

Monogram Biosciences, Inc.
Form 4
August 06, 2009

FORM 4

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

OMB APPROVAL

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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 *
LABORATORY CORP OF AMERICA HOLDINGS

2. Issuer Name and Ticker or Trading Symbol
Monogram Biosciences, Inc. [[MGRM]]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

358 S MAIN ST

(Street)

3. Date of Earliest Transaction (Month/Day/Year)
08/04/2009

____ Director
____ Officer (give title below)
 10% Owner
____ Other (specify below)

BURLINGTON, NC 27215

(City) (State) (Zip)

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

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 Ownership (Instr. 4)
				Code V Amount (A) or (D) Price			
Common Stock	08/04/2009		J ⁽¹⁾	10,623,670 ⁽¹⁾ A \$ 4.55	30,343,276	I	By Mastiff Acquisition Corp. ⁽²⁾

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)

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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)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction (Instr. 3 and 4)		
							Amount or Number of Shares				
						Date Exercisable	Expiration Date	Title			
						Code	V	(A)	(D)		

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
LABORATORY CORP OF AMERICA HOLDINGS 358 S MAIN ST BURLINGTON, NC 27215		X		

Signatures

/s/ F. Samuel Eberts III, Authorized Person	08/06/2009
**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) These shares were acquired pursuant to the exercise of the Top-Up Option set forth in the Agreement and Plan of Merger, dated June 22, 2009 among Laboratory Corporation of America Holdings, Mastiff Acquisition Corp., and the issuer.
- (2) These shares are owned directly by Mastiff Acquisition Corp., which is a wholly-owned subsidiary of LabCorp. LabCorp is the indirect beneficial owner of the reported securities.

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.