

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

**SCHEDULE 13G/A**

Under the Securities Exchange Act of 1934  
(AMENDMENT NO. 1)\*

**ENTEROMEDICS, INC.**

(Name of Issuer)

**Common Stock**

(Title of Class of Securities)

**29365M 10 9**

(CUSIP Number)

**December 31, 2008**

(Date of Event which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

<b>1</b>	NAME OF REPORTING PERSONS InterWest Partners IX, LP I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (b) <input type="radio"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION California	
NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH	<b>5</b>	SOLE VOTING POWER 1,546,761
	<b>6</b>	SHARED VOTING POWER 0
	<b>7</b>	SOLE DISPOSITIVE POWER 1,546,761
	<b>8</b>	SHARED DISPOSITIVE POWER 0
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,546,761	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES: <input type="radio"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 9.2%	
<b>12</b>	TYPE OF REPORTING PERSON PN	

<b>1</b>	NAME OF REPORTING PERSONS InterWest Management Partners IX, LLC (the General Partner of InterWest Partners IX, LP) I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (b) <input type="radio"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION California	
NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH	<b>5</b>	SOLE VOTING POWER 1,546,761
	<b>6</b>	SHARED VOTING POWER 0
	<b>7</b>	SOLE DISPOSITIVE POWER 1,546,761
	<b>8</b>	SHARED DISPOSITIVE POWER 0
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,546,761	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES: <input type="radio"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 9.2%	
<b>12</b>	TYPE OF REPORTING PERSON OO	

<b>1</b>	NAME OF REPORTING PERSONS Harvey B. Cash (a Managing Director of InterWest Management Partners IX, LLC) I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (b) <input type="radio"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH	<b>5</b>	SOLE VOTING POWER 0
	<b>6</b>	SHARED VOTING POWER 1,546,761
	<b>7</b>	SOLE DISPOSITIVE POWER 0
	<b>8</b>	SHARED DISPOSITIVE POWER 1,546,761
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,546,761	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES: <input type="radio"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 9.2%	
<b>12</b>	TYPE OF REPORTING PERSON IN	

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Harvey B. Cash that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

<b>1</b>	NAME OF REPORTING PERSONS Bruce A. Cleveland (a Venture Member of InterWest Management Partners IX, LLC) I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (b) <input type="radio"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH	<b>5</b>	SOLE VOTING POWER 0
	<b>6</b>	SHARED VOTING POWER 1,546,761
	<b>7</b>	SOLE DISPOSITIVE POWER 0
	<b>8</b>	SHARED DISPOSITIVE POWER 1,546,761
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,546,761	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES: <input type="radio"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 9.2%	
<b>12</b>	TYPE OF REPORTING PERSON IN	

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Bruce A. Cleveland that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

<b>1</b>	NAME OF REPORTING PERSONS Christopher B. Ehrlich (a Venture Member of InterWest Management Partners IX, LLC) I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (b) <input type="radio"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH	<b>5</b>	SOLE VOTING POWER 0
	<b>6</b>	SHARED VOTING POWER 1,546,761
	<b>7</b>	SOLE DISPOSITIVE POWER 0
	<b>8</b>	SHARED DISPOSITIVE POWER 1,546,761
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,546,761	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES: <input type="radio"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 9.2%	
<b>12</b>	TYPE OF REPORTING PERSON IN	

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Christopher B. Ehrlich that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

<b>1</b>	NAME OF REPORTING PERSONS Philip T. Gianos (a Managing Director of InterWest Management Partners IX, LLC) I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (b) <input type="radio"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH	<b>5</b>	SOLE VOTING POWER 0
	<b>6</b>	SHARED VOTING POWER 1,546,761
	<b>7</b>	SOLE DISPOSITIVE POWER 0
	<b>8</b>	SHARED DISPOSITIVE POWER 1,546,761
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,546,761	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES: <input type="radio"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 9.2%	
<b>12</b>	TYPE OF REPORTING PERSON IN	

