

ALDRICH RICHARD  
Form 4  
November 14, 2008

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

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

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
RA CAPITAL MANAGEMENT, LLC

2. Issuer Name and Ticker or Trading Symbol  
BIOSPECIFICS TECHNOLOGIES CORP [BSTC]

5. Relationship of Reporting Person(s) to Issuer  
(Check all applicable)

(Last) (First) (Middle)  
C/O RA CAPITAL MANAGEMENT, LLC, 800 BOYLSTON STREET, SUITE 1500

3. Date of Earliest Transaction (Month/Day/Year)  
11/12/2008

\_\_\_\_ Director  
\_\_\_\_ Officer (give title below)  
 10% Owner  
\_\_\_\_ Other (specify below)

(Street)  
BOSTON, MA 02199

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
\_\_\_\_ Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

(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			
Common Stock	11/12/2008		P	1,000 (1) A \$ 15	649,844	I	see footnote (2)
Common Stock	11/12/2008		P	1,200 A \$ 15.45	651,044	I	see footnote (2)
Common Stock	11/12/2008		P	7,800 A \$ 15.5	658,844	I	see footnote (2)

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Common Stock	11/13/2008		P	6,919	A	\$ 16	665,763	I	see footnote (2)
Common Stock	11/13/2008		P	188	A	\$ 15	665,951	I	see footnote (2)
Common Stock	11/13/2008		P	5,400	A	\$ 15.5	671,351	I	see footnote (2)
Common Stock	11/13/2008		P	200	A	\$ 16.49	671,551	I	see footnote (2)
Common Stock	11/13/2008		P	200	A	\$ 17	671,751	I	see footnote (2)
Common Stock	11/13/2008		P	11,258	A	\$ 17.75	683,009	I	see footnote (2)
Common Stock	11/14/2008		P	5,100	A	\$ 16	688,109	I	see footnote (2)
Common Stock	11/14/2008		P	1,000	A	\$ 15.75	689,109	I	see footnote (2)
Common Stock	11/14/2008		P	1,200	A	\$ 16.75	690,309	I	see footnote (2)
Common Stock	11/14/2008		P	5,000	A	\$ 17	695,309	I	see footnote (2)
Common Stock	11/14/2008		P	2,000	A	\$ 16.5	697,309 <sup>(3)</sup>	I	see footnote (2)

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

**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 control number.**

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(9-02)

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

1. Title of Derivative Security	2. Conversion or Exercise	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any	4. Transaction Code	5. Number of	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying	8. Price of Derivative Security	9. Number of Derivative Securities
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(Instr. 3)	Price of Derivative Security	(Month/Day/Year)	(Instr. 8)	Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Securities (Instr. 3 and 4)	(Instr. 5)	Bene Own Follo Repo Trans (Instr			
			Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
RA CAPITAL MANAGEMENT, LLC C/O RA CAPITAL MANAGEMENT, LLC 800 BOYLSTON STREET, SUITE 1500 BOSTON, MA 02199		X		
RA Capital Healthcare Fund LP C/O RA CAPITAL MANAGEMENT, LLC 800 BOYLSTON STREET, SUITE 1500 BOSTON, MA 02199		X		
RA Capital Healthcare Fund II, L.P. C/O RA CAPITAL MANAGEMENT, LLC 800 BOYLSTON STREET, SUITE 1500 BOSTON, MA 02199		X		
Kolchinsky Peter C/O RA CAPITAL MANAGEMENT, LLC 800 BOYLSTON STREET, SUITE 1500 BOSTON, MA 02199		X		
ALDRICH RICHARD C/O RA CAPITAL MANAGEMENT, LLC 800 BOYLSTON STREET, SUITE 1500 BOSTON, MA 02199		X		

## Signatures

Peter Kolchinsky, Manager of RA Capital Management, LLC	11/14/2008
**Signature of Reporting Person	Date
Peter Kolchinsky, Manager of RA Capital Management, LLC, the General Partner of RA Capital Healthcare Fund, L.P.	11/14/2008
**Signature of Reporting Person	Date
Peter Kolchinsky, Manager of RA Capital Management, LLC, the General Partner of RA Capital Healthcare Fund II, L.P.	11/14/2008

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	__Signature of Reporting Person	Date
Peter Kolchinsky		11/14/2008
	__Signature of Reporting Person	Date
Richard Aldrich		11/14/2008
	__Signature of Reporting Person	Date

## Explanation of Responses:

- \* 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).
- (1) The acquired shares are divided between RA Capital Healthcare Fund, L.P. ("Fund I") and RA Capital Healthcare Fund II, L.P. ("Fund II") in a ratio of 99.25/0.75.  
RA Capital Management, LLC (the "General Partner") is the general partner of both Fund I and Fund II, and Richard H. Aldrich and
- (2) Peter Kolchinsky are the sole managers of the General Partner. Each of the Reporting Persons disclaims his or its beneficial ownership of any shares of the above named Issuer reported herein, except to the extent of his or its pecuniary interest therein.
- (3) This number represents 688,828 shares held by Fund I and 8,481 shares held by Fund II.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.