

LEVANGIE DANIEL J
Form 4
December 10, 2007

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
Expires: January 31, 2005
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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 *
LEVANGIE DANIEL J

2. Issuer Name and Ticker or Trading Symbol
HOLOGIC INC [HOLX]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
250 CAMPUS DRIVE
(Street)

3. Date of Earliest Transaction (Month/Day/Year)
10/24/2007

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

MARLBOROUGH, MA 01752

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

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

(City) (State) (Zip)

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		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>	10/24/2007		M		73,814	A	\$ 16.45	80,148	D	
Common Stock <u>(2)</u>	10/24/2007		M		26,186	A	\$ 31.62	106,334	D	
Common Stock <u>(3)</u>	10/24/2007		S		100,000	D	\$ 65.7675	6,334	D	
Common Stock <u>(2)</u>	10/25/2007		M		31,481	A	\$ 31.62	37,815	D	
Common Stock <u>(2)</u>	10/25/2007		M		2,708	A	\$ 36.92	40,523	D	
	10/25/2007		M		65,811	A	\$ 36.92	106,334	D	

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Common Stock <u>(2)</u>							
Common Stock <u>(3)</u>	10/25/2007	S	100,000	D	\$ 66.2813	6,334	D
Common Stock <u>(2)</u>	10/26/2007	M	17,982	A	\$ 36.92	24,316	D
Common Stock <u>(2)</u>	10/26/2007	M	2,728	A	\$ 36.64	27,044	D
Common Stock <u>(2)</u>	10/26/2007	M	2,728	A	\$ 36.65	29,772	D
Common Stock <u>(2)</u>	10/26/2007	M	44,521	A	\$ 36.64	74,293	D
Common Stock <u>(3)</u>	10/26/2007	S	67,959	D	\$ 65.9815	6,334	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 displays a currently valid OMB control number.

SEC 1474
(9-02)

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)	Am or Num of S	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	
Non-Qualified Stock Option (right to buy) <u>(1)</u>	\$ 16.45	10/24/2007		M	73,814	10/22/2007	11/20/2013	Common Stock	73
Non-Qualified Stock Option (right to buy) <u>(2)</u>	\$ 31.62	10/24/2007		M	26,186	10/22/2007	02/09/2015	Common Stock	26
Non-Qualified Stock Option (right to buy)	\$ 31.62	10/25/2007		M	31,481	10/22/2007	02/09/2015	Common Stock	31

(2)

Non-Qualified Stock Option (right to buy)	\$ 36.64	10/26/2007	M	2,728	10/22/2007	01/23/2017	Common Stock	2,
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(2)

Non-Qualified Stock Option (right to buy)	\$ 36.64	10/26/2007	M	44,521	10/22/2007	01/23/2017	Common Stock	44,
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(2)

Non-Qualified Stock Option (right to buy)	\$ 36.65	10/26/2007	M	2,728	10/22/2007	01/23/2017	Common Stock	2,
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(2)

Non-Qualified Stock Option (right to buy)	\$ 36.92	10/25/2007	M	2,708	10/22/2007	01/24/2016	Common Stock	2,
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(2)

Non-Qualified Stock Option (right to buy)	\$ 36.92	10/25/2007	M	65,811	10/22/2007	01/24/2016	Common Stock	65,
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(2)

Non-Qualified Stock Option (right to buy)	\$ 36.92	10/26/2007	M	17,982	10/22/2007	01/24/2016	Common Stock	17,
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(2)

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
LEVANGIE DANIEL J 250 CAMPUS DRIVE MARLBOROUGH, MA 01752		X		

Signatures

By: Phyllis C. Howard, Attorney-in-Fact For: Daniel J.
Levangie

10/26/2007

**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).

(1) Issued under Issuer's 1995 Stock Plan in transactions exempt from Section 16 under Rule 16b-3.

(2) Issued under Issuer's 2004 Omnibus Stock Plan in transactions exempt from Section 16 under Rule 16b-3.

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- (3) The sale reported on this Form 4 was made pursuant to a written trading plan adopted in accordance with SEC Rule 10b5-1 on August 1, 2007.
- (4) Price not applicable to this transaction.

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.