damages (including, but not limited to, any and all reasonably investigative, legal and other expenses incurred in connection with, and any and all amounts paid in settlement (in accordance with Section 9(a)) of, any action, suit or proceeding between any indemnified party and any third party, or otherwise, or any claim asserted), as and when incurred, to which the Company, or any Savara Affiliate, may become subject under the Securities Act, the Exchange Act or other federal or state statutory law or regulation, at common law or otherwise, insofar as such losses, claims, liabilities, expenses or damages arise out of or are based, directly or indirectly, on untrue statements or omissions, or alleged untrue statements or omissions, made in the Registration Statement (or any amendments thereto) or the Prospectus (or any amendment or supplement thereto) in reliance upon and in conformity with information relating to HCW and furnished to the Company in writing by HCW expressly for use therein.

(c) **Procedure.** Any party that proposes to assert the right to be indemnified under this Section 9 will, promptly after receipt of notice of commencement of any action against such party in respect of which a claim is to be made against an indemnifying party or parties under this Section 9, notify each such indemnifying party of the commencement of such action, enclosing a copy of all papers served, but the omission so to notify such indemnifying party will not relieve the indemnifying party from (i) any liability that it might have to any indemnified party otherwise than under this Section 9 and (ii) any liability that it may have to any indemnified party under the foregoing provision of this Section 9 unless, and only to the extent that, such omission results in the forfeiture of substantive rights or defenses by the indemnifying party or to the extent the indemnifying party has been damaged or prejudiced thereby. If any such action is brought against any indemnified party and it notifies the indemnifying party of its commencement, the indemnifying party will be entitled to participate in and, to the extent that it elects by delivering written notice to the indemnified party promptly after receiving notice of the commencement of the action from the indemnified party, jointly with any other indemnifying party similarly notified, to assume the defense of the action, with counsel reasonably satisfactory to the indemnified party, and after notice from the indemnifying party to the indemnified party of

its election to assume the defense, the indemnifying party will not be liable to the indemnified party for any legal or other expenses incurred by the indemnified party, except as provided below. The indemnified party will have the right to employ its own counsel in any such action, but the fees, expenses and other charges of such counsel will be at the expense of such indemnified party unless (1) the employment of counsel by the indemnified party has been authorized in writing by the indemnifying party, (2) the indemnified party has reasonably concluded (based on advice of counsel) that there may be legal defenses available to it or other indemnified parties that are different from or in addition to those available to the indemnifying party, or (3) a conflict or potential conflict exists (based on advice of counsel to the indemnified party) between the indemnified party and the indemnifying party (in which case the indemnifying party will not have the right to direct the defense of such action on behalf of the indemnified party), in each of which cases the reasonable fees, disbursements and other charges of counsel will be at the expense of the indemnifying party or parties. It is understood that the indemnifying party or parties shall not, in connection with any proceeding or related proceedings in the same jurisdiction, be liable for the reasonable fees, disbursements and other charges of more than one separate firm admitted to practice in such jurisdiction at any one time for all such indemnified party or parties. All such fees, disbursements and other charges will be reimbursed by the indemnifying party promptly as they are incurred, subject to the indemnifying party's receipt of reasonably detailed documentation with respect to such fees, disbursements and other charges.

(d) So long as the indemnifying party is conducting the defense of the claim for liability in accordance with this Section 9, the indemnified party will reasonably cooperate with the indemnifying party's defense of such claim. The indemnified party will not consent to the entry of any judgment or enter into any settlement with respect to the claim without the prior written consent of the indemnifying party and an indemnifying party will not, in any event, be liable for any settlement of or entry of any judgment with respect to any action or claim effected without the indemnifying party's written consent. No indemnifying party shall, without the prior written consent of each indemnified party (which consent shall not be unreasonably withheld or delayed), settle or compromise or consent to the entry of any judgment in any pending or threatened claim, action or proceeding relating to the matters contemplated by this Section 9 (whether or not any indemnified party is a party thereto), unless such settlement, compromise or consent includes an unconditional release of each indemnified party from all liability arising or that may arise out of such claim, action or proceeding.

