
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, D.C. 20549

**FORM S-8
REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933**

ENTEROMEDICS INC.
(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

48-1293684
(I.R.S. Employer
Identification No.)

**2800 Patton Road
St. Paul, MN 55113**
(Address, including zip code, of registrant's principal executive offices)

**ENTEROMEDICS INC. AMENDED AND RESTATED
2003 STOCK INCENTIVE PLAN**
(Full title of the plan)

**Greg S. Lea
Chief Financial Officer,
Chief Operating Officer and Secretary
EnteroMedics Inc.
2800 Patton Road
St. Paul, MN 55113
(651) 634-3003**
(Name, address and telephone number, including area code, of agent for service)

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

Large accelerated filer

Accelerated Filer

Non-accelerated filer (Do not check if a smaller reporting company)

Smaller Reporting Company

CALCULATION OF REGISTRATION FEE

Title of securities to be registered	Amount to be registered(1)	Proposed maximum offering price per share	Proposed maximum aggregate offering price	Amount of registration fee
Common Stock (\$0.01 par value per share)	7,500,000	\$1.86(2)	\$13,950,000(2)	\$1,797

- (1) Pursuant to Rule 416 under the Securities Act of 1933, as amended (the "Securities Act"), this Registration Statement also covers additional shares of EnteroMedics Inc. common stock that may become issuable in accordance with the adjustment and anti-dilution provisions of the EnteroMedics Inc. Amended and Restated 2003 Stock Incentive Plan.
- (2) Estimated solely for the purpose of determining the registration fee pursuant to Rule 457(h)(1) and (c) under the Securities Act, based on the average of the high and low sale prices of EnteroMedics Inc.'s common stock as reported on the NASDAQ Capital Market on June 9, 2014.

EXPLANATORY NOTE

This Registration Statement on Form S-8 of EnteroMedics Inc. (the "Company") is being filed pursuant to General Instruction E to Form S-8 under the Securities Act of 1933, as amended, to register an additional 7,500,000 shares of common stock, par value \$0.01 per share, of the Company issuable pursuant to the Company's 2003 Amended and Restated Stock Incentive Plan. These additional shares were authorized by an amendment to the Amended and Restated 2003 Stock Incentive Plan, which was approved by the stockholders at the Company's annual meeting of stockholders on May 7, 2014. The remaining shares of common stock issuable under the Company's Amended and Restated 2003 Stock Incentive Plan have been previously registered by Registration Statements on Form S-8 (Registration Nos. 333-149662, 333-159592, 333-171244, 333-176174 and 333-184181), which registration statements are hereby incorporated by reference.

PART II

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 3. Incorporation of Documents by Reference.

The following documents and information, which EnteroMedics Inc. (the "Company") has filed with the Securities and Exchange Commission ("SEC"), are hereby incorporated by reference into this Registration Statement on Form S-8:

1. The Company's Annual Report on Form 10-K for the year ended December 31, 2013;
2. The Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2014;
3. The Company's Current Reports on Form 8-K filed with the SEC on February 12, 2014 (only with respect to Item 8.01), March 10, 2014, May 8, 2014 and May 13, 2014; and
4. The description of the Company's common stock contained in its Registration Statement on Form 8-A filed with the SEC on November 8, 2007, including any amendment or report filed for the purpose of updating such description.

All documents filed by the Company pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Securities Exchange Act of 1934, as amended, (excluding any portions thereof furnished under Items 2.02 or 7.01 of Form 8-K) subsequent to the date hereof and prior to the filing of a post-effective amendment which indicates that all securities offered hereby have been sold or which deregisters all securities remaining unsold shall be deemed to be incorporated by reference herein and to be a part hereof from the respective dates of filing of such documents.

Item 8. Exhibits.

- 4.1 Amended and Restated 2003 Stock Incentive Plan.
- 5.1 Opinion of Dorsey & Whitney LLP.
- 23.1 Consent of Deloitte & Touche LLP, Independent Registered Public Accounting Firm.
- 23.2 Consent of Dorsey & Whitney LLP (included in Exhibit 5.1 to this Registration Statement).
- 24.1 Power of Attorney (included on signature page to this Registration Statement).

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized in the City of St. Paul, State of Minnesota, on the 10th day of June, 2014.

ENTEROMEDICS INC.

By: /s/ Mark B. Knudson, Ph.D.
Mark B. Knudson, Ph.D.
President and Chief Executive Officer

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below hereby constitutes and appoints Mark B. Knudson and Greg S. Lea, and each of them, his true and lawful attorneys-in-fact and agents, each acting alone, with the powers of substitution and revocation, for him and in his name, place and stead, in any and all capacities, to sign a Registration Statement on Form S-8, and any and all amendments (including post-effective amendments) thereto, relating to the issuance of shares of common stock of EnteroMedics Inc. pursuant to the EnteroMedics Inc. Amended and Restated 2003 Stock Incentive Plan and to file the same, with all exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, granting unto such attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite or necessary to be done in and about the premises, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming that all such attorneys-in-fact and agents or any of them, or their substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

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

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Mark B. Knudson, Ph.D.</u> Mark B. Knudson, Ph.D.	President and Chief Executive Officer, Chairman and Director (principal executive officer)	June 10, 2014
<u>/s/ Greg S. Lea</u> Greg S. Lea	Senior Vice President, Chief Financial Officer and Chief Operating Officer (principal financial and accounting officer)	June 10, 2014
<u>/s/ Luke Evnin, Ph.D.</u> Luke Evnin, Ph.D.	Director	June 10, 2014
<u>/s/ Catherine Friedman</u> Catherine Friedman	Director	June 10, 2014
<u>/s/ Carl Goldfischer, M.D.</u> Carl Goldfischer, M.D.	Director	June 10, 2014
<u>/s/ Bobby I. Griffin</u> Bobby I. Griffin	Director	June 10, 2014

/s/ Anthony P. Jansz
Anthony P. Jansz

Director

June 10, 2014

/s/ Nicholas L. Teti, Jr.
Nicholas L. Teti, Jr.

