TRANSGENOMIC INC	
Form 8-K	
April 26, 2012	

UNI	TED	STA	ATES
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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

Date of Report (Date of earliest event reported):

April 26, 2012

TRANSGENOMIC, INC.

(Exact name of registrant as specified in its charter)

Delaware 000-30975 911789357

(State or Other Jurisdiction of Incorporation) (Commission File Number) (IRS Employer Identification Number)

12325 Emmet Street, Omaha, Nebraska 68164 (Address of principal executive offices) (Zip Code)

(402) 452-5400

(Registrant's telephone number, including area code)

Not applicable

(Former name or former address, if changed since last report)

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 2.02 Results of Operations and Finar	ncial Condition.
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The	in	formation	contained	in Item	7.01	below	is	incor	porated	in	this	Item	2.02	by	reference.

In accordance with General Instruction B.2 of Form 8-K, the information in this Current Report on Form 8-K shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liability of that section, and shall not be incorporated by reference into any registration statement or other document filed under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such filing.

Item 7.01 Regulation FD Disclosure.

The Company's laboratory information management system (LIMS) installed at its New Haven, Connecticut laboratory testing facility experienced a software failure that resulted in reduced sample processing capacity.

The Company has reviewed and improved its internal procedures to secure proper function of the LIMS. The Company believes that full sample processing capacity has been restored and expects to complete the sample backlog caused by the LIMS failure by June 2012.

SIGNATURES

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

Dated: April 26, 2012 $\frac{\text{TRANSGENOMIC}}{\text{INC}}$.

By:/s/ Brett L. Frevert Brett L. Frevert Chief Financial Officer