(e) Contribution. In order to provide for just and equitable contribution in circumstances in which the indemnification provided for in the foregoing paragraphs of this Section 9 is applicable in accordance with its terms but for any reason is held to be unavailable from the Company or HCW, the Company and HCW will contribute to the total losses, claims, liabilities, expenses and damages (including any investigative, legal and other expenses reasonably incurred in connection with, and any amount paid in settlement of, any action, suit or proceeding or any claim asserted, but after deducting any contribution received by the Company from persons other than HCW, such as persons who control the Company within the meaning of the Securities Act, officers of the Company who signed the Registration Statement and directors of the Company, who also may be liable for contribution) to which the Company and HCW may be subject in such proportion as shall be appropriate to reflect the relative benefits received by

the Company on the one hand and HCW on the other hand. Notwithstanding the foregoing, such obligation of contribution shall only apply if the parties seeking contribution complied in all respects with the conditions relative to indemnification set forth in Sections 9(c) and (d) above. The relative benefits received by the Company on the one hand and HCW on the other hand shall be deemed to be in the same proportion as the total Net Proceeds from the sale of the Placement Shares (before deducting expenses) received by the Company bear to the total compensation received by HCW (before deducting expenses) from the sale of Placement Shares on behalf of the Company. 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 of the Company, on the one hand, and HCW, on the other, with respect to the statements or omission that resulted in such loss, claim, liability, expense or damage, or action in respect thereof, as well as any other relevant equitable considerations with respect to such offering. Such relative fault shall be determined by reference to, among other things, whether the untrue or alleged untrue statement of a material fact or omission or alleged omission to state a material fact relates to information supplied by the Company or HCW, the intent of the parties and their relative knowledge, access to information and opportunity to correct or prevent such statement or omission. The Company and HCW agree that it would not be just and equitable if contributions pursuant to this Section 9(e) were to be determined by pro rata allocation or by any other method of allocation that does not take into account the equitable considerations referred to herein. The amount paid or payable by an indemnified party as a result of the loss, claim, liability, expense, or damage, or action in respect thereof, referred to above in this Section 9(e) shall be deemed to include, for the purpose of this Section 9(e), any legal or other expenses reasonably incurred by such indemnified party in connection with investigating or defending any such action or claim to the extent consistent with Section 9(c) hereof. Notwithstanding the foregoing provisions of this Section 9(e), HCW shall not be required to contribute any amount in excess of the commissions received by it under this Agreement and no person found guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the Securities Act) will be entitled to contribution from any person who was not guilty of such fraudulent misrepresentation. For purposes of this Section 9(e), any person who controls a party to this Agreement within the meaning of the Securities Act, and any officers, directors, partners, employees or agents of HCW, will have the same rights to contribution as that party, and each officer of the Company who signed the Registration Statement will have the same rights to contribution as the Company, subject in each case to the provisions hereof. Any party entitled to contribution, promptly after receipt of notice of commencement of any action against such party in respect of which a claim for contribution may be made under this Section 9(e), will notify any such party or parties from whom contribution may be sought, but the omission to so notify will not relieve that party or parties from whom contribution may be sought from any other obligation it or they may have under this Section 9(e) except to the extent that the failure to so notify such other party materially damaged such party or prejudiced the substantive rights or defenses of the party from whom contribution is sought. Except for a settlement entered into pursuant to the last sentence of Section 9(d) hereof, no party will be liable for contribution with respect to any action or claim settled without its written consent if such consent is required pursuant to Section 9(d) hereof.

10. Representations and Agreements to Survive Delivery. The indemnity and contribution agreements contained in Section 9 of this Agreement and all representations and

warranties of the Company herein or in certificates delivered pursuant hereto shall survive, as of their respective dates, regardless of (i) any investigation made by or on behalf of HCW, any controlling persons of HCW, or the Company (or any of their respective officers, directors or controlling persons), (ii) delivery and acceptance of the Placement Shares and payment therefor or (iii) any termination of this Agreement.

