HOLOGIC INC Form 4 October 24, 2007

FORM 4

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

Check this box if no longer

subject to Section 16. Form 4 or Form 5

obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN 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 * LEVANGIE DANIEL J

(First) (Middle)

35 CROSBY DRIVE

(Last)

(City)

Common

Stock (1)

(Street)

(State)

10/22/2007

BEDFORD, MA 01730

2. Issuer Name and Ticker or Trading

Symbol

HOLOGIC INC [HOLX] 3. Date of Earliest Transaction

(Month/Day/Year) 10/22/2007

4. If Amendment, Date Original Filed(Month/Day/Year)

OMB APPROVAL

OMB Number:

3235-0287

2005

January 31, Expires:

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0.5

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

X_ Director 10% Owner Other (specify Officer (give title below)

6. Individual or Joint/Group Filing(Check Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

(Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

Code V Amount

4. Securities

5. Amount of Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct (D) or Indirect (I) (Instr. 4)

Indirect Beneficial Ownership (Instr. 4)

Transaction(s) (Instr. 3 and 4)

(D) Price

6,334 6,334 A A <u>(1)</u>

(A)

or

D

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

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(9-02)

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

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	Code	5. Number of Derivative Securities Acquired (or Dispose (D) (Instr. 3, 4 and 5)	(A) ed of	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amoun Underlying Securit (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amo or Num of Sh
Incentive Stock Option	\$ 16.45	10/22/2007		A	12,156		10/22/2007	11/20/2013	Common Stock	12,1
Nonqualified Stock Option (2)	\$ 16.45	10/22/2007		A	61,659		10/22/2007	11/20/2013	Common Stock	61,6
Incentive Stock Option	\$ 31.62	10/22/2007		A	3,162		10/22/2007	02/09/2015	Common Stock	3,1
Nonqualified Stock Option (2)	\$ 31.62	10/22/2007		A	54,505		10/22/2007	02/09/2015	Common Stock	54,5
Incentive Stock Option	\$ 36.92	10/22/2007		A	2,708		10/22/2007	01/24/2016	Common Stock	2,7
Nonqualified Stock Option (2)	\$ 36.92	10/22/2007		A	83,794		10/22/2007	01/24/2016	Common Stock	83,7
Incentive Stock Option	\$ 36.65	10/22/2007		A	2,728		10/22/2007	01/23/2017	Common Stock	2,7
Nonqualified Stock Option (2)	\$ 36.64	10/22/2007		A	47,250		10/22/2007	01/23/2017	Common Stock	47,2

Reporting Owners

Reporting Owner Name / Address	Relationships						
Transfer de la companya de la compan	Director	10% Owner	Officer	Other			
LEVANGIE DANIEL J							
35 CROSBY DRIVE	X						
BEDFORD, MA 01730							

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Signatures

/s/ Frances S. Crecco, Attorney-in-Fact For: Daniel J.
Levangie 10/24/2007

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(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).
- Received in exchange for shares of Cytyc Corporation common stock in connection with the merger of Cytyc Corporation with Nor'easter

 (1) Corp. a wholly cytrad subsidiary of Hologic Inc. (the "Margar") On the effective data of the Margar, the classing price of Hologic Inc. (special price of Hologic Inc.)
- (1) Corp., a wholly-owned subsidiary of Hologic, Inc. (the "Merger"). On the effective date of the Merger, the closing price of Hologic Inc.'s common stock was \$65.63 per share.
- (2) Received in the Merger in exchange for an option to purchase shares of Cytyc Corporation common stock.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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