

BIOMARIN PHARMACEUTICAL INC

Form 4

August 31, 2006

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

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

OMB APPROVAL

OMB
Number: 3235-0287
Expires: January 31,
2005
Estimated average
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(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) (First) (Middle)
C/O BIOMARIN
PHARMACEUTICAL INC., 105
DIGITAL DRIVE

3. Date of Earliest Transaction
(Month/Day/Year)
08/29/2006

____ Director ____ 10% Owner
____X____ Officer (give title below) ____ Other (specify below)
VP, Chief Financial Officer

(Street)
NOVATO, 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 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 Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	08/29/2006 ⁽¹⁾	08/29/2006	M		20,000	A	\$ 8.1	20,000	D	
Common Stock	08/29/2006 ⁽¹⁾	08/29/2006	M		6,000	A	\$ 6.13	26,000	D	
Common Stock	08/29/2006 ⁽¹⁾	08/29/2006	S		20,000	D	\$ 16	6,000	D	
Common Stock	08/29/2006 ⁽¹⁾	08/29/2006	S		6,000	D	\$ 16	0	D	

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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)

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 Underlying Security (Instr. 3 and 4)	Amount or Number of Shares
Stock Option (right to buy)	\$ 8.1	08/29/2006		M	20,000	04/06/2004 ⁽²⁾	Common Stock	20,000
Stock Option (right to buy)	\$ 6.13	08/29/2006		M	6,000	07/07/2005 ⁽²⁾⁽³⁾	Common Stock	6,000

Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
Cooper Jeffrey H C/O BIOMARIN PHARMACEUTICAL INC. 105 DIGITAL DRIVE NOVATO, CA 94949	VP, Chief Financial Officer

Signatures

/s/ G. Eric Davis,
Attorney-in-Fact

08/31/2006

__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) Transactions made pursuant to a 10b5-1 Trading Plan.

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(2) Options vested 6/48ths on April 6, 2004 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.

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