11. Termination.

(a) HCW shall have the right by giving written notice as hereinafter specified at any time to terminate this Agreement if (i) any Material Adverse Change, or any development that would reasonably be expected to result in a Material Adverse Change has occurred that, in the reasonable judgment of HCW, may materially impair the ability of HCW to sell the Placement Shares hereunder, (ii) the Company shall have failed, refused or been unable to perform any agreement on its part to be performed hereunder; *provided, however*, in the case of any failure of the Company to deliver (or cause another person to deliver) any certification, opinion, or letter required under Sections 7(m), (n) or (o), HCW's right to terminate shall not arise unless such failure to deliver (or cause to be delivered) continues for more than thirty (30) days from the date such delivery was required; (iii) any other condition of HCW's obligations hereunder is not fulfilled; or (iv), any suspension or limitation of trading in the Placement Shares or in securities generally on Exchange shall have occurred. Any such termination shall be without liability of any party to any other party except that the provisions of Section 7(g) (Expenses), Section 9 (Indemnification and Contribution), Section 10 (Representations and Agreements to Survive Delivery), Section 16 (Applicable Law; Consent to Jurisdiction) and Section 17 (Waiver of Jury Trial) hereof shall remain in full force and effect notwithstanding such termination. If HCW elects to terminate this Agreement as provided in this Section 11(a), HCW shall provide the required written notice as specified in Section 12 (Notices).

(b) The Company shall have the right, by giving ten (10) days' notice as hereinafter specified to terminate this Agreement in its sole discretion at any time after the date of this Agreement. Any such termination shall be without liability of any party to any other party except that the provisions of Section 7(g), Section 9, Section 10, Section 16 and Section 17 hereof shall remain in full force and effect notwithstanding such termination.

(c) HCW shall have the right, by giving ten (10) days' notice as hereinafter specified to terminate this Agreement in its sole discretion at any time after the date of this Agreement. Any such termination shall be without liability of any party to any other party except that the provisions of Section 7(g), Section 9, Section 10, Section 16 and Section 17 hereof shall remain in full force and effect notwithstanding such termination.

(d) Unless earlier terminated pursuant to this Section 11, this Agreement shall automatically terminate upon the issuance and sale of all of the Placement Shares through HCW on the terms and subject to the conditions set forth herein; *provided* that the provisions of Section 7(g), Section 9, Section 10, Section 16 and Section 17 hereof shall remain in full force and effect notwithstanding such termination.

(e) This Agreement shall remain in full force and effect unless terminated pursuant to Sections 11(a), (b), (c) or (d) above or otherwise by mutual agreement of the parties; *provided, however*, that any such termination by mutual agreement shall in all cases be deemed to provide that Section 7(g), Section 9, Section 10, Section 16 and Section 17 shall remain in full force and effect.

(f) Any termination of this Agreement shall be effective on the date specified in such notice of termination; *provided, however*, that such termination shall not be effective until the close of business on the date of receipt of such notice by HCW or the Company, as the case may be. If such termination shall occur prior to the Settlement Date for any sale of Placement Shares, such Placement Shares shall settle in accordance with the provisions of this Agreement.

12. **Notices.** All notices or other communications required or permitted to be given by any party to any other party pursuant to the terms of this Agreement shall be in writing, unless otherwise specified in this Agreement, and if sent to HCW, shall be delivered to HCW at H.C. Wainwright & Co. LLC, 430 Park Avenue, New York, NY 10022, email: atm@hcwco.com, Attention: Head of Investment Banking with a copy to Duane Morris LLP, 1037 Raymond Boulevard, Newark, NJ 07102, attention: Dean M. Colucci, e-mail [docolucci@duanemorris.com](mailto:docolucci@duanemorris.com); or if sent to the Company, shall be delivered to Savara Inc. Inc., 900 Capital of Texas Highway, Las Cimas IV, Suite 150, Austin, Texas 78746 attention: Rob Neville, e-mail: [rob.neville@savarapharma.com](mailto:rob.neville@savarapharma.com), with a copy to Wilson Sonsini Goodrich & Rosati Professional Corporation, 900 S. Capital of Texas Highway, Las Cimas IV, Fifth Floor, Austin, TX 78746-5546 , attention: Robert Suffoletta e-mail: [rsuffoletta@wsgr.com](mailto:rsuffoletta@wsgr.com). Each party to this Agreement may change such address for notices by sending to the parties to this Agreement written notice of a new address for such purpose. Each such notice or other communication shall be deemed given (i) when delivered personally, by email or by verifiable facsimile transmission (with an original to follow) on or before 4:30 p.m., New York City time, on a Business Day (as defined below), or, if such day is not a Business Day on the next succeeding Business Day, (ii) on the next Business Day after timely delivery to a nationally-recognized overnight courier, (iii) on the Business Day actually received if deposited in the U.S. mail (certified or registered mail, return receipt requested, postage prepaid) and (iv) if sent by e-mail, on the Business Day on which receipt is confirmed by the individual to whom the notice is sent, other than via auto-reply. For purposes of this Agreement, "**Business Day**" shall mean any day on which the Exchange and commercial banks in the City of New York are open for business.

