

Monogram Biosciences, Inc.
 Form 3
 August 06, 2009

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF 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 *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Â LABORATORY CORP OF AMERICA HOLDINGS		(Month/Day/Year)	Monogram Biosciences, Inc. [[MGRM]]	
(Last)	(First)	(Middle)	4. Relationship of Reporting Person(s) to Issuer	
358 S MAIN ST			(Check all applicable)	
(Street)			<input type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below)	
BURLINGTON,Â NCÂ 27215			5. If Amendment, Date Original Filed(Month/Day/Year)	
(City)	(State)	(Zip)	6. Individual or Joint/Group Filing(Check Applicable Line)	
			<input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person	

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	19,719,606	I	By Mastiff Acquisition Corp. ⁽¹⁾

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

SEC 1473 (7-02)

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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
		Title			

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	Date Exercisable	Expiration Date		Amount or Number of Shares	\$		or Indirect (I) (Instr. 5)
Top-Up Option (right to buy)	08/04/2009	Â (2)	Common Stock	10,623,670	\$ 4.55		I
							By Mastiff Acquisition Corp. (3)

Reporting Owners

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

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 5(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 are owned directly by Mastiff Acquisition Corp., which is a wholly-owned subsidiary of Laboratory Corporation of America Holdings ("LabCorp"). LabCorp is the indirect beneficial owner of the reported securities.

- (2) The Top-Up Option is exercisable, in whole but not in part, at any time prior to the earlier of (i) the Effective Time (as defined in the Agreement and Plan of Merger, dated June 22, 2009 among LabCorp, Mastiff Acquisition Corp., and the issuer (the "Merger Agreement"), filed as Exhibit 2.1 to the Form 8-K filed by the issuer with the Securities and Exchange Commission on June 24, 2009) and (ii) the termination of the Merger Agreement pursuant to Section 7.1 thereof.

- (3) The right to exercise the Top-Up Option is held directly by Mastiff Acquisition Corp., which is a wholly-owned subsidisry 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.

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