

MYRIAD GENETICS INC  
Form 4  
September 14, 2007

**FORM 4**

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

OMB APPROVAL

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**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)  
09/14/2007

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 Indirect Beneficial Ownership (Instr. 4)
			Code	V Amount (A) or (D) Price			
Common Stock	09/14/2007		M	5,345 A \$ 9.3125	155,507	D	
Common Stock	09/14/2007		S	5,345 D \$ 47	150,162	D	
Common Stock	09/14/2007		M	100 A \$ 9.3125	150,262	D	
Common Stock	09/14/2007		S	100 D \$ 47.01	150,162	D	
Common Stock	09/14/2007		M	2,000 A \$ 9.3125	152,162	D	

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Common Stock	09/14/2007	S	2,000	D	\$ 47.02	150,162	D
Common Stock	09/14/2007	M	500	A	\$ 9.3125	150,662	D
Common Stock	09/14/2007	S	500	D	\$ 47.04	150,162	D
Common Stock	09/14/2007	M	353	A	\$ 9.3125	150,515	D
Common Stock	09/14/2007	S	353	D	\$ 47.05	150,162	D
Common Stock	09/14/2007	M	100	A	\$ 9.3125	150,262	D
Common Stock	09/14/2007	S	100	D	\$ 47.06	150,162	D
Common Stock	09/14/2007	M	300	A	\$ 9.3125	150,462	D
Common Stock	09/14/2007	S	300	D	\$ 47.08	150,162	D
Common Stock	09/14/2007	M	500	A	\$ 9.3125	150,662	D
Common Stock	09/14/2007	S	500	D	\$ 47.09	150,162	D
Common Stock	09/14/2007	M	864	A	\$ 9.3125	151,026	D
Common Stock	09/14/2007	S	864	D	\$ 47.11	150,162	D
Common Stock	09/14/2007	M	200	A	\$ 9.3125	150,362	D
Common Stock	09/14/2007	S	200	D	\$ 47.12	150,162	D
Common Stock	09/14/2007	M	300	A	\$ 9.3125	150,462	D
Common Stock	09/14/2007	S	300	D	\$ 47.14	150,162	D
Common Stock	09/14/2007	M	700	A	\$ 9.3125	150,862	D
Common Stock	09/14/2007	S	700	D	\$ 47.15	150,162	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)

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

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	09/14/2007		M	5,345	06/04/2003	06/04/2008	Common Stock	5,345
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/14/2007		M	100	06/04/2003	06/04/2008	Common Stock	100
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/14/2007		M	2,000	06/04/2003	06/04/2008	Common Stock	2,000
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/14/2007		M	500	06/04/2003	06/04/2008	Common Stock	500
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/14/2007		M	353	06/04/2003	06/04/2008	Common Stock	353
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/14/2007		M	100	06/04/2003	06/04/2008	Common Stock	100
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/14/2007		M	300	06/04/2003	06/04/2008	Common Stock	300
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/14/2007		M	500	06/04/2003	06/04/2008	Common Stock	500
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/14/2007		M	864	06/04/2003	06/04/2008	Common Stock	864

Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/14/2007	M	200	06/04/2003	06/04/2008	Common Stock	20
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/14/2007	M	300	06/04/2003	06/04/2008	Common Stock	30
Non-Qualified Stock Option (right to buy)	\$ 9.3125	09/14/2007	M	700	06/04/2003	06/04/2008	Common Stock	70

## 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.

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