

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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* EVNIN LUKE (Last) (First) (Middle) C/O MPM ASSET MANAGEMENT 200 CLARENDON ST., 54TH FLOOR (Street) BOSTON MA 02116 (City) (State) (Zip)			2. Issuer Name and Ticker or Trading Symbol EnteroMedics Inc [ETRM]			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)		
			3. Date of Earliest Transaction (Month/Day/Year) 12/14/2010					
			4. 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 <input type="checkbox"/> Form filed by More than One Reporting Person		

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			
Common Stock	12/14/2010		C		704,607 ⁽¹⁾	A	(2)	1,669,753	I	See footnote ⁽³⁾

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				
Series A Non-Voting Convertible Preferred Stock	(2)	12/14/2010		C		704,607 ⁽¹⁾		(2)	(2)	Common Stock	704,607	\$0	0	I	See footnote ⁽⁴⁾

Explanation of Responses:

- The shares were converted as follows: 586,338 by MPM BioVentures III QP, L.P. ("BV III QP"), 39,423 by MPM BioVentures III, L.P. ("BV III"), 11,584 by MPM Asset Management Investors 2002 BVIII LLC ("AM 2002"), 17,714 by MPM BioVentures III Parallel Fund, L.P. ("BV Parallel") and 49,548 by MPM BioVentures III GmbH & Co. Beteteiligungs KG ("BV KG"). MPM BioVentures III GP, L.P. ("MPM III GP") and MPM BioVentures III LLC ("MPM III LLC") are the direct and indirect general partners of BV III QP, BV III, BV Parallel and BV KG. The Reporting Person is a Series A member of MPM III LLC and a manager of AM 2002. The Reporting Person disclaims beneficial ownership of the securities except to the extent of his pecuniary interest therein.
- The Series A Non-Voting Convertible Preferred Stock converted into the Issuer's Corporation common stock on a 1-for-1 basis and had no expiration date.
- The shares are held as follows: 1,389,482 by BV III QP, 93,424 by BV III, 27,452 by AM 2002, 41,978 by BV Parallel and 117,417 by BV KG. The Reporting Person disclaims beneficial ownership of the securities except to the extent of his pecuniary interest therein.
- No securities owned.

/s/ Luke Evnin

12/15/2010

** 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 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.

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