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Philip T. Gianos that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

<b>1</b>	NAME OF REPORTING PERSONS Linda S. Grais (a Venture Member of InterWest Management Partners IX, LLC) I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (b) <input type="radio"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH	<b>5</b>	SOLE VOTING POWER 0
	<b>6</b>	SHARED VOTING POWER 1,546,761
	<b>7</b>	SOLE DISPOSITIVE POWER 0
	<b>8</b>	SHARED DISPOSITIVE POWER 1,546,761
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,546,761	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES: <input type="radio"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 9.2%	
<b>12</b>	TYPE OF REPORTING PERSON IN	

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Linda S. Grais that she is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.



<b>1</b>	NAME OF REPORTING PERSONS W. Stephen Holmes III (a Managing Director of InterWest Management Partners IX, LLC) I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (b) <input type="radio"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH	<b>5</b>	SOLE VOTING POWER 0
	<b>6</b>	SHARED VOTING POWER 1,546,761
	<b>7</b>	SOLE DISPOSITIVE POWER 0
	<b>8</b>	SHARED DISPOSITIVE POWER 1,546,761
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,546,761	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES: <input type="radio"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 9.2%	
<b>12</b>	TYPE OF REPORTING PERSON IN	

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by W. Stephen Holmes III that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

<b>1</b>	NAME OF REPORTING PERSONS Nina S. Kjellson (a Venture Member of InterWest Management Partners IX, LLC) I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (b) <input type="radio"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH	<b>5</b>	SOLE VOTING POWER 0
	<b>6</b>	SHARED VOTING POWER 1,546,761
	<b>7</b>	SOLE DISPOSITIVE POWER 0
	<b>8</b>	SHARED DISPOSITIVE POWER 1,546,761
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,546,761	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES: <input type="radio"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 9.2%	
<b>12</b>	TYPE OF REPORTING PERSON IN	

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Nina S. Kjellson that she is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

<b>1</b>	NAME OF REPORTING PERSONS Gilbert H. Kliman (a Managing Director of InterWest Management Partners IX, LLC) I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (b) <input type="radio"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH	<b>5</b>	SOLE VOTING POWER 0
	<b>6</b>	SHARED VOTING POWER 1,546,761
	<b>7</b>	SOLE DISPOSITIVE POWER 0
	<b>8</b>	SHARED DISPOSITIVE POWER 1,546,761
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,546,761	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES: <input type="radio"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 9.2%	
<b>12</b>	TYPE OF REPORTING PERSON IN	

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Gilbert H. Kliman that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

<b>1</b>	NAME OF REPORTING PERSONS Ellen E. Koskinas (a Venture Member of InterWest Management Partners IX, LLC) I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (b) <input type="radio"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH	<b>5</b>	SOLE VOTING POWER 10,938
	<b>6</b>	SHARED VOTING POWER 1,546,761
	<b>7</b>	SOLE DISPOSITIVE POWER 10,938
	<b>8</b>	SHARED DISPOSITIVE POWER 1,546,761
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,557,699	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES: <input type="radio"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 9.2%	
<b>12</b>	TYPE OF REPORTING PERSON IN	

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Ellen E. Koskinas that she is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

<b>1</b>	NAME OF REPORTING PERSONS H. Ronald Nash (a Venture Member of InterWest Management Partners IX, LLC)  I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  (a) <input type="radio"/> (b) <input type="radio"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION  United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH	<b>5</b>	SOLE VOTING POWER  0
	<b>6</b>	SHARED VOTING POWER  1,546,761
	<b>7</b>	SOLE DISPOSITIVE POWER  0
	<b>8</b>	SHARED DISPOSITIVE POWER  1,546,761
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  1,546,761	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:  <input type="radio"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  9.2%	
<b>12</b>	TYPE OF REPORTING PERSON  IN	

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by H. Ronald Nash that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