Director

June 10, 2014

/s/ Jon T. Tremmel
Jon T. Tremmel

Director

June 10, 2014

EXHIBIT INDEX

<u>Exhibit No.</u>	<u>Description</u>
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ENTEROMEDICS INC.
AMENDED AND RESTATED 2003 STOCK INCENTIVE PLAN

Adopted: October 1, 2003
Amended and Restated: May 7, 2014

Section 1. Purpose.

The purpose of the Plan is to aid in attracting and retaining employees, management personnel, other personnel and Non-Employee Directors capable of assuring the future success of the Company, to offer such personnel and Non-Employee Directors incentives to put forth maximum efforts for the success of the Company's business and to afford such personnel and Non-Employee Directors an opportunity to acquire a proprietary interest in the Company.

Section 2. Definitions.

As used in the Plan, the following terms shall have the meanings set forth below:

(a) "*Affiliate*" shall mean (i) any entity that, directly or indirectly through one or more intermediaries, is controlled by the Company and (ii) any entity in which the Company has a significant equity interest, in each case as determined by the Committee.

(b) "*Award*" shall mean any Option, Stock Appreciation Right, Restricted Stock, Restricted Stock Unit, Performance Award, Dividend Equivalent, Other Stock Grant or Other Stock-Based Award granted under the Plan.

(c) "*Award Agreement*" shall mean any written agreement, contract or other instrument or document evidencing any Award granted under the Plan.

(d) "*Board*" shall mean the Board of Directors of the Company.

(e) "*Change in Control*" shall have the meaning ascribed to such term in an Award Agreement, or any other applicable employment or change in control agreement between the Participant and the Company; provided, however, that no Award Agreement shall contain a definition of change in control that has the effect of accelerating the exercisability of any Award or the lapse of restrictions relating to any Award upon only the announcement or stockholder approval of (rather than consummation of) any reorganization, merger or consolidation of, or sale or other disposition of all or substantially all of the assets of, the Company.

(f) "*Code*" shall mean the Internal Revenue Code of 1986, as amended from time to time, and any regulations promulgated thereunder.

(g) "*Committee*" shall mean either the Board or a committee of the Board appointed by the Board to administer the Plan.

(h) "*Company*" shall mean EnteroMedics Inc., a Delaware corporation, and any successor corporation.

(i) "*Director*" shall mean a member of the Board.

(j) "*Dividend Equivalent*" shall mean any right granted under Section 6(e) of the Plan.

(k) "*Eligible Person*" shall mean any employee, officer, consultant, independent contractor or Non-Employee Director providing services to the Company or any Affiliate whom the Committee determines to be an Eligible Person.

(l) “*Exchange Act*” shall mean the Securities Exchange Act of 1934, as amended.

(m) “*Fair Market Value*” shall mean, with respect to any property (including, without limitation, any Shares or other securities), the fair market value of such property determined by such methods or procedures as shall be established from time to time by the Committee. Notwithstanding the foregoing, unless otherwise determined by the Committee, the Fair Market Value of Shares on a given date for purposes of the Plan shall not be less than (i) the closing price as reported for composite transactions, if the Shares are then listed on a national securities exchange, (ii) the last sale price, if the Shares are then quoted on the NASDAQ Stock Market or (iii) the average of the closing representative bid and asked prices of the Shares in all other cases, on the date as of which fair market value is being determined. If on a given date the Shares are not traded in an established securities market, the Committee shall make a good faith attempt to satisfy the requirements of this clause and in connection therewith shall take such action as it deems necessary or advisable.

(n) “*Incentive Stock Option*” shall mean an option granted under Section 6(a) of the Plan that is intended to meet the requirements of Section 422 of the Code or any successor provision.

(o) “*Non-Employee Directors*” shall mean members of the Board who are also not employees of the Company.

(p) “*Non-Qualified Stock Option*” shall mean an option granted under Section 6(a) of the Plan that is not intended to be an Incentive Stock Option.

(q) “*Option*” shall mean an Incentive Stock Option or a Non-Qualified Stock Option.

(r) “*Other Stock Grant*” shall mean any right granted under Section 6(f) of the Plan.

(s) “*Other Stock-Based Award*” shall mean any right granted under Section 6(g) of the Plan.

(t) “*Participant*” shall mean an Eligible Person designated to be granted an Award under the Plan.

(u) “*Performance Award*” shall mean any right granted under Section 6(d) of the Plan.

(v) “*Performance Goal*” shall mean one or more of the following performance goals, either individually, alternatively or in any combination: sales, revenue, costs, expenses, earnings (including one or more of net profit after tax, gross profit, operating profit, earnings before interest and taxes (“EBIT”), earnings before interest, taxes, depreciation and amortization (“EBITDA”) and net earnings), EBIT or EBITDA as a percent of net sales, earnings per share (basic or diluted), earnings per share from continuing operations, operating income, pre-tax income, operating income margin, net income, margins (including one or more of gross, operating and net income margins), ratios (including one or more of price to earnings, debt to assets, debt to net assets and ratios regarding liquidity, solvency, fiscal capacity, productivity or risk), returns (including one or more of return on actual or proforma assets, net assets, equity, investment, capital and net capital employed), stockholder return (including total stockholder return relative to an index or peer group), stock price, market capitalization, cash generation, cash flow (including, without limitation, operating cash flow, free cash flow and cash flow return on equity), unit volume, working capital, market share, cost reductions, budget comparisons, sales or profitability of an identifiable business unit or product, economic profit or value added, number of customers, workforce satisfaction and diversity goals, environmental health and safety goals, employee retention, customer satisfaction, implementation or completion of key projects and strategic plan development and implementation. Such goals may reflect absolute entity or business unit performance or a relative comparison to the performance of a peer group of entities or other external measure of the selected performance criteria. The foregoing measures may relate to the Company, one or more of its subsidiaries or one or more of its divisions or units, product lines or product categories or any combination of the foregoing. To the extent consistent with Section 162(m), the Committee may, when it establishes performance criteria, also provide for the adjustment for charges related to

