

MYRIAD GENETICS INC  
 Form 4  
 June 19, 2009

**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 \*  
 MYRIAD GENETICS INC

2. Issuer Name and Ticker or Trading Symbol  
 Myriad Pharmaceuticals, Inc.  
 [MYRX]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
 320 WAKARA WAY  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 06/17/2009

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

SALT LAKE CITY, UT 84108

(City) (State) (Zip)

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

**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)
Common Stock	06/17/2009		J <sup>(1)</sup>	23,957,241 D	\$ 0 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. 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 of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr
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## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MYRIAD GENETICS INC 320 WAKARA WAY SALT LAKE CITY, UT 84108		X		

## Signatures

/s/ James Evans, Chief Financial Officer of Myriad Genetics, Inc. 06/19/2009

\*\*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).
- As of the date of this report, Myriad Pharmaceuticals, Inc. ("MPI") is a wholly owned subsidiary of Myriad Genetics, Inc. (NASDAQ: MYGN) ("MGI"). On June 17, 2009, MPI effected a stock split in the form of a dividend, which resulted in MGI receiving an additional (1) 23,956,241 shares of MPI Common Stock. On June 30, 2009, MGI will distribute all of the shares of MPI Common Stock that it owns to its shareholders of record as of the close of business on June 17, 2009. The distribution will be made to the shareholders of MGI on a pro rata basis by means of a stock dividend.

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.