HOLOGIC INC
Form 4/A
January 16, 2008

FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. *See* Instruction 1(b).

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

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

OMB APPROVAL
OMB Number: 3235-0287
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(Print or Type Responses)

1. Name and Address of Reporting Person *
SULLIVAN PATRICK J
(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)
10/24/2007

4. If Amendment, Date Original Filed(Month/Day/Year)
12/10/2007

5. Relationship of Reporting Person(s) to Issuer
(Check all applicable)
__X__ Director _____ 10% Owner
_____ Officer (give title below) _____ Other (specify 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

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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock (1)	10/24/2007		M		60,000	A	$ 14.05	189,064	D	
Common Stock (2)	10/24/2007		S		60,000	D	$ 65.9812	129,064	D	
Common Stock (1)	10/25/2007		M		60,000	A	$ 14.05	189,064	D	
Common Stock (2)	10/25/2007		S		60,000	D	$ 66.3326	129,064	D	
Common Stock (1)	10/26/2007		M		26,091	A	$ 14.05	155,155	D	
	10/26/2007		M		33,909	A	$ 16.46	189,064	D	

Common Stock (1)								
Common Stock (2)	10/26/2007		S	60,000	D	$ 65.9575	129,064	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)

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 Amoun Underlying Securit (Instr. 3 and 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amo or Num of Sh
Nonqualified Stock Option (1)	$ 14.05	10/24/2007		M		60,000		10/22/2007	08/19/2009	Common Stock	60,(
Nonqualified Stock Option (1)	$ 14.05	10/25/2007		M		60,000		10/22/2007	08/19/2009	Common Stock	60,(
Nonqualified Stock Option (1)	$ 14.05	10/26/2007		M		26,091		10/22/2007	08/19/2009	Common Stock	26,(
Nonqualified Stock Option (1)	$ 16.46	10/26/2007		M		33,909		10/22/2007	11/20/2009	Common Stock	33,9

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SULLIVAN PATRICK J 35 CROSBY DRIVE BEDFORD, MA 01730	X			

Signatures

/s/ Mark J. Casey, Attorney-in-Fact For: Patrick J. Sullivan	01/15/2008
**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) Originally issued under Cytyc Corporation's 1995 Stock Plan in transactions exempt from Section 16 under Rule 16b-3.

(2) The sale reported on this Form 4 was made pursuant to a written trading plan adopted in accordance with SEC Rule 10b5-1 on September 14, 2007.

(3) 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.
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