

LABORATORY CORP OF AMERICA HOLDINGS  
Form 8-K  
February 21, 2008

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

WASHINGTON, D.C. 20549

**FORM 8-K**

**CURRENT REPORT**

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

February 21, 2008  
(Date of earliest event reported)

**LABORATORY CORPORATION OF  
AMERICA HOLDINGS**

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(Exact Name of Registrant as Specified in its Charter)

**DELAWARE**

**1-11353**

**13-3757370**

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(State or other jurisdiction  
of Incorporation)

(Commission  
File Number)

(I.R.S.  
Employer  
Identification  
No.)

**358 SOUTH MAIN STREET,  
BURLINGTON, NORTH CAROLINA**

**27215**

**336-229-1127**

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(Address of principal executive offices)

(Zip  
Code)

(Registrant's telephone number including area  
code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- .. Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- .. Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- .. Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- .. Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

ITEM 7.01. Regulation FD Disclosure

On February 21, 2008, Laboratory Corporation of America® Holdings (LabCorp®) (NYSE: LH) announced that Yale University has released the results of its Phase II study on a blood test to detect early stage ovarian cancer. Using six biomarkers, this blood test can discriminate between disease-free women and ovarian cancer patients (stage I-IV) with high specificity (99.4%) and sensitivity (95.3%). A Phase III trial is under way and should be completed in a few months. Initial studies are focused on women who have increased risk for the development of ovarian cancer.

Exhibits

99.1 Press Release dated February 21, 2008

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Laboratory Corporation of America Holdings  
(Registrant)

Date: February 21, 2008

By: /s/Bradford T. Smith  
Bradford T. Smith, Executive Vice  
President  
and Secretary