an event or occurrence which the Committee determines is appropriate for adjustment, including, but not limited to, any of the following events: asset write-downs; litigation or claim judgments or settlements; changes in tax law, accounting principles or other such laws or provisions affecting reported results; severance, contract termination and other costs related to exiting certain business activities; acquisitions; gains or losses from the disposition of businesses or assets or from the early extinguishment of debt; and unusual, extraordinary or nonrecurring events.

(w) “*Person*” shall mean any individual or entity, including a corporation, partnership, limited liability company, association, joint venture or trust.

(x) “*Plan*” shall mean the EnteroMedics Inc. Amended and Restated 2003 Stock Incentive Plan, as amended from time to time.

(y) “*Restricted Stock*” shall mean any Shares granted under Section 6(c) of the Plan.

(z) “*Restricted Stock Unit*” shall mean any unit granted under Section 6(c) of the Plan evidencing the right to receive a Share (or a cash payment equal to the Fair Market Value of a Share) at some future date.

(aa) “*Rule 16b-3*” shall mean Rule 16b-3 promulgated by the Securities and Exchange Commission under the Exchange Act or any successor rule or regulation.

(bb) “*Section 162(m)*” shall mean Section 162(m) of the Code, or any successor provision, and the applicable Treasury Regulations promulgated thereunder.

(cc) “*Section 409A*” shall mean Section 409A of the Code, or any successor provision and the applicable Treasury Regulations and other applicable guidance thereunder.

(dd) “*Securities Act*” shall mean the Securities Act of 1933, as amended.

(ee) “*Share*” or “*Shares*” shall mean shares of Common Stock, \$0.01 par value, of the Company or such other securities or property as may become subject to Awards pursuant to an adjustment made under Section 4(c) of the Plan.

(ff) “*Specified Employee*” shall mean a specified employee as defined in Section 409A(a)(2)(B) of the Code or applicable proposed or final regulations under Section 409A, determined in accordance with procedures established by the Company and applied uniformly with respect to all plans maintained by the Company that are subject to Section 409A.

(gg) “*Stock Appreciation Right*” shall mean any right granted under Section 6(b) of the Plan.

Section 3. Administration.

(a) Power and Authority of the Committee. The Plan shall be administered by the Committee. Subject to the express provisions of the Plan and to applicable law, the Committee shall have full power and authority to: (i) designate Participants; (ii) determine the type or types of Awards to be granted to each Participant under the Plan; (iii) determine the number of Shares to be covered by (or with respect to which payments, rights or other matters are to be calculated in connection with) each Award; (iv) determine the terms and conditions of any Award or Award Agreement; (v) amend the terms and conditions of any Award or Award Agreement and accelerate the exercisability of Options or the lapse of restrictions relating to Restricted Stock, Restricted Stock Units or other Awards; (vi) determine whether, to what extent and under what circumstances Awards may be exercised in cash, Shares, other securities, other Awards or other property, or canceled, forfeited or suspended; (vii) determine whether, to what extent and under what circumstances cash, Shares, other securities, other

Awards, other property and other amounts payable with respect to an Award under the Plan shall be deferred either automatically or at the election of the holder thereof or the Committee; (viii) interpret and administer the Plan and any instrument or agreement relating to, or Award made under, the Plan; (ix) establish, amend, suspend or waive such rules and regulations and appoint such agents as it shall deem appropriate for the proper administration of the Plan; and (x) make any other determination and take any other action that the Committee deems necessary or desirable for the administration of the Plan. Unless otherwise expressly provided in the Plan, all designations, determinations, interpretations and other decisions under or with respect to the Plan or any Award shall be within the sole discretion of the Committee, may be made at any time and shall be final, conclusive and binding upon any Participant, any holder or beneficiary of any Award.

(b) Delegation. The Committee may delegate its powers and duties under the Plan to one or more officers or Directors of the Company or any Affiliate or a committee of such officers or Directors, subject to such terms, conditions and limitations as the Committee may establish in its sole discretion; *provided, however*, that the Committee shall not delegate such authority (i) with regard to grants of Awards to be made to officers or directors of the Company or any Affiliate who are subject to Section 16 of the Exchange Act, (ii) in such a manner as would cause the Plan not to comply with the requirements of Section 162(m) or (iii) in such a manner as would contravene Section 157 of the Delaware General Corporation Law.

Section 4. Shares Available for Awards.

(a) Shares Available. Subject to adjustment as provided in Section 4(c), the aggregate number of Shares that may be issued under all Awards under the Plan from its inception shall be 19,800,000. If any Shares covered by an Award or to which an Award relates are not purchased or are forfeited, or if an Award otherwise terminates without delivery of any Shares, then the number of Shares counted against the aggregate number of Shares available under the Plan with respect to such Award, to the extent of any such forfeiture or termination, shall again be available for granting Awards under the Plan. Notwithstanding the foregoing, the number of Shares available for granting Incentive Stock Options under the Plan shall not exceed 19,800,000, subject to adjustment as provided in the Plan and Section 422 or 424 of the Code or any successor provision.

