

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934
or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Tweden Katherine S.</u> (Last) (First) (Middle) 2800 PATTON ROAD (Street) ST. PAUL MN 55113 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 03/10/2011	3. Issuer Name and Ticker or Trading Symbol EnteroMedics Inc [ETRM] 4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) Vice Pres-Research & Clinical	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person
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Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	1,053	D	

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Stock Option (Right to Buy)	(1)	08/16/2014	Common Stock	10,192	2.76	D	
Stock Option (Right to Buy)	(1)	04/27/2015	Common Stock	183	2.76	D	
Stock Option (Right to Buy)	(1)	04/20/2016	Common Stock	2,655	2.76	D	
Stock Option (Right to Buy)	10/29/2010 ⁽²⁾	10/29/2017	Common Stock	1,454	1.9	D	
Stock Option (Right to Buy)	10/29/2010 ⁽²⁾	10/29/2017	Common Stock	1,295	1.9	D	
Stock Option (Right to Buy)	10/29/2010 ⁽²⁾	10/29/2017	Common Stock	2,136	1.9	D	
Stock Option (Right to Buy)	10/29/2010 ⁽²⁾	10/29/2017	Common Stock	20,416	1.9	D	
Stock Option (Right to Buy)	(1)	11/18/2019	Common Stock	16,666	3.78	D	
Stock Option (Right to Buy)	03/16/2011 ⁽³⁾	02/16/2021	Common Stock	91,981	2.58	D	

Explanation of Responses:

1. Options currently 100% vested.
2. Options vest 33% on date noted and thereafter at 1/24th per month.
3. Vests in increments of 1/48th per month, beginning the date shown.

Remarks:

EXHIBIT 24: POWER OF ATTORNEY

/s/ Greg S. Lea, Attorney-in-Fact for Katherine S. Tweden 03/17/2011

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 5 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.

POWER OF ATTORNEY

Know all by these presents, that I hereby constitute and appoint each of Mark B. Knudson and Greg S. Lea my true and lawful attorney-in-fact and agent, each acting alone, with full power of substitution for me and in my name, place and stead, to:

1. execute for me and on my behalf, in my capacity as an officer and/or director of EnteroMedics Inc, Forms 3, 4 or 5 in accordance with Section 16(a) of the Securities Exchange Act of 1934, as amended, and the rules promulgated thereunder;
2. do and perform any and all acts for me and on my behalf which may be necessary or desirable to complete and execute any such Form 3, 4 or 5, complete and execute any amendment or amendments thereto and timely file such Form with the United States Securities and Exchange Commission and any stock exchange or similar authority; and
3. take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to me, in my best interest or legally required by me, it being understood that the documents executed by such attorney-in-fact on my behalf pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

I hereby grant to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as I might or could do if personally present, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this Power of Attorney and the rights and powers herein granted. I acknowledge that the attorneys-in-fact, in serving in such capacity at my request, are not assuming, nor is EnteroMedics Inc. assuming, any of my responsibilities to comply with Section 16 of the Securities Exchange Act of 1934, as amended.

This Power of Attorney shall remain in full force and effect until I am no longer required to file Forms 3, 4 and 5 with respect to my holdings of and transactions in securities of EnteroMedics Inc, unless earlier revoked by me in a signed writing delivered to the attorneys-in-fact named above.

IN WITNESS WHEREOF, I have signed this Power of Attorney on March 9, 2011.

/s/ Katherine S. Tweden

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