<b>1</b>	NAME OF REPORTING PERSONS Khaled A. Nasr (a Venture Member of InterWest Management Partners IX, LLC)  I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION  United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH	<b>5</b>	SOLE VOTING POWER  0
	<b>6</b>	SHARED VOTING POWER  1,546,761
	<b>7</b>	SOLE DISPOSITIVE POWER  0
	<b>8</b>	SHARED DISPOSITIVE POWER  1,546,761
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  1,546,761	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:  <input type="checkbox"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  9.2%	
<b>12</b>	TYPE OF REPORTING PERSON  IN	

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Khaled A. Nasr that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

<b>1</b>	NAME OF REPORTING PERSONS Arnold L. Oronsky (a Managing Director of InterWest Management Partners IX, LLC)  I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION  United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH	<b>5</b>	SOLE VOTING POWER  0
	<b>6</b>	SHARED VOTING POWER  1,546,761
	<b>7</b>	SOLE DISPOSITIVE POWER  0
	<b>8</b>	SHARED DISPOSITIVE POWER  1,546,761
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  1,546,761	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:  <input type="checkbox"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  9.2%	
<b>12</b>	TYPE OF REPORTING PERSON  IN	

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Arnold L. Oronsky that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

<b>1</b>	NAME OF REPORTING PERSONS Douglas A. Pepper (a Venture Member of InterWest Management Partners IX, LLC) I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH	<b>5</b>	SOLE VOTING POWER 0
	<b>6</b>	SHARED VOTING POWER 1,546,761
	<b>7</b>	SOLE DISPOSITIVE POWER 0
	<b>8</b>	SHARED DISPOSITIVE POWER 1,546,761
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,546,761	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES: <input type="checkbox"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 9.2%	
<b>12</b>	TYPE OF REPORTING PERSON IN	

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Douglas A. Pepper that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.



<b>1</b>	NAME OF REPORTING PERSONS Thomas L. Rosch (a Managing Director of InterWest Management Partners IX, LLC)  I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  (a) <input type="radio"/> (b) <input type="radio"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION  United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH	<b>5</b>	SOLE VOTING POWER  0
	<b>6</b>	SHARED VOTING POWER  1,546,761
	<b>7</b>	SOLE DISPOSITIVE POWER  0
	<b>8</b>	SHARED DISPOSITIVE POWER  1,546,761
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  1,546,761	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:  <input type="radio"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  9.2%	
<b>12</b>	TYPE OF REPORTING PERSON  IN	

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Thomas L. Rosch that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

<b>1</b>	NAME OF REPORTING PERSONS Michael B. Sweeney (a Managing Director of InterWest Management Partners IX, LLC) I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (b) <input type="radio"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH	<b>5</b>	SOLE VOTING POWER 0
	<b>6</b>	SHARED VOTING POWER 1,546,761
	<b>7</b>	SOLE DISPOSITIVE POWER 0
	<b>8</b>	SHARED DISPOSITIVE POWER 1,546,761
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,546,761	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES: <input type="radio"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 9.2%	
<b>12</b>	TYPE OF REPORTING PERSON IN	

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Michael B. Sweeney that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

**ITEM 1.**

**(a) NAME OF ISSUER :** EnteroMedics, Inc.

**(b) ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICE:**

2800 Patton Road, Roseville, MN 55113

**ITEM 2.**

**(a) NAME OF PERSON(S) FILING:**

InterWest Partners IX, LP ("IWP IX")  
InterWest Management Partners IX, LLC ("IMP IX")  
Harvey B. Cash ("Cash")  
Bruce A. Cleveland ("Cleveland")  
Christopher B. Ehrlich ("Ehrlich")  
Philip T. Gianos ("Gianos")  
Linda S. Grais ("Grais")  
W. Stephen Holmes III ("Holmes")  
Nina S. Kjellson ("Kjellson")  
Gilbert H. Kliman ("Kliman")  
Ellen E. Koskinas ("Koskinas")  
H. Ronald Nash ("Nash")  
Khaled A. Nasr ("Nasr")  
Arnold L. Oronsky ("Oronsky")  
Douglas A. Pepper ("Pepper")  
Thomas L. Rosch ("Rosch")  
Michael B. Sweeney ("Sweeney")

