# **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

Date of Report (Date of earliest event reported): June 1, 2007

HOLOGIC, INC.

(Exact Name of Registrant as Specified in Its Charter)

**DELAWARE** 

(State or Other Jurisdiction of Incorporation)

0-18281 (Commission File Number) 04-2902449 (I.R.S. Employer Identification No.)

35 Crosby Street, Bedford, MA (Address of Principal Executive Offices)

01730 (Zip Code)

(781) 999-7300

(Registrant s Telephone Number, Including Area Code)

(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 (*see* General Instruction A.2. below):

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- x 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))

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#### ITEM 8.01 OTHER EVENTS

On June 1, 2007, Hologic, Inc., a Delaware corporation (<u>Hologic</u>) filed with the U.S. Department of Justice and the Federal Trade Commission a Notification and Report Form pursuant to the Hart-Scott-Rodino Antitrust Improvements Act of 1976, as amended, with respect to the transactions contemplated by the Agreement and Plan of Merger, dated as of May 20, 2007, by and among Hologic, Nor easter Corp., and Cytyc Corporation (<u>Cytyc</u>). Cytyc also filed its notification on June 1, 2007. Based on the reviews and analyses performed by Hologic and Cytyc, the parties do not believe that any other anti-trust related filings are required in any foreign jurisdictions.

### Important Information for Investors and Stockholders

Hologic and Cytyc will file a joint proxy statement/prospectus with the SEC in connection with the proposed merger. Hologic and Cytyc urge investors and stockholders to read the joint proxy statement/prospectus when it becomes available and any other relevant documents filed by either party with the SEC because they will contain important information.

Investors and stockholders will be able to obtain the joint proxy statement/prospectus and other documents filed with the SEC free of charge at the website maintained by the SEC at www.sec.gov. In addition, documents filed with the SEC by Hologic will be available free of charge on the investor relations portion of the Hologic website at www.hologic.com. Documents filed with the SEC by Cytyc will be available free of charge on the investor relations portion of the Cytyc website at www.cytyc.com.

### Participants in the Solicitation

Hologic, and certain of its directors and executive officers, may be deemed participants in the solicitation of proxies from the stockholders of Hologic in connection with the merger. The names of Hologic is directors and executive officers and a description of their interests in Hologic are set forth in the proxy statement for Hologic is 2006 annual meeting of stockholders, which was filed with the SEC on January 25, 2007. Cytyc, and certain of its directors and executive officers, may be deemed to be participants in the solicitation of proxies from its stockholders in connection with the merger. The names of Cytyc is directors and executive officers and a description of their interests in Cytyc is set forth in Cytyc is Annual Report on Form 10-K/A for the fiscal year ended December 31, 2006, which was filed with the SEC on April 30, 2007. Investors and stockholders can obtain more detailed information regarding the direct and indirect interests of Hologic is and Cytyc is directors and executive officers in the merger by reading the definitive joint proxy statement/prospectus when it becomes available.

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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, thereunto duly authorized.

Dated: June 4, 2007

HOLOGIC, INC.

By: /s/ Glenn P. Muir

Glenn P. Muir, Chief Financial Officer,

Executive Vice President, Finance and Treasurer