MYRIAD GENETICS INC

Form 4

February 17, 2012

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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

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).

(Print or Type Responses)

1. Name and Address of Reporting Person * MELDRUM PETER D			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
			MYRIAD GENETICS INC [MYGN]	(Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction				
			(Month/Day/Year)	X Director 10% Owner			
320 WAKARA WAY			02/16/2012	_X_ Officer (give titleOther (specify below)			
				President & C.E.O.			
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
			Filed(Month/Day/Year)	Applicable Line)			
SALT LAKE CITY, UT 84108				_X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			

(City)	(State)	(Zip) Tab	le I - Non-	Derivative	Secur	ities Acquir	ed, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securition Dispose (Instr. 3, 4	ed of (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)
Common Stock	02/16/2012		M	4,684	A	\$ 12.64	185,605	D	
Common Stock	02/16/2012		S	4,684	D	\$ 23.518	180,921	D	
Common Stock	02/16/2012		M	5,592	A	\$ 12.64	186,513	D	
Common Stock	02/16/2012		S	5,592	D	\$ 23.518	180,921	D	
Common Stock	02/16/2012		M	10,000	A	\$ 8.68	190,921	D	

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Common Stock	02/16/2012	S	10,000	D	\$ 23.8262	180,921	D
Common Stock	02/16/2012	S	20	D	\$ 23.78	180,901	D
Common Stock	02/17/2012	M	10,000	A	\$ 8.68	190,901	D
Common Stock	02/17/2012	S	10,000	D	\$ 24.0007	180,901	D

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 (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. Transactio Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amour Underlying Securit (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo or Num of Sh
Non-Qualified Stock Option (right to buy)	\$ 8.68	02/16/2012		M	10,000	<u>(1)</u>	08/16/2012	Common Stock	10,0
Non-Qualified Stock Option (right to buy)	\$ 8.68	02/17/2012		M	10,000	<u>(1)</u>	08/16/2012	Common Stock	10,0
Non-Qualified Stock Option (right to buy)	\$ 12.64	02/16/2012		M	4,684	<u>(1)</u>	02/22/2012	Common Stock	4,6
Non-Qualified Stock Option (right to buy)	\$ 12.64	02/16/2012		M	5,592	<u>(1)</u>	02/22/2012	Common Stock	5,5

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		

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MELDRUM PETER D
320 WAKARA WAY X President & C.E.O.
SALT LAKE CITY, UT 84108

Signatures

By: Richard Marsh For: Peter D.
Meldrum
02/17/2012

**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.

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