(b) Accounting for Awards. For purposes of this Section 4, if an Award entitles the holder thereof to receive or purchase Shares, the number of Shares covered by such Award or to which such Award relates shall be counted on the date of grant of such Award against the aggregate number of Shares available for granting Awards under the Plan.

(c) Adjustments. In the event that the Committee shall determine that any dividend or other distribution (whether in the form of cash, Shares, other securities or other property), recapitalization, stock split, reverse stock split, reorganization, merger, consolidation, split-up, spin-off, combination, repurchase or exchange of Shares or other securities of the Company, issuance of warrants or other rights to purchase Shares or other securities of the Company or other similar corporate transaction or event affects the Shares such that an adjustment is necessary in order to prevent dilution or enlargement of the benefits or potential benefits intended to be made available under the Plan, then the Committee shall, in such manner as it may deem equitable, adjust any or all of (i) the number and type of Shares (or other securities or other property) that thereafter may be made the subject of Awards, (ii) the number and type of Shares (or other securities or other property) subject to outstanding Awards and (iii) the purchase or exercise price with respect to any Award; provided, however, that the number of Shares covered by any Award or to which such Award relates shall always be a whole number.

(d) Award Limitations under the Plan.

(i) Section 162(m) Limitation for Certain Types of Awards. No Eligible Person that may be a “covered person” within the meaning of Section 162(m) may be granted Options, Stock Appreciation Rights or any other Award or Awards under the Plan, the value of which Award or Awards is based solely on an increase in the value of the Shares after the date of grant of such Award or Awards, and which is intended to represent “qualified performance-based compensation” within the meaning of Section 162(m), for more than 2,000,000 Shares or, if such Award is payable in cash, for an amount greater than the Fair Market Value of 2,000,000 Shares at the time of payment (subject, in each case, to adjustment as provided for in Section 4(c) of the Plan) in the aggregate in any calendar year.

(ii) Section 162(m) Limitations for Performance Awards.

(A) Performance Awards Denominated in Shares. No Eligible Person that may be a “covered person” within the meaning of Section 162(m) may be granted Awards denominated in Shares under the Plan which are intended to represent “qualified performance-based compensation” within the meaning of Section 162(m) (including, without limitation, Performance Awards, Restricted Stock and Restricted Stock Units), for more than 2,000,000 Shares (subject to adjustment as provided for in Section 4(c) of the Plan) in the aggregate in any calendar year. The limitation contained in this Section 4(d)(ii)(A) does not apply to any Award subject to the limitations contained in Section 4(d)(i) or Section 4(d)(ii)(B).

(B) Performance Awards Denominated in Cash. The maximum amount payable pursuant to all Performance Awards denominated in cash under the Plan which are intended to represent “qualified performance-based compensation” within the meaning of Section 162(m) to any Participant that may be a “covered person” within the meaning of Section 162(m) in the aggregate in any calendar year shall be \$10,000,000 in value, whether payable in cash, Shares or other property. The limitation contained in this Section 4(d)(ii)(B) does not apply to any Award subject to the limitations contained in Section 4(d)(i) or Section 4(d)(ii)(A).

(iii) Limitation for Awards to Consultants and Advisors. Awards will only be granted to consultants or advisors in compliance with Rule 405 of the Securities Act.

(iv) The limitations contained in this Section 4(d) shall apply only with respect to Awards granted under this Plan, and limitations on awards granted under any other stockholder approved executive incentive plan maintained by the Company will be governed solely by the terms of such other plan.

Section 5. Eligibility.

Any Eligible Person of the Company or any Affiliate, shall be eligible to be designated a Participant. In determining which Eligible Persons shall receive an Award and the terms of any Award, the Committee may take into account the nature of the services rendered by the respective Eligible Persons, their present and potential contributions to the success of the Company or such other factors as the Committee, in its discretion, shall deem relevant. Notwithstanding the foregoing, an Incentive Stock Option may only be granted to full or part-time employees (which term as used herein includes, without limitation, officers and directors who are also employees), and an Incentive Stock Option shall not be granted to an employee of an Affiliate unless such Affiliate is also a “subsidiary corporation” of the Company within the meaning of Section 424(f) of the Code or any successor provision.

Section 6. Awards.

(a) Options. The Committee is hereby authorized to grant Options to Participants with the following terms and conditions and with such additional terms and conditions not inconsistent with the provisions of the Plan as the Committee shall determine:

(i) Exercise Price. The purchase price per Share purchasable under an Option shall be determined by the Committee and shall not be less than 100% of the Fair Market Value of a Share on the date of grant of such Option; *provided, however*, that the Committee may designate a purchase price below Fair Market Value on the date of grant (A) to the extent necessary or appropriate, as determined by the Committee, to satisfy applicable legal or regulatory requirements of a foreign jurisdiction or (B) if the Option is granted in substitution for a stock option previously granted by an entity that is acquired by or merged with the Company or an Affiliate.

(ii) Option Term. The term of each Option shall be fixed by the Committee; provided, however, that the term of an Incentive Stock Option may not extend more than ten years from the date of grant of such Incentive Stock Option.

