MYRIAD GENETICS INC

Form 4

August 31, 2006

FORM 4

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005 Estimated average

0.5

OMB APPROVAL

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

burden hours per response...

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * HAYES ARTHUR HULL JR			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			08/30/2006	Officer (give title below) Other (specify below)		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person		
SALT LAKE CITY, UT 84108				Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Tab	le I - Non-	Derivativo	e Secu	rities Acqui	red, 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. Transactio Code (Instr. 8)	4. Securities Acquired (A) omr Disposed of (D) (Instr. 3, 4 and 5) (A) or			5. Amount of Securities Ownership Beneficially Form: Owned Direct (D) Following or Indirect Reported (I) Transaction(s) (Instr. 4) (Instr. 3 and 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common			Code V	Amount	(D)	Price	(msu. 3 and 4)		
Stock	08/30/2006		M	5,000	A	\$ 14.125	5,000	D	
Common Stock	08/30/2006		S	5,000	D	\$ 25.102	0	D	
Common Stock	08/30/2006		M	5,000	A	\$ 14.125	5,000	D	
Common Stock	08/30/2006		S	5,000	D	\$ 25.1352	0	D	
Common Stock	08/30/2006		M	5,000	A	\$ 14.125	5,000	D	
	08/30/2006		S	5,000	D	\$ 25.15	0	D	

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Common Stock

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

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SEC 1474

(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. Transactic 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 Underlying Securitie (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amour or Number of Shares
Non-Qualified Stock Option (right to buy)	\$ 14.125	08/30/2006		M	5,000	<u>(1)</u>	11/15/2006	Common Stock	5,00
Non-Qualified Stock Option (right to buy)	\$ 14.125	08/30/2006		M	5,000	<u>(1)</u>	11/15/2006	Common Stock	5,00
Non-Qualified Stock Option (right to buy)	\$ 14.125	08/30/2006		M	5,000	<u>(1)</u>	11/15/2006	Common Stock	5,00

Reporting Owners

Reporting Owner Name / Address	Relationships						
reporting owner rune, rune ess	Director	10% Owner	Officer	Other			
HAYES ARTHUR HULL JR 320 WAKARA WAY SALT LAKE CITY, UT 84108	X						

Signatures

By: Richard M. Marsh For: Arthur H. Hayes Jr.,

M.D. 08/31/2006

**Signature of Reporting Person Date

Reporting Owners 2

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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.