An electronic communication ("**Electronic Notice**") shall be deemed written notice for purpose of this Section 12 if sent to the electronic mail address specified by the receiving party under separate cover. Electronic Notice shall be deemed to be received at the time the party sending Electronic Notice receives confirmation of receipt by the receiving party, other than via auto-reply. Any party receiving Electronic Notice may request and shall be entitled to receive the notice on paper, in a non-electronic form ("**Non-electronic Notice**") which shall be sent to the requesting party within ten (10) days of receipt of the written request for Non-electronic Notice.

13. **Successors and Assigns.** This Agreement shall inure to the benefit of and be binding upon the Company and HCW and their respective successors and the affiliates, controlling persons, officers and directors referred to in Section 9 hereof. References to any of the parties contained in this Agreement shall be deemed to include the successors and permitted assigns of such party. Nothing in this Agreement, express or implied, is intended to confer upon any party other than the parties hereto or their respective successors and permitted assigns any

rights, remedies, obligations or liabilities under or by reason of this Agreement, except as expressly provided in this Agreement. Neither party may assign its rights or obligations under this Agreement without the prior written consent of the other party; *provided, however*, that HCW may assign its rights and obligations hereunder to an affiliate of HCW without obtaining the Company's consent, so long as such affiliate is a registered broker-dealer.

14. Adjustments for Share Splits. The parties acknowledge and agree that all share-related numbers contained in this Agreement shall be adjusted to take into account any share split, share dividend or similar event effected with respect to the Common Stock.

15. Entire Agreement; Amendment; Severability. This Agreement (including all schedules and exhibits attached hereto and Placement Notices issued pursuant hereto) constitutes the entire agreement and supersedes all other prior and contemporaneous agreements and undertakings, both written and oral, among the parties hereto with regard to the subject matter hereof. Neither this Agreement nor any term hereof may be amended except pursuant to a written instrument executed by the Company and HCW. In the event that any one or more of the provisions contained herein, or the application thereof in any circumstance, is held invalid, illegal or unenforceable as written by a court of competent jurisdiction, then such provision shall be given full force and effect to the fullest possible extent that it is valid, legal and enforceable, and the remainder of the terms and provisions herein shall be construed as if such invalid, illegal or unenforceable term or provision was not contained herein, but only to the extent that giving effect to such provision and the remainder of the terms and provisions hereof shall be in accordance with the intent of the parties as reflected in this Agreement.

16. Applicable Law; Consent to Jurisdiction. This Agreement shall be governed by, and construed in accordance with, the internal laws of the State of New York without regard to the principles of conflicts of laws. Each party hereby irrevocably submits to the non-exclusive jurisdiction of the state and federal courts sitting in the City of New York, borough of Manhattan, for the adjudication of any dispute hereunder or in connection with any transaction contemplated hereby, and hereby irrevocably waives, and agrees not to assert in any suit, action or proceeding, any claim that it is not personally subject to the jurisdiction of any such court, that such suit, action or proceeding is brought in an inconvenient forum or that the venue of such suit, action or proceeding is improper. Each party hereby irrevocably waives personal service of process and consents to process being served in any such suit, action or proceeding by mailing a copy thereof (certified or registered mail, return receipt requested) 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 contained herein shall be deemed to limit in any way any right to serve process in any manner permitted by law.

17. Waiver of Jury Trial. The Company and HCW each hereby irrevocably waives any right it may have to a trial by jury in respect of any claim based upon or arising out of this Agreement or any transaction contemplated hereby.

