HOLOGIC INC Form 4 January 12, 2005

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Form 5 obligations may continue. See Instruction 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(b).

1. Name and Address of Reporting Person * STEIN JAY A			Issuer Name and Ticker or Trading Symbol HOLOGIC INC [HOLX]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check an applicable)		
35 CROSBY	DRIVE		(Month/Day/Year) 01/12/2005	_X_ Director 10% Owner _X_ Officer (give title Other (specify below) Chief Technology Officer		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
BEDFORD, MA 01730			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		
(City)	(State)	(Zip)	Table I - Non-Derivative Securities A	canired, Disposed of, or Beneficially Owned		

(City)	(State) (Table Table	e I - Non-D	erivative	Secur	ities Acqu	uired, Disposed of	f, or Beneficial	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Transaction Date 2A. Deemed execution Date, if any (Month/Day/Year)		3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			Owned Indirect (I) Ownersh Following (Instr. 4) (Instr. 4)		
Common			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		
Common Stock (1)	01/12/2005		S	2,000	D	\$ 26.25	209,077	D	
Common Stock	01/12/2005		M	2,000	A	\$ 8.25	211,077	D	
Common Stock (1)	01/12/2005		S	2,000	D	\$ 26.25	209,077	D	

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

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number.

5. Number

6. Date Exercisable and

7. Title and Amour

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

Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative Security	(Month/Day/Year)	Execution Date, if any (Month/Day/Year)	Transaction Derivative Code Securities (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		Code Securities (Month/Day/Year) (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4,		Underlying Securit (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo or Num of Share
Non-Qualified Stock Option	\$ 8.25	01/12/2005		M	2,000	06/28/1996	06/28/2005	Common Stock	2,0

Reporting Owners

2.

Reporting Owner Name / Address				
rg	Director 10% Owner		Officer	Other
STEIN JAY A 35 CROSBY DRIVE	X		Chief Technology Officer	
BEDFORD, MA 01730				

3. Transaction Date 3A. Deemed

Signatures

1. Title of

Jay Stein 01/12/2005

**Signature of 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 sales were made pursuant to a 10b5-1 plan adopted on August 5, 2004.

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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