

Monogram Biosciences, Inc.  
 Form 3  
 August 06, 2009

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

OMB APPROVAL

OMB Number: 3235-0104  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

**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 *<br>Â LABORATORY CORP OF AMERICA HOLDINGS<br><br>(Last) (First) (Middle)<br><br>358 S MAIN ST<br><br>(Street)<br><br>BURLINGTON,Â NCÂ 27215<br><br>(City) (State) (Zip) | 2. Date of Event Requiring Statement<br>(Month/Day/Year)<br>08/04/2009 | 3. Issuer Name and Ticker or Trading Symbol<br>Monogram Biosciences, Inc. [[MGRM]] | 4. Relationship of Reporting Person(s) to Issuer<br><br>(Check all applicable)<br>___ Director ___X___ 10% Owner<br>___ Officer ___ Other<br>(give title below) (specify below) | 5. If Amendment, Date Original Filed(Month/Day/Year) | 6. Individual or Joint/Group Filing(Check Applicable Line)<br>_X_ Form filed by One Reporting Person<br>___ Form filed by More than One Reporting Person |
|--|--|--|---|--|--|

**Table I - Non-Derivative Securities Beneficially Owned**

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

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

SEC 1473 (7-02)

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

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

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

