#### MYRIAD GENETICS INC

Form 4

September 28, 2007

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

**OMB** Number:

3235-0287

Expires:

January 31, 2005

0.5

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**OMB APPROVAL** 

if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

Check this box

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).

(Print or Type Responses)

1. Name and Address of Reporting Person \*

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to

Issuer

MELDRUM PETER D

320 WAKARA WAY

Symbol

MYRIAD GENETICS INC [MYGN]

(Check all applicable)

(Last)

(First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year)

\_X\_\_ Director 10% Owner X\_ Officer (give title Other (specify

09/26/2007

4. If Amendment, Date Original

(Instr. 8)

President & C.E.O. 6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year) Applicable Line)

\_X\_ Form filed by One Reporting Person Form filed by More than One Reporting

(Instr. 4)

Person

below)

SALT LAKE CITY, UT 84108

(City) (State) (Zip)

(Street)

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

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D)

5. Amount of Securities Beneficially Owned

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

(Instr. 4)

(A)

(Instr. 3, 4 and 5)

Following Reported 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 (9-02)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 4. 5. Number of 6. Date Exercisable and 7. Title and Amour Derivative Conversion (Month/Day/Year) Execution Date, if **Transaction**Derivative **Expiration Date Underlying Securit** Securities Security or Exercise Code (Month/Day/Year) (Instr. 3 and 4) any

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(Instr. 3) Price of (Month/Day/Year) (Instr. 8) Acquired (A) Derivative or Disposed of Security (D) (Instr. 3, 4, and 5) Code V (A) (D) Date Expiration Title Exercisable Date

Non-Qualified

Common **Stock Option** \$ 51.08 09/26/2007 A 65,000 (1) 09/26/2017 65,0 Stock (right to buy)

Amo

or Num of Sh

## **Reporting Owners**

Relationships Reporting Owner Name / Address

Director 10% Owner Officer Other

MELDRUM PETER D

X President & C.E.O. 320 WAKARA WAY

SALT LAKE CITY, UT 84108

## **Signatures**

By: Richard M. Marsh For: Peter D. 09/28/2007 Meldrum

> \*\*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) 25% vests annually beginning on the first anniversary date of the Option Grant.

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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