

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

OMB APPROVAL	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person* <u>Donders Adrianus</u>			2. Issuer Name and Ticker or Trading Symbol <u>EnteroMedics Inc [ ETRM ]</u>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Sr Vice Pres of Operations</u>		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <u>06/22/2009</u>			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		
2800 PATTON ROAD			4. If Amendment, Date of Original Filed (Month/Day/Year)					
(Street) <u>ST. PAUL MN 55113</u>								
(City) (State) (Zip)								

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
No securities are held								000	D	

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option (right to buy)	\$0.46							04/11/2006 <sup>(1)</sup>	04/11/2015	Common Stock	87,913		87,913	D	
Stock Option (right to buy)	\$0.46							(2)	04/27/2015	Common Stock	21,979		21,979	D	
Stock Option (right to buy)	\$0.46							04/20/2007 <sup>(1)</sup>	04/20/2016	Common Stock	34,616		34,616	D	
Stock Option (right to buy)	\$5.19							02/06/2008 <sup>(1)</sup>	02/06/2017	Common Stock	54,946		54,946	D	
Stock Option (right to buy)	\$8.27							02/06/2008 <sup>(3)</sup>	02/06/2018	Common Stock	97,415		97,415	D	
Stock Option (right to buy)	\$8.27							02/06/2008	02/06/2018	Common Stock	10,989		10,989	D	
Stock Option (right to buy)	\$1.1							03/04/2009 <sup>(4)</sup>	02/04/2019	Common Stock	66,960		66,960	D	
Stock Option (right to buy)	\$3.7	06/22/2009		A		42,100		06/30/2009 <sup>(5)</sup>	06/22/2019	Common Stock	42,100	\$0.00	42,100	D	

**Explanation of Responses:**

- Vest 25% on the first anniversary of the date of grant and 1/36th per month for 36 months thereafter, beginning the date shown.
- Currently 100% vested in accordance with achievement of milestone vesting terms.
- 50% vests in increments of 1/48th per month beginning the date shown, remaining 50% vests in accordance with achievement of milestone vesting terms.
- Vests in increments of 1/48th per month beginning the date shown.
- Vests in increments of 2.0833% per month beginning the date shown.

/s/ Greg S. Lea, Attorney in Fact for Adrianus (Jos) Donders 06/24/2009

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 4 (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.**