

HOLOGIC INC  
Form 4/A  
January 18, 2008

**FORM 4**

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

OMB APPROVAL

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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 \*  
**PEKARSKY JOHN R**

(Last) (First) (Middle)  
**35 CROSBY DRIVE**  
  
(Street)

**BEDFORD, MA 01730**

(City) (State) (Zip)

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)  
**10/24/2007**

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
**Senior Vice President**

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
\_\_\_\_ Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of Security (Instr. 3)    | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|------------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
|                                    |                                      |  | Code                           | V   | Amount (A) or (D) Price   |  |                                   |
| Common Stock <u>(1)</u> <u>(2)</u> | 10/22/2007                           |  | A                              |   | 381 A \$ 0 2,037  | D  |                                   |
| Common Stock <u>(2)</u>            | 10/22/2007                           |  | F                              |   | 136 D \$ 0 1,901  | D  |                                   |

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

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SEC 1474 (9-02)

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

| 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) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|
|  |  |                                      |  |                                |   | Date Exercisable   | Expiration Date   | Title                                      | Amount or Number of Shares                         |
|  |  |                                      |  |                                |   | Code   | V   | (A)  | (D)  |

## Reporting Owners

| Reporting Owner Name / Address                          | Relationships |           |                       |       |
|---|---------------|-----------|-----------------------|-------|
|   | Director      | 10% Owner | Officer               | Other |
| PEKARSKY JOHN R<br>35 CROSBY DRIVE<br>BEDFORD, MA 01730 |               |           | Senior Vice President |       |

## Signatures

/s/ Frances S. Crecco, Attorney-in-Fact For: John R. Pekarsky

01/18/2008

\_\_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).

- (1) These shares represent restricted stock units RSUs awarded to the Reporting Person pursuant to the Second Amended and Restated 1999 Stock Incentive Plan and are subject to vesting as provided in the agreement evidencing the award.
- (2) The amendments reported in the Form 4/A, including changes to the amount of securities beneficially owned following reported transaction carry through the Form 4 filed on December 12, 2007.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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