(iii) Time and Method of Exercise. The Committee shall determine the time or times at which an Option may be exercised in whole or in part and the method or methods by which, and the form or forms (including, without limitation, cash, Shares, other securities, other Awards or other property, or any combination thereof, having a Fair Market Value on the exercise date equal to the applicable exercise price) in which, payment of the exercise price with respect thereto may be made or deemed to have been made. Alternatively, the Committee may, in its discretion, permit a Non-Qualified Stock Option (but not an Incentive Stock Option) to be exercised by delivering to the Participant a number of Shares having an aggregate Fair Market Value (determined as of the date of exercise) equal to the excess, if positive, of the Fair Market Value of the Shares underlying the Non-Qualified Stock Option being exercised, on the date of exercise, over the exercise price of the Non-Qualified Stock Option for such Shares.

(iv) Incentive Stock Options. Notwithstanding anything in the Plan to the contrary, the following additional provisions shall apply to the grant of Options which are intended to qualify as Incentive Stock Options:

(A) The Committee will not grant Incentive Stock Options in which the aggregate Fair Market Value (determined as of the time the Option is granted) of the Shares with respect to which Incentive Stock Options are exercisable for the first time by any Participant during any calendar year (under this Plan and all other plans of the Company and its Affiliates) shall exceed \$100,000.

(B) All Incentive Stock Options must be granted within 10 years from the earlier of the date on which this Plan was adopted by the Board or the date this Plan was approved by the stockholders of the Company.

(C) Unless sooner exercised, all Incentive Stock Options shall expire and no longer be exercisable no later than 10 years after the date of grant; *provided, however*, that in the case of a grant of an Incentive Stock Option to a Participant who, at the time such Option is granted, owns (within the meaning of Section 422 of the Code) stock possessing more than 10% of the total combined voting power of all classes of stock of the Company or of its Affiliate, such Incentive Stock Option shall expire and no longer be exercisable no later than five years from the date of grant.

(D) The purchase price per Share for an Incentive Stock Option shall be not less than 100% of the Fair Market Value of a Share on the date of grant of the Incentive Stock Option; *provided, however*, that, in the case of the grant of an Incentive Stock Option to a Participant who, at the time such Option is granted, owns (within the meaning of Section 422 of the Code) stock possessing more than 10% of the total combined voting power of all classes of stock of the Company or of its Affiliate, the purchase price per Share purchasable under an Incentive Stock Option shall be not less than 110% of the Fair Market Value of a Share on the date of grant of the Incentive Stock Option.

(E) Any Incentive Stock Option authorized under the Plan shall contain such other provisions as the Committee shall deem advisable, but shall in all events be consistent with and contain all provisions required in order to qualify the Option as an Incentive Stock Option.

(b) Stock Appreciation Rights. The Committee is hereby authorized to grant Stock Appreciation Rights to Participants subject to the terms of the Plan and any applicable Award Agreement. A Stock Appreciation Right granted under the Plan shall confer on the holder thereof a right to receive upon exercise thereof the excess of (i) the Fair Market Value of one Share on the date of exercise (or, if the Committee shall so determine, at any time during a specified period before or after the date of exercise) over (ii) the grant price of the Stock Appreciation Right as specified by the Committee, which price shall not be less than 100% of the Fair Market Value of one Share on the date of grant of the Stock Appreciation Right. Subject to the terms of the Plan and any applicable Award Agreement, the grant price, term, methods of exercise, dates of exercise, methods of settlement and any other terms and conditions of any Stock Appreciation Right shall be as determined by the Committee. The Committee may impose such conditions or restrictions on the exercise of any Stock Appreciation Right as it may deem appropriate.

(c) Restricted Stock and Restricted Stock Units. The Committee is hereby authorized to grant Restricted Stock and Restricted Stock Units to Participants with the following terms and conditions and with such additional terms and conditions not inconsistent with the provisions of the Plan as the Committee shall determine:

(i) Restrictions. Shares of Restricted Stock and Restricted Stock Units shall be subject to such restrictions as the Committee may impose (including, without limitation, a waiver by the Participant of the right to vote or to receive any dividend or other right or property with respect thereto), which restrictions may lapse separately or in combination at such time or times, in such installments or otherwise as the Committee may deem appropriate.

(ii) Stock Certificates. Any Restricted Stock shall be registered in the name of the Participant and shall bear an appropriate legend referring to the terms, conditions and restrictions applicable to such Restricted Stock. In the case of Restricted Stock Units, no Shares shall be issued at the time such Awards are granted.

(iii) Forfeiture. Except as otherwise determined by the Committee, upon termination of employment (as determined under criteria established by the Committee) during the applicable restriction period, all Shares of Restricted Stock and all Restricted Stock Units at such time subject to restriction shall be forfeited and reacquired by the Company at the original purchase price; provided, however, that the Committee may, when it finds that a waiver would be in the best interest of the Company, waive in whole or in part any or all remaining restrictions with respect to Shares of Restricted Stock or Restricted Stock Units. Upon the lapse or waiver of restrictions and the restricted period relating to Restricted Stock Units evidencing the right to receive Shares, such Shares shall be issued and delivered to the holders of the Restricted Stock Units.

(d) Performance Awards. The Committee is hereby authorized to grant Performance Awards to Participants subject to the terms of the Plan and any applicable Award Agreement. A Performance Award granted under the Plan (i) may be denominated or payable in cash, Shares (including, without limitation, Restricted Stock and Restricted Stock Units), other securities, other Awards or other property and (ii) shall confer on the holder thereof the right to receive payments, in whole or in part, upon the achievement of such Performance Goals during such performance periods as the Committee shall establish. Subject to the terms of the Plan and any applicable Award Agreement, the Performance Goals to be achieved during any performance period, the length of any performance period, the amount of any Performance Award granted, the amount of any payment or transfer to be made pursuant to any Performance Award and any other terms and conditions of any Performance Award shall be determined by the Committee.