**(b) ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE:**

2710 Sand Hill Road, Second Floor, Menlo Park, CA 94025

**(c) CITIZENSHIP/PLACE OF ORGANIZATION:**

IWP IX:	California
IMP IX:	California
Cash:	United States
Cleveland:	United States
Ehrlich:	United States
Gianos:	United States
Grais:	United States
Holmes:	United States
Kjellson:	United States
Kliman:	United States
Koskinas:	United States
Nash:	United States
Nasr:	United States
Oronsky:	United States
Pepper:	United States
Rosch:	United States
Sweeney:	United States

(d) TITLE OF CLASS OF SECURITIES: Common Stock

(e) CUSIP NUMBER: 29365M 10 9

ITEM 3. NOT APPLICABLE.

ITEM 4. OWNERSHIP.

	<u>IWP IX</u>	<u>IMP IX (1)</u>	<u>Cash (2)</u>	<u>Cleveland (2)</u>	<u>Ehrlich (2)</u>
Beneficial Ownership	1,546,761	1,546,761	1,546,761	1,546,761	1,546,761
Percentage of Class	9.2%	9.2%	9.2%	9.2%	9.2%
Sole Voting Power	1,546,761	1,546,761	0	0	0
Shared Voting Power	0	0	1,546,761	1,546,761	1,546,761
Sole Dispositive Power	1,546,761	1,546,761	0	0	0
Shared Dispositive Power	0	0	1,546,761	1,546,761	1,546,761

  

	<u>Gianos (2)</u>	<u>Grais (2)</u>	<u>Holmes (2)</u>	<u>Kjellson (2)</u>
Beneficial Ownership	1,546,761	1,546,761	1,546,761	1,546,761
Percentage of Class	9.2%	9.2%	9.2%	9.2%
Sole Voting Power	0	0	0	0
Shared Voting Power	1,546,761	1,546,761	1,546,761	1,546,761
Sole Dispositive Power	0	0	0	0
Shared Dispositive Power	1,546,761	1,546,761	1,546,761	1,546,761

  

	<u>Kliman (2)</u>	<u>Koskinas (2)**</u>	<u>Nash (2)</u>	<u>Nasr (2)</u>	<u>Oronsky (2)</u>
Beneficial Ownership	1,546,761	1,557,699	1,546,761	1,546,761	1,546,761
Percentage of Class	9.2%	9.2%	9.2%	9.2%	9.2%
Sole Voting Power	0	10,938	0	0	0
Shared Voting Power	1,546,761	1,546,761	1,546,761	1,546,761	1,546,761
Sole Dispositive Power	0	10,938	0	0	0
Shared Dispositive Power	1,546,761	1,546,761	1,546,761	1,546,761	1,546,761

  

	<u>Pepper (2)</u>	<u>Rosch (2)</u>	<u>Sweeney (2)</u>
Beneficial Ownership	1,546,761	1,546,761	1,546,761
Percentage of Class	9.2%	9.2%	9.2%
Sole Voting Power	0	0	0
Shared Voting Power	1,546,761	1,546,761	1,546,761
Sole Dispositive Power	0	0	0
Shared Dispositive Power	1,546,761	1,546,761	1,546,761

\*\* Includes 10,938 shares issuable to Koskinas pursuant to outstanding options exercisable within 60 days of December 31, 2008.

(1) IMP IX is the general partner of IWP IX.

(2) Cash, Gianos, Holmes, Kliman, Oronsky, Rosch, and Sweeney are Managing Directors of IMP IX. Cleveland, Ehrlich, Grais, Kjellson, Koskinas, Nash, Nasr, and Pepper are Venture Members of IMP IX.

**ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS.**

Not applicable.

**ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON.**

Under certain circumstances set forth in the limited liability company operating agreement of IMP IX, the members of such limited liability company have the right to receive dividends from, or the proceeds from the sale of, the common stock of Issuer beneficially owned by such limited liability company.

**ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY.**

Not applicable.

**ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP.**

No reporting person is a member of a group as defined in section 240.13d-1(b)(1)(iii)(H) of the Act.

**ITEM 9. NOTICE OF DISSOLUTION OF THE GROUP.**

Not applicable.

**ITEM 10. CERTIFICATION.**

Not applicable.

**EXHIBITS**

Joint Filing Statement attached as Exhibit A.

**SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 13, 2009

By: /s/ Harvey B. Cash  
Name: Harvey B. Cash

By: /s/ Bruce A. Cleveland  
Name: Bruce A. Cleveland

By: /s/ Christopher B. Ehrlich  
Name: Christopher B. Ehrlich

By: /s/ Philip T. Gianos  
Name: Philip T. Gianos

By: /s/ Linda S. Grais  
Name: Linda S. Grais

By: /s/ W. Stephen Holmes  
Name: W. Stephen Holmes

By: /s/ Nina S. Kjellson  
Name: Nina S. Kjellson

By: /s/ Gilbert H. Kliman  
Name: Gilbert H. Kliman

By: /s/ Ellen E. Koskinas  
Name: Ellen E. Koskinas

By: /s/ H. Ronald Nash  
Name: H. Ronald Nash

By: /s/ Khaled A. Nasr  
Name: Khaled A. Nasr

By: /s/ Arnold L. Oronsky  
Name: Arnold L. Oronsky

INTERWEST PARTNERS IX, LP

By: InterWest Management Partners IX, LLC  
its General Partner

By: /s/ W. Stephen Holmes  
Managing Director

INTERWEST MANAGEMENT PARTNERS IX, LLC

By: /s/ W. Stephen Holmes  
Managing Director

By: /s/ Douglas A. Pepper  
Name: Douglas A. Pepper

By: /s/ Thomas L. Rosch  
Name: Thomas L. Rosch

By: /s/ Michael B. Sweeney  
Name: Michael B. Sweeney

**EXHIBIT A**  
**Joint Filing Statement**

We, the undersigned, hereby express our agreement that the attached Schedule 13G is filed on behalf of each of us.

Date: February 13, 2009

By: /s/ Harvey B. Cash  
Name: Harvey B. Cash

By: /s/ Bruce A. Cleveland  
Name: Bruce A. Cleveland

By: /s/ Christopher B. Ehrlich  
Name: Christopher B. Ehrlich

By: /s/ Philip T. Gianos  
Name: Philip T. Gianos

By: /s/ Linda S. Grais  
Name: Linda S. Grais

By: /s/ W. Stephen Holmes  
Name: W. Stephen Holmes

By: /s/ Nina S. Kjellson  
Name: Nina S. Kjellson

By: /s/ Gilbert H. Kliman  
Name: Gilbert H. Kliman

By: /s/ Ellen E. Koskinas  
Name: Ellen E. Koskinas

By: /s/ H. Ronald Nash  
Name: H. Ronald Nash

By: /s/ Khaled A. Nasr  
Name: Khaled A. Nasr

By: /s/ Arnold L. Oronsky  
Name: Arnold L. Oronsky

INTERWEST PARTNERS IX, LP

By: InterWest Management Partners IX, LLC  
its General Partner

By: /s/ W. Stephen Holmes  
Managing Director

INTERWEST MANAGEMENT PARTNERS IX, LLC

By: /s/ W. Stephen Holmes  
Managing Director

By: /s/ Douglas A. Pepper  
Name: Douglas A. Pepper

By: /s/ Thomas L. Rosch  
Name: Thomas L. Rosch

By: /s/ Michael B. Sweeney  
Name: Michael B. Sweeney