Greenfield Andrew J Form 4 February 08, 2012

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL OMB

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SECURITIES

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Greenfield Andrew J Issuer Symbol ABIOMED INC [ABMD] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify C/O ABIOMED, INC., 22 CHERRY 02/06/2012 below) HILL DRIVE VP Healthcare Solutions (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person

DANVERS, M	IA 01723

(City)	(State)	(Zip) Tab	ole I - Non-	-Derivative Securities	s 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. Transactic Code (Instr. 8)	4. Securities Acquire or Disposed of (D) (Instr. 3, 4 and 5) (A) or Amount (D) I	Sed (A) 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. 7. Nature of Ownership Indirect Form: Beneficial Direct (D) Ownership or Indirect (Instr. 4) (I) (Instr. 4)
Common Stock, \$.01 par value	02/06/2012		M	` '	5.86 75,524 <u>(6)</u>	D
Common Stock, \$.01 par value	02/06/2012		S <u>(7)</u>	20,000 D \$ 23.	.0677 55,524 <u>(6)</u>	D

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

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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. Transactic Code (Instr. 8)	5. Number of or or Derivative Securities Acquired (A or Disposed (D) (Instr. 3, 4, and 5)	Expiration Date (Month/Day/Yea)		Underlying S	7. Title and Amount o Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share	
Stock Option (right to buy) (1)	\$ 14.98					01/04/2006 ⁽³⁾	01/04/2015	Common Stock	30,000	
Stock Option (right to buy) (2)	\$ 9.36					06/08/2006 <u>(3)</u>	06/08/2015	Common Stock	20,000	
Stock Option (right to buy) (2)	\$ 8.77					11/16/2006 <u>(3)</u>	11/16/2015	Common Stock	15,000	
Stock Option (right to buy) (2)	\$ 13.57					06/01/2007 <u>(3)</u>	06/01/2016	Common Stock	40,000	
Stock Option (right to buy) (2)	\$ 11.27					05/30/2008 <u>(3)</u>	05/30/2017	Common Stock	10,000	
Stock Option (right to buy) (2)	\$ 13.8					05/23/2009(3)	05/23/2018	Common Stock	9,000	
Stock Option (right to buy) (4)	\$ 5.86	02/06/2012		M	20,00	0 05/28/2010(3)	05/28/2019	Common Stock	20,000	
Stock Option	\$ 5.86					03/31/2010(5)	05/28/2019	Common Stock	30,000	

(right to buy) (4)

Stock

buy) (4)

Option \$ 10.03

 $06/03/2011_{\underline{(3)}} \quad 06/03/2020$

Common Stock

25,000

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Greenfield Andrew J C/O ABIOMED, INC. 22 CHERRY HILL DRIVE DANVERS, MA 01923

VP Healthcare Solutions

Signatures

/s/ Ian W. McLeod (by power of attorney)

02/08/2012

**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) Grant to reporting person of option to buy shares of Common Stock under ABIOMED, Inc. 1998 Equity Incentive Plan.
- (2) Grant to reporting person of option to buy shares of Common Stock under ABIOMED, Inc. 2000 Stock Incentive Plan.
- (3) These options become exercisable in annual 25% increments commencing on the date shown in Table II, Column 6.
- (4) Grant to reporting person of option to buy shares of Common Stock under ABIOMED, Inc. 2008 Stock Incentive Plan.
- (5) These options became exerciseable in full on March 31, 2010.
 - Includes 7,000 shares represented by a performance share award for restricted stock units pursuant to which one third of the shares will be
- (6) issued to the reporting person on each of May 26, 2012, May 26, 2013 and May 26, 2014, so long as he continues to be employed by the issuer on the vesting dates.
- (7) Sale of common stock pursuant to reporting owner's 10b5-1 plan.
- This price represents the weighted average sale price of multiple transactions on the reported date at prices that ranged between \$23.00 (8) and \$23.17. Detailed information regarding the number of shares sold at each separate price will be provided upon request by the Commission staff, the issuer, or a security holder of the issuer.

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.

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