(e) Dividend Equivalents. The Committee is hereby authorized to grant Dividend Equivalents to Participants, subject to the terms of the Plan and any applicable Award Agreement, under which such Participants shall be entitled to receive payments (in cash, Shares, other securities, other Awards or other property as determined in the discretion of the Committee) equivalent to the amount of cash dividends paid by the Company to holders of Shares with respect to a number of Shares determined by the Committee. Notwithstanding the foregoing, (i) the Committee may not grant Dividend Equivalents to Eligible Persons in connection with grants of Options or Stock Appreciation Rights to such Eligible Persons, and (ii) no Dividend Equivalent payments shall be made to a Participant with respect to any Award prior to the date on which all conditions or restrictions relating to such Award (or portion thereof to which the Dividend Equivalent relates) have been satisfied, waived or lapsed.

(f) Other Stock Grants. The Committee is hereby authorized, subject to the terms of the Plan and any applicable Award Agreement, to grant to Participants Shares without restrictions thereon as are deemed by the Committee to be consistent with the purpose of the Plan.

(g) Other Stock-Based Awards. The Committee is hereby authorized to grant to Participants subject to the terms of the Plan and any applicable Award Agreement, such other Awards that are denominated or payable in, valued in whole or in part by reference to, or otherwise based on or related to, Shares (including, without limitation, securities convertible into Shares), as are deemed by the Committee to be consistent with the purpose of the Plan. Shares or other securities delivered pursuant to a purchase right granted under this Section 6(g) shall be purchased for such consideration, which may be paid by such method or methods and in such form or forms (including, without limitation, cash, Shares, other securities, other Awards or other property or any combination thereof), as the Committee shall determine.

(h) General.

(i) No Cash Consideration for Awards. Awards shall be granted for no cash consideration or for such minimal cash consideration as may be required by applicable law.

(ii) Awards May Be Granted Separately or Together. Awards may, in the discretion of the Committee, be granted either alone or in addition to, in tandem with or in substitution for any other Award or any award granted under any plan of the Company or any Affiliate other than the Plan. Awards granted in addition to or in tandem with other Awards or in addition to or in tandem with awards granted under any such other plan of the Company or any Affiliate may be granted either at the same time as or at a different time from the grant of such other Awards or awards.

(iii) Forms of Payment under Awards. Subject to the terms of the Plan and of any applicable Award Agreement, payments or transfers to be made by the Company or an Affiliate upon the grant, exercise or payment of an Award may be made in such form or forms as the Committee shall determine (including, without limitation, cash, Shares, other securities, other Awards or other property or any combination thereof), and may be made in a single payment or transfer, in installments or on a deferred basis, in each case in accordance with rules and procedures established by the Committee. Such rules and procedures may include, without limitation, provisions for the payment or crediting of reasonable interest on installment or deferred payments or the grant or crediting of Dividend Equivalents with respect to installment or deferred payments.

(iv) Limits on Transfer of Awards. Except as provided by the Committee or by this Plan, any Award (other than Stock Awards) and any right under any such Award shall not be transferable by a Participant other than by will or by the laws of descent and distribution or by transfer of an Award back to the Company. Notwithstanding the immediately preceding sentence, Awards of Incentive Stock Options shall not be transferable by a Participant other than by will or by the laws of descent and distribution. The Committee may establish procedures as it deems appropriate for a Participant to designate a Person or Persons, as beneficiary or beneficiaries, to exercise the rights of the Participant and receive any property distributable with respect to any Award in the event of the Participant's death. The Committee, in its discretion and subject to such additional terms and conditions as it determines, may permit a Participant to transfer a Non-Qualified Stock Option to any "family member" (as defined in the General Instructions to Form S-8 (or any successor to such Instructions or such Form) under the Securities Act) at any time that such Participant holds such Option, provided that such transfers may not be for "value" (as defined in the General Instructions to Form S-8 (or any successor to such Instructions or such Form) under the Securities Act) and the family member may not make any subsequent transfers other than by will or by the laws of descent and distribution. Each Award under the Plan or right under any such Award shall be exercisable during the Participant's lifetime only by the Participant (except as provided herein or in an Award Agreement or amendment thereto relating to a Non-Qualified Stock Option) or, if permissible under applicable law, by the Participant's guardian or legal representative. No Award (other than a Stock Award) or right under any such Award may be pledged, alienated, attached or otherwise encumbered, and any purported pledge, alienation, attachment or encumbrance thereof shall be void and unenforceable against the Company or any Affiliate.

(v) Term of Awards. The term of each Award shall be for such period as may be determined by the Committee.

(vi) Restrictions; Securities Exchange Listing. All Shares or other securities delivered under the Plan pursuant to any Award or the exercise thereof shall be subject to such restrictions as the Committee may deem advisable under the Plan, and to any applicable federal or state securities laws and regulatory requirements. The Committee may cause appropriate entries to be made or legends to be affixed to reflect such restrictions. If the Shares or other securities are listed on a securities exchange, the Company shall not be required to deliver any Shares or other securities covered by an Award until such Shares or other securities have been listed on such securities exchange.

(vii) Section 409A Provisions. Notwithstanding anything in the Plan or any Award Agreement to the contrary, to the extent that any amount or benefit that constitutes “deferred compensation” to a Participant under Section 409A and applicable guidance thereunder is otherwise payable or distributable to a Participant under the Plan or any Award Agreement solely by reason of the occurrence of a Change in Control or due to the Participant’s disability or “separation from service” (as defined under Section 409A), such amount or benefit will not be payable or distributable to the Participant by reason of such circumstance unless the Committee determines in good faith that (i) the circumstances giving rise to such Change in Control, disability or separation from service meet the definition of a change in ownership or control, disability or separation from service, as the case may be, in Section 409A(a)(2)(A) of the Code and applicable proposed or final regulations, or (ii) the payment or distribution of such amount or benefit would be exempt from the application of Section 409A by reason of the short-term deferral exemption or otherwise. Any payment or distribution that otherwise would be made to a Participant who is a Specified Employee (as determined by the Committee in good faith) on account of separation from service may not be made before the date which is six months after the date of the Specified Employee’s separation from service (or if earlier, upon the Specified Employee’s death) unless the payment or distribution is exempt from the application of Section 409A by reason of the short-term deferral exemption or otherwise.

