

MYRIAD GENETICS INC  
Form 4  
September 17, 2009

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
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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 \*  
Harrison Robert Gardner

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

SALT LAKE CITY, UT 84108  
(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
MYRIAD GENETICS INC [MYGN]

3. Date of Earliest Transaction  
(Month/Day/Year)  
09/15/2009

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

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

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
\_X\_ 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 Reported (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership Indirect Beneficial Ownership (Instr. 4) |       |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------|-------|
|                                 |                                      |                                                    |                                | (A) or (D)                                                        | Transaction(s) Price                                                 |                                                          |                                                                 |       |
|                                 |                                      |                                                    |                                | Code                                                              | V                                                                    | Amount                                                   | (D)                                                             | Price |

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

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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 Derivative Securities | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount Underlying Security (Instr. 3 and 4) |
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|------------------------------------|----------------------------------------------------------|----------------------------------------------------------|

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| (Instr. 3)                                | Price of Derivative Security | (Month/Day/Year) | (Instr. 8) | Acquired (A) or Disposed of (D)<br>(Instr. 3, 4, and 5) | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title        | Amount or Number of Shares |
|-------------------------------------------|------------------------------|------------------|------------|---------------------------------------------------------|------|---|-----|-----|------------------|-----------------|--------------|----------------------------|
| Incentive Stock Option (right to buy)     | \$ 30.34                     | 09/15/2009       | A          | 3,861                                                   |      |   |     |     | (1)              | 09/15/2019      | Common Stock | 3,861                      |
| Non-Qualified Stock Option (right to buy) | \$ 30.34                     | 09/15/2009       | A          | 28,139                                                  |      |   |     |     | (1)              | 09/15/2019      | Common Stock | 28,139                     |

## Reporting Owners

| Reporting Owner Name / Address                                        | Relationships |           |                           |       |
|-----------------------------------------------------------------------|---------------|-----------|---------------------------|-------|
|                                                                       | Director      | 10% Owner | Officer                   | Other |
| Harrison Robert Gardner<br>320 WAKARA WAY<br>SALT LAKE CITY, UT 84108 |               |           | Chief Information Officer |       |

## Signatures

By: Richard Marsh For: Robert Gardner  
Harrison

09/17/2009

\*\*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).
- (1) The combined Incentive Stock Option and Non-Qualified Stock Option grants vest 25% annually beginning on the first anniversary date of the option grant, subject to statutory ISO limitations.

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.