18. Absence of Fiduciary Relationship. The Company acknowledges and agrees that:

(a) HCW has been retained solely to act as sales agent in connection with the sale of the Placement Shares and that no fiduciary, advisory or agency relationship between the Company and HCW has been created in respect of any of the transactions contemplated by this Agreement, irrespective of whether HCW has advised or is advising the Company on other matters;



(b) the Company is capable of evaluating and understanding and understands and accepts the terms, risks and conditions of the transactions contemplated by this Agreement;

(c) the Company has been advised that HCW and its affiliates are engaged in a broad range of transactions which may involve interests that differ from those of the Company and that HCW has no obligation to disclose such interests and transactions to the Company by virtue of any fiduciary, advisory or agency relationship; and

(d) the Company waives, to the fullest extent permitted by law, any claims it may have against HCW, for breach of fiduciary duty or alleged breach of fiduciary duty in connection with the sale of Placement Shares under this Agreement, and agrees that HCW shall have no liability (whether direct or indirect) to the Company in respect of such a fiduciary claim or to any person asserting a fiduciary duty claim on behalf of or in right of the Company, including stockholders, partners, employees or creditors of the Company.

19. Counterparts. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. Delivery of an executed Agreement by one party to the other may be made by facsimile or other electronic transmission.

**[Remainder of Page Intentionally Blank]**

If the foregoing correctly sets forth the understanding between the Company and HCW, please so indicate in the space provided below for that purpose, whereupon this letter shall constitute a binding agreement between the Company and HCW.

Very truly yours,

**SAVARA INC.**

By: /s/ David Lowrance  
Name: David Lowrance  
Title: Chief Financial Officer

**ACCEPTED as of the date  
first-above written:**

**H.C. WAINWRIGHT & CO., LLC**

By: /s/ Edward D. Silvera  
Name: Edward D. Silvera  
Title: COO

**FORM OF PLACEMENT NOTICE**

From: Savara Inc.  
To: H.C. Wainwright & Co., LLC  
Subject: At the Market Offering—Placement Notice  
Date: \_\_\_\_\_, 20\_\_

Gentlemen:

Pursuant to the terms and subject to the conditions contained in the Sales Agreement between Savara Inc. (the "Company"), and H.C. Wainwright & Co., LLC ("HCW") dated April 28, 2017 (the "Agreement"), I hereby request on behalf of the Company that HCW sell up to [ ] shares of the Company's common stock, par value \$0.001 per share, at a minimum market price of \$\_\_\_\_ per share. Sales should begin on the date of this Notice and shall continue until [DATE] [all shares are sold][the aggregate sales price of the shares reaches \$[ ]].

**Notice Parties**

The Company

Rob Neville                                 rob.neville@savarapharma.com  
Dave Lowrance                             dave.lowrance@savarapharma.com

HCW

Michael Vasinkevich                     mv@hcwco.com  
Craig Schwabe                            cs@hcwco.com  
Peter Fry                                  pfry@hcwco.com  
Charles Worthman                        csworthman@hcwco.com  
Norman Yun                               nyun@hcwco.com

With a copy to [atm@hcwco.com](mailto:atm@hcwco.com)

**Compensation**

HCW shall be paid compensation equal to 3.0% of the gross proceeds from the sales of Placement Shares pursuant to the terms of this Agreement.

**OFFICER CERTIFICATE**

The undersigned, the duly qualified and elected \_\_\_\_\_, of Savara Inc. ("**Company**"), a Delaware corporation, does hereby certify in such capacity and on behalf of the Company, pursuant to Section 7(m) of the Sales Agreement dated April 28, 2017 (the "**Sales Agreement**") between the Company and H.C. Wainwright & Co., LLC, that to the best of the knowledge of the undersigned:

(i) The representations and warranties of the Company in Section 6 of the Sales Agreement (A) to the extent such representations and warranties are subject to qualifications and exceptions contained therein relating to materiality or Material Adverse Change, are true and correct on and as of the date hereof with the same force and effect as if expressly made on and as of the date hereof, except for those representations and warranties that speak solely as of a specific date and which were true and correct as of such date, and (B) to the extent such representations and warranties are not subject to any qualifications or exceptions, are true and correct in all material respects as of the date hereof as if made on and as of the date hereof with the same force and effect as if expressly made on and as of the date hereof except for those representations and warranties that speak solely as of a specific date and which were true and correct in all material respects as of such date; and

(ii) The Company has complied with all agreements and satisfied all conditions on its part to be performed or satisfied pursuant to the Sales Agreement at or prior to the date hereof.

Capitalized terms used but not defined herein shall have the meanings ascribed to them in the Sales Agreement.

SAVARA INC.

By: \_\_\_\_\_  
Name:  
Title:

Date: