

MYRIAD GENETICS INC  
Form 4  
December 21, 2007

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
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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 \*  
LANGER DENNIS

(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)  
12/19/2007

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)

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)
			Code	V	Amount (A) or (D) Price		
Common Stock	12/19/2007		M		2,000 A \$ 17.23	2,000	D
Common Stock	12/19/2007		S		2,000 D \$ 47.5	0	D
Common Stock	12/19/2007		M		2,900 A \$ 17.23	2,900	D
Common Stock	12/19/2007		S		2,900 D \$ 47.51	0	D
Common Stock	12/19/2007		M		4,800 A \$ 17.23	4,800	D
	12/19/2007		S		4,800 D	0	D

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Common Stock						\$ 47.52		
Common Stock	12/19/2007	M	300	A	\$ 17.23	300		D
Common Stock	12/19/2007	S	300	D	\$ 47.53	0		D
Common Stock	12/20/2007	M	3,000	A	\$ 17.23	3,000		D
Common Stock	12/20/2007	S	3,000	D	\$ 48.06	0		D
Common Stock	12/20/2007	M	2,000	A	\$ 17.23	2,000		D
Common Stock	12/20/2007	S	2,000	D	\$ 48.09	0		D
Common Stock	12/20/2007	M	1,069	A	\$ 19.5	1,069		D
Common Stock	12/20/2007	S	1,069	D	\$ 47	0		D
Common Stock	12/20/2007	M	2,000	A	\$ 19.5	2,000		D
Common Stock	12/20/2007	S	2,000	D	\$ 47.26	0		D
Common Stock	12/20/2007	M	4,000	A	\$ 19.5	4,000		D
Common Stock	12/20/2007	S	4,000	D	\$ 47.3	0		D
Common Stock	12/20/2007	M	2,129	A	\$ 19.5	2,129		D
Common Stock	12/20/2007	S	2,129	D	\$ 47.31	0		D
Common Stock	12/20/2007	M	1,931	A	\$ 19.5	1,931		D
Common Stock	12/20/2007	S	1,931	D	\$ 47.32	0		D
Common Stock	12/20/2007	M	800	A	\$ 19.5	800		D
Common Stock	12/20/2007	S	800	D	\$ 47.38	0		D
Common Stock	12/20/2007	M	71	A	\$ 19.5	71		D
	12/20/2007	S	71	D	\$ 48	0		D

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Common Stock								
Common Stock	12/20/2007		M	2,000	A	\$ 19.5	2,000	D
Common Stock	12/20/2007		S	2,000	D	\$ 48.03	0	D
Common Stock	12/20/2007		M	1,000	A	\$ 19.5	1,000	D
Common Stock	12/20/2007		S	1,000	D	\$ 48.06	0	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. 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 Securities (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)	\$ 17.23	12/19/2007		M	2,000	(1) 05/01/2014		Common Stock	2,000
Non-Qualified Stock Option (right to buy)	\$ 17.23	12/19/2007		M	2,900	(1) 05/01/2014		Common Stock	2,900
Non-Qualified Stock Option (right to buy)	\$ 17.23	12/19/2007		M	4,800	(1) 05/01/2014		Common Stock	4,800
Non-Qualified Stock Option (right to buy)	\$ 17.23	12/19/2007		M	300	(1) 05/01/2014		Common Stock	300
Non-Qualified Stock Option	\$ 17.23	12/20/2007		M	3,000	(1) 05/01/2014		Common Stock	3,000

(right to buy)									
Non-Qualified Stock Option (right to buy)	\$ 17.23	12/20/2007	M	2,000	<u>(1)</u>	05/01/2014	Common Stock	2,000	
Non-Qualified Stock Option (right to buy)	\$ 19.5	12/20/2007	M	1,069	<u>(1)</u>	11/11/2014	Common Stock	1,069	
Non-Qualified Stock Option (right to buy)	\$ 19.5	12/20/2007	M	2,000	<u>(1)</u>	11/11/2014	Common Stock	2,000	
Non-Qualified Stock Option (right to buy)	\$ 19.5	12/20/2007	M	4,000	<u>(1)</u>	11/11/2014	Common Stock	4,000	
Non-Qualified Stock Option (right to buy)	\$ 19.5	12/20/2007	M	2,129	<u>(1)</u>	11/11/2014	Common Stock	2,129	
Non-Qualified Stock Option (right to buy)	\$ 19.5	12/20/2007	M	1,931	<u>(1)</u>	11/11/2014	Common Stock	1,931	
Non-Qualified Stock Option (right to buy)	\$ 19.5	12/20/2007	M	800	<u>(1)</u>	11/11/2014	Common Stock	800	
Non-Qualified Stock Option (right to buy)	\$ 19.5	12/20/2007	M	71	<u>(1)</u>	11/11/2014	Common Stock	71	
Non-Qualified Stock Option (right to buy)	\$ 19.5	12/20/2007	M	2,000	<u>(1)</u>	11/11/2014	Common Stock	2,000	
Non-Qualified Stock Option (right to buy)	\$ 19.5	12/20/2007	M	1,000	<u>(1)</u>	11/11/2014	Common Stock	1,000	

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
LANGER DENNIS 320 WAKARA WAY SALT LAKE CITY, UT 84108	X			

## Signatures

By: Richard Marsh For: Dennis H.  
Langer 12/21/2007

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).
- (1) One third vests annually beginning on the 1st anniversary of the option date.

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.