

HOLOGIC INC  
Form 4  
September 14, 2012

**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 \*  
MUIR GLENN P

(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)  
09/12/2012

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
Executive VP and CFO

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 or Price   |  |                                   |
| Common Stock                               | 09/12/2012                           |  | M                              |   | \$ 2.375 816,314  | D  |                                   |
| Common Stock <sup>(1)</sup> <sub>(2)</sub> | 09/12/2012                           |  | S                              |   | \$ 19.845 773,414   | D  |                                   |
| Common Stock <sup>(3)</sup>                | 09/12/2012                           |  | M                              |   | \$ 2.375 799,264  | D  |                                   |

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form

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 Security (Instr. 3 and 4) | 8. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|
| Non-qualified Stock Option (Right to Buy)  | \$ 2.375   | 09/12/2012                           |  | M                              | 42,900  | 09/17/2003 09/17/2012                                    | Common Stock  | 42,900                        |
| Non-qualified Stock Option (Right to Buy)  | \$ 2.375   | 09/12/2012                           |  | M                              | 25,850  | 09/17/2003 09/17/2012                                    | Common Stock  | 25,850                        |

## Reporting Owners

| Reporting Owner Name / Address                       | Relationships |           |                      |       |
|--|---------------|-----------|----------------------|-------|
|  | Director      | 10% Owner | Officer              | Other |
| MUIR GLENN P<br>35 CROSBY DRIVE<br>BEDFORD, MA 01730 | X             |           | Executive VP and CFO |       |

## Signatures

Mark J. Casey, attorney-in-fact for Glenn P. Muir  
Date: 09/14/2012

\*\*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) The transaction reported herein was made pursuant to a written trading plan adopted in accordance with SEC Rule 10b5-1 on May 8, 2012. As specified in Column 6 of Table II below, the Non-qualified Stock Option is due to expire on September 17, 2012.

(2) The transaction reported herein reflects an aggregate of sales at prices ranging from \$19.68 to \$20.01, inclusive. The Reporting Person further undertakes to provide upon request by the Commission staff, the Issuer, or a security holder of the Issuer, full disclosure with respect to the number of shares sold at each separate price.

(3) As specified in Column 6 of Table II below, the Non-qualified Stock Option is due to expire on September 17, 2012.

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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