

MYRIAD GENETICS INC
 Form 4
 September 14, 2007

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

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 *
MELDRUM PETER D

(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)
09/12/2007

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)
President & C.E.O.

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 Ownership (Instr. 4)
				(A) or (D)	Price		
Common Stock	09/12/2007		M	500	A \$ 9.3125	150,662	D
Common Stock	09/12/2007		S	500	D \$ 47.3	150,162	D
Common Stock	09/12/2007		M	600	A \$ 9.3125	150,762	D
Common Stock	09/12/2007		S	600	D \$ 47.29	150,162	D
Common Stock	09/12/2007		M	990	A \$ 9.3125	151,152	D

Edgar Filing: MYRIAD GENETICS INC - Form 4

Common Stock	09/12/2007	S	990	D	\$ 47.28	150,162	D
Common Stock	09/12/2007	M	100	A	\$ 9.3125	150,262	D
Common Stock	09/12/2007	S	100	D	\$ 47.23	150,162	D
Common Stock	09/12/2007	M	470	A	\$ 9.3125	150,632	D
Common Stock	09/12/2007	S	470	D	\$ 47.22	150,162	D
Common Stock	09/12/2007	M	500	A	\$ 9.3125	150,662	D
Common Stock	09/12/2007	S	500	D	\$ 47.2	150,162	D
Common Stock	09/12/2007	M	400	A	\$ 9.3125	150,562	D
Common Stock	09/12/2007	S	400	D	\$ 47.19	150,162	D
Common Stock	09/12/2007	M	100	A	\$ 9.3125	150,262	D
Common Stock	09/12/2007	S	100	D	\$ 47.21	150,162	D
Common Stock	09/12/2007	M	5,540	A	\$ 9.3125	155,702	D
Common Stock	09/12/2007	S	5,540	D	\$ 47.14	150,162	D
Common Stock	09/12/2007	M	600	A	\$ 9.3125	150,762	D
Common Stock	09/12/2007	S	600	D	\$ 47.15	150,162	D
Common Stock	09/12/2007	M	200	A	\$ 9.3125	150,362	D
Common Stock	09/12/2007	S	200	D	\$ 47.16	150,162	D

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

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

SEC 1474
(9-02)

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

Edgar Filing: MYRIAD GENETICS INC - Form 4

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 Security (Instr. 3 and 4)	Amount or Number of Shares
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/12/2007		M	500	06/04/2003	06/04/2008	Common Stock	500
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/12/2007		M	600	06/04/2003	06/04/2008	Common Stock	600
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/12/2007		M	990	06/04/2003	06/04/2008	Common Stock	990
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/12/2007		M	100	06/04/2003	06/04/2008	Common Stock	100
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/12/2007		M	470	06/04/2003	06/04/2008	Common Stock	470
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/12/2007		M	500	06/04/2003	06/04/2008	Common Stock	500
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/12/2007		M	400	06/04/2003	06/04/2008	Common Stock	400
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/12/2007		M	100	06/04/2003	06/04/2008	Common Stock	100
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/12/2007		M	5,540	06/04/2003	06/04/2008	Common Stock	5,540
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/12/2007		M	600	06/04/2003	06/04/2008	Common Stock	600
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/12/2007		M	200	06/04/2003	06/04/2008	Common Stock	200

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MELDRUM PETER D 320 WAKARA WAY SALT LAKE CITY, UT 84108	X		President & C.E.O.	

Signatures

By: Richard M. Marsh For: Peter D.
Meldrum 09/14/2007

__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.