Section 7. Amendment and Termination; Adjustments.

Except to the extent prohibited by applicable law and unless otherwise expressly provided in an Award Agreement or in the Plan:

(a) Amendments to the Plan. The Board may amend, alter, suspend, discontinue or terminate the Plan; provided, however, that, notwithstanding any other provision of the Plan or any Award Agreement, without the approval of the stockholders of the Company, no such amendment, alteration, suspension, discontinuation or termination shall be made that, absent such approval:

(i) if a class of the Company’s securities is then listed on a securities exchange, would cause Rule 16b-3 or the provisions of Section 162(m)(4)(c) of the Code to become unavailable with respect to the Plan;

(ii) would violate the rules or regulations of the NASDAQ Stock Market, any other securities exchange or the Financial Industry Regulatory Authority, Inc. that are applicable to the Company; or

(iii) would cause the Company to be unable, under the Code, to grant Incentive Stock Options under the Plan.

(b) Amendments to Awards. Except as otherwise expressly provided in the Plan, the Committee may waive any conditions of or rights of the Company under any outstanding Award, prospectively or retroactively. Except as otherwise expressly provided in the Plan (specifically including the next two sentences hereof), the Committee may amend, alter, suspend, discontinue or terminate any outstanding Award, prospectively or retroactively, but no such action may adversely affect the rights of the holder of such Award without the consent of the Participant or holder or beneficiary thereof. If any provision of the Plan or an Award Agreement would result in adverse tax consequences under Section 409A, the Committee may amend that provision (or take any other action reasonably necessary) to avoid any adverse tax results and no action taken to comply with Section 409A shall be deemed to impair or otherwise adversely affect the rights of any holder of an Award or beneficiary thereof. In the event of any reorganization, merger, consolidation, split-up, spin-off, combination, repurchase or exchange of Shares or other securities of the Company or any other similar corporate transaction or event involving the Company (or the Company shall enter into a written agreement to undergo such a transaction or event), the Committee or the Board may, in its sole discretion, provide for any of the following to be effective upon the consummation of the event (or effective immediately prior to the consummation of the event, provided that the consummation of the event subsequently occurs):

(i) either (A) termination of any such Award, whether or not vested, in exchange for an amount of cash and/or other property, if any, equal to the amount that would have been attained upon the exercise of such Award or realization of the Participant’s rights (and, for the avoidance of doubt, if, as of the date of the occurrence of the transaction or event described in this Section 7(b)(i)(A), the Committee or the Board

determines in good faith that no amount would have been attained upon the exercise of such Award or realization of the Participant's rights, then such Award may be terminated by the Company without any payment) or (B) the replacement of such Award with other rights or property selected by the Committee or the Board, in its sole discretion;

(ii) that such Award be assumed by the successor or survivor corporation, or a parent or subsidiary thereof, or shall be substituted for by similar options, rights or awards covering the stock of the successor or survivor corporation, or a parent or subsidiary thereof, with appropriate adjustments as to the number and kind of shares and prices;

(iii) that such Award shall be exercisable or payable or fully vested with respect to all Shares covered thereby, notwithstanding anything to the contrary in the applicable Award Agreement; or

(iv) that the Award cannot vest, be exercised or become payable after a date certain in the future, which may be the effective date of such event.

(c) Correction of Defects, Omissions and Inconsistencies. The Committee may correct any defect, supply any omission or reconcile any inconsistency in the Plan or any Award in the manner and to the extent it shall deem desirable to carry the Plan into effect.

Section 8. Income Tax Withholding; Tax Bonuses.

(a) Withholding. In order to comply with all applicable federal or state income tax laws or regulations, the Company may take such action as it deems appropriate to ensure that all applicable federal or state payroll, withholding, income or other taxes, which are the sole and absolute responsibility of a Participant are withheld or collected from such Participant. In order to assist a Participant in paying all or a portion of the federal and state taxes to be withheld or collected upon exercise or receipt of (or the lapse of restrictions relating to) an Award, the Committee, in its discretion and subject to such additional terms and conditions as it may adopt, may permit the Participant to satisfy such tax obligation by (i) electing to have the Company withhold a portion of the Shares otherwise to be delivered upon exercise or receipt of (or the lapse of restrictions relating to) such Award with a Fair Market Value equal to the amount of such taxes or (ii) electing to deliver to the Company Shares other than Shares issuable upon exercise or receipt of (or the lapse of restrictions relating to) such Award with a Fair Market Value equal to the amount of such taxes. The election, if any, must be made on or before the date that the amount of tax to be withheld is determined.

(b) Tax Bonuses. The Committee, in its discretion, shall have the authority, at the time of grant of any Award under this Plan or at any time thereafter, to approve cash bonuses to designated Participants to be paid upon their exercise or receipt of (or the lapse of restrictions relating to) Awards in order to provide funds to pay all or a portion of federal and state taxes due as a result of such exercise or receipt (or the lapse of such restrictions). The Committee shall have full authority in its discretion to determine the amount of any such tax bonus.

Section 9. General Provisions.

