MYRIAD GENETICS INC

Form 4

September 17, 2009

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

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

1(b).

(Last)

Security

(Instr. 3)

(Print or Type Responses)

1. Name and Address of Reporting Person * **BEST LAWRENCE C**

(First)

(Street)

2. Issuer Name and Ticker or Trading Symbol

MYRIAD GENETICS INC [MYGN]

5. Relationship of Reporting Person(s) to

OMB

Number:

Expires:

response...

Estimated average

burden hours per

OMB APPROVAL

3235-0287

January 31,

2005

0.5

Issuer

320 WAKARA WAY

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year)

09/16/2009

X_ Director 10% Owner Other (specify Officer (give title

(Check all applicable)

below)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

(Instr. 4)

Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

SALT LAKE CITY, UT 84108

(City) (State) (Zip) 1.Title of 2. Transaction Date 2A. Deemed

4. Securities (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Code Disposed of (D) (Month/Day/Year) (Instr. 8)

5. Amount of Securities Beneficially (Instr. 3, 4 and 5) Owned

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership

(Instr. 4)

(9-02)

Following Reported

or

(A)

Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

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

Persons who respond to the collection of SEC 1474 information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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

1. Title of 3. Transaction Date 3A. Deemed 5. Number of 6. Date Exercisable and 7. Title and Amor 4 Derivative Conversion (Month/Day/Year) Execution Date, if TransactionDerivative **Expiration Date** Underlying Secur Security or Exercise Code Securities (Month/Day/Year) (Instr. 3 and 4) (Month/Day/Year) (Instr. 3) Price of (Instr. 8) Acquired (A)

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Derivative or Disposed of Security (D)

(Instr. 3, 4, and 5)

Code V (A) (D) Date Expiration Title

Exercisable Date

An

or Nu of S

30

Non-Qualified

Stock Option \$ 29.94 09/16/2009 A 30,000 09/16/2010 09/16/2019 Common Stock

(right to buy)

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

BEST LAWRENCE C 320 WAKARA WAY X SALT LAKE CITY, UT 84108

Signatures

By: Richard Marsh For: Lawrence C. Best 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).

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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