BIOMARIN PHARMACEUTICAL INC

Form 4

August 20, 2007

FORM 4

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005
Estimated average

0.5

OMB APPROVAL

Form 4 or Form 5 obligations may continue. See Instruction

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

burden hours per response...

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Cooper Jeffrey H			2. Issuer Name and Ticker or Trading Symbol BIOMARIN PHARMACEUTICAL INC [BMRN]					5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last) C/O BIOMA PHARMAC DIGITAL D	ARIN EUTICAL INC	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 08/17/2007					Director 10% Owner _X Officer (give title Other (specify below) SVP, Chief Financial Officer		
NOVATO,	(Street) CA 94949		4. If Amendment, Date Original Filed(Month/Day/Year)					6. Individual or Joint/Group Filing(Check Applicable Line) _X_ 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 Own							ly Owned		
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year	Date 2A. Deemed 3. 4. Securities Acqui		d of (D)	5. Amount of Securities Form: Direct Indirect Beneficially (D) or Beneficial Owned Indirect (I) Ownership Following (Instr. 4) (Instr. 4) Reported Transaction(s) (Instr. 3 and 4)					
Common				Code V	Amount	(D)	Price	(Ilistr. 3 and 4)		
Stock	08/17/2007			M	8,958	A	\$ 7.76	8,958	D	
Common Stock	08/17/2007			M	4,291	A	\$ 5.15	13,249	D	
Common Stock	08/17/2007			M	6,751	A	\$ 6.13	20,000	D	
Common Stock	08/17/2007			S	1,500	D	\$ 20.12	18,500	D	
	08/17/2007			S	644	D		17,856	D	

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Common Stock					\$ 20.13		
Common Stock	08/17/2007	S	200	D	\$ 20.14	17,656	D
Common Stock	08/17/2007	S	100	D	\$ 20.15	17,556	D
Common Stock	08/17/2007	S	100	D	\$ 20.18	17,456	D
Common Stock	08/17/2007	S	100	D	\$ 20.23	17,356	D
Common Stock	08/17/2007	S	200	D	\$ 20.25	17,156	D
Common Stock	08/17/2007	S	2,286	D	\$ 20.26	14,870	D
Common Stock	08/17/2007	S	4,854	D	\$ 20.27	10,016	D
Common Stock	08/17/2007	S	4,800	D	\$ 20.28	5,216	D
Common Stock	08/17/2007	S	616	D	\$ 20.29	4,600	D
Common Stock	08/17/2007	S	1,000	D	\$ 20.35	3,600	D
Common Stock	08/17/2007	S	500	D	\$ 20.36	3,100	D
Common Stock	08/17/2007	S	900	D	\$ 20.37	2,200	D
Common Stock	08/17/2007	S	2,000	D	\$ 20.46	200	D
Common Stock	08/17/2007	S	100	D	\$ 20.47	100	D
Common Stock	08/17/2007	S	100	D	\$ 20.5	0	D

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

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SEC 1474 (9-02)

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

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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)	Secu Acqu (A) o Disp (D)	rities nired or osed of r. 3, 4,	6. Date Exercisal Expiration Date (Month/Day/Yea		7. Title and A Underlying S (Instr. 3 and	Securities
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 7.76	08/17/2007		M		8,958	06/30/2004(1)	12/30/2013	Common Stock	8,958
Stock Option (right to buy)	\$ 5.15	08/17/2007		M		4,291	02/19/2005(2)	08/18/2014	Common Stock	4,291
Stock Option (right to buy)	\$ 6.13	08/17/2007		M		6,751	07/07/2005(3)	01/07/2015	Common Stock	6,751

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		

SVP, Chief Financial Officer

Cooper Jeffrey H

C/O BIOMARIN PHARMACEUTICAL INC.

105 DIGITAL DRIVE

NOVATO, CA 94949

Signatures

/s/ G. Eric Davis, Attorney-in-Fact 08/20/2007

**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) Options vested 6/48ths on June 30, 2004 and 1/48th per month thereafter.
- (2) Options vested 6/48ths on February 19, 2005 and 1/48th per month thereafter.
- (3) Options vested 6/48ths on July 7, 2005 and 1/48th per month thereafter.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Reporting Owners 3

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