(a) No Rights to Awards. No Eligible Person, Participant or other Person shall have any claim to be granted any Award under the Plan, and there is no obligation for uniformity of treatment of Eligible Persons, Participants or holders or beneficiaries of Awards under the Plan. The terms and conditions of Awards need not be the same with respect to any Participant or with respect to different Participants.

(b) Award Agreements. No Participant will have rights under an Award granted to such Participant unless and until an Award Agreement shall have been duly executed on behalf of the Company and, if requested by the Company, signed by the Participant.

(c) No Limit on Other Compensation Arrangements. Nothing contained in the Plan shall prevent the Company or any Affiliate from adopting or continuing in effect other or additional compensation arrangements, and such arrangements may be either generally applicable or applicable only in specific cases.

(d) No Right to Employment. The grant of an Award shall not be construed as giving a Participant the right to be retained in the employ of the Company or any Affiliate, nor will it affect in any way the right of the Company or an Affiliate to terminate such employment at any time, with or without cause. In addition, the Company or an Affiliate may at any time dismiss a Participant from employment free from any liability or any claim under the Plan, unless otherwise expressly provided in the Plan or in any Award Agreement.

(e) Governing Law. The validity, construction and effect of the Plan or any Award, and any rules and regulations relating to the Plan or any Award, shall be determined in accordance with the laws of the State of Minnesota.

(f) Severability. If any provision of the Plan or any Award is or becomes or is deemed to be invalid, illegal or unenforceable in any jurisdiction or would disqualify the Plan or any Award under any law deemed applicable by the Committee, such provision shall be construed or deemed amended to conform to applicable laws, or if it cannot be so construed or deemed amended without, in the determination of the Committee, materially altering the purpose or intent of the Plan or the Award, such provision shall be stricken as to such jurisdiction or Award, and the remainder of the Plan or any such Award shall remain in full force and effect.

(g) No Trust or Fund Created. Neither the Plan nor any Award shall create or be construed to create a trust or separate fund of any kind or a fiduciary relationship between the Company or any Affiliate and a Participant or any other Person. To the extent that any Person acquires a right to receive payments from the Company or any Affiliate pursuant to an Award, such right shall be no greater than the right of any unsecured general creditor of the Company or any Affiliate.

(h) No Fractional Shares. No fractional Shares shall be issued or delivered pursuant to the Plan or any Award, and the Committee shall determine whether cash shall be paid in lieu of any fractional Shares or whether such fractional Shares or any rights thereto shall be canceled, terminated or otherwise eliminated.

(i) Headings. Headings are given to the Sections and subsections of the Plan solely as a convenience to facilitate reference. Such headings shall not be deemed in any way material or relevant to the construction or interpretation of the Plan or any provision thereof.

(j) Other Benefits. No compensation or benefit awarded to or realized by any Participant under the Plan shall be included for the purpose of computing such Participant's compensation under any compensation-based retirement, disability, or similar plan of the Company unless required by law or otherwise provided by such other plan.

Section 10. Effective Date of the Plan.

The Plan shall be effective as of the date of its approval and adoption by the Company's stockholders. If the Company's stockholders do not approve the Plan, the Plan shall be null and void.

Section 11. Term of the Plan.

Awards shall only be granted under the Plan during a 10-year period beginning on September 27, 2012. However, unless otherwise expressly provided in the Plan or in an applicable Award Agreement, any Award theretofore granted may extend beyond the end of such 10-year period, and the authority of the Committee provided for hereunder with respect to the Plan and any Awards, and the authority of the Board to amend the Plan and to waive any conditions or rights of the Company under any Award pursuant to 7(b) hereof, shall extend beyond the termination of the Plan.

[Letterhead of Dorsey & Whitney LLP]

June 10, 2014

EnteroMedics Inc.
2800 Patton Road
St. Paul, MN 55113

Registration Statement on Form S-8

Ladies and Gentlemen:

We have acted as counsel to EnteroMedics Inc., a Delaware corporation (the "Company"), in connection with the registration under the Securities Act of 1933, as amended, on a registration statement on Form S-8 (the "Registration Statement") of an aggregate of 7,500,000 shares of the Company's common stock, \$0.01 par value per share (the "Shares"), issuable under the EnteroMedics Inc. Amended and Restated 2003 Stock Incentive Plan (the "Plan").

We have examined such documents and have reviewed such questions of law as we have considered necessary and appropriate for the purposes of this opinion. In rendering our opinion set forth below, we have assumed the authenticity of all documents submitted to us as originals, the genuineness of all signatures and the conformity to authentic originals of all documents submitted to us as copies. We have also assumed the legal capacity for all purposes relevant hereto of all natural persons. As to questions of fact material to our opinion, we have relied upon certificates of officers of the Company and of public officials.

Based on the foregoing, we are of the opinion that the Shares have been duly authorized and, upon issuance, delivery and payment therefor in accordance with the terms of the Plan, and any relevant agreements thereunder, will be validly issued, fully paid and nonassessable.

Our opinion expressed above is limited to the Delaware General Corporation Law.

We hereby consent to the filing of this opinion as an exhibit to the Registration Statement. The foregoing opinion is being furnished to you solely for your benefit and may not be relied upon by, nor may copies be delivered to, any other person without our prior written consent. In giving this consent, we do not admit that we are within the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Commission thereunder.

Very truly yours,

/s/ Dorsey & Whitney LLP

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CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We consent to the incorporation by reference in this Registration Statement on Form S-8 of our report dated March 27, 2014, relating to the consolidated financial statements of EnteroMedics Inc. (the "Company") and subsidiary, appearing in the Annual Report on Form 10-K of the Company for the year ended December 31, 2013.

/s/ Deloitte & Touche LLP

Minneapolis, Minnesota

June 10, 2014