HOLOGIC INC Form 4 October 21, 2004

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

Number: 3235-0287

Expires: January 31, 2005 Estimated average

burden hours per response... 0.5

5. Relationship of Reporting Person(s) to

if no longer subject to Section 16. Form 4 or Form 5 obligations

Check this box

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

2. Issuer Name and Ticker or Trading

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

may continue.

See Instruction

STEIN JAY A			Symbol HOLOGIC INC [HOLX]				Issuer (Check all applicable)		
(Last) 35 CROSB	, , ,	(M	Date of Earliest Tonth/Day/Year) /20/2004	ransaction			_X_ Director _X_ Officer (give below)	10%	Owner or (specify
DEDEODD	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting		
(City)	(State)	(Zip)					Person	·	
(City)	(State)	(Zip)	Table I - Non-I	Derivative	Secui	rities Acqu	uired, Disposed of	, or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Da any (Month/Day/	Code	4. Securi or(A) or D (Instr. 3,	ispose 4 and (A) or	d of (D)	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)
Common Stock (1)	10/20/2004		S	2,000	D	\$ 19.051	233,077	D	
Common Stock	10/20/2004		M	2,000	A	\$ 8.25	235,077	D	
Common Stock (1)	10/20/2004		S	2,000	D	\$ 19.051	233,077	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)	Transactic Code (Instr. 8)	omf Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Expiration Date (Month/Day/Year)		Underlying Securit (Instr. 3 and 4)	
				Code V	ŕ	Date Exercisable	Expiration Date	Title	Amo or Num of Share
Non-Qualified Stock Option	\$ 8.25	10/20/2004		M	2,000	06/28/1996	06/28/2005	Common Stock	2,0

Reporting Owners

2.

Reporting Owner Name / Address	Relationships					
• 0	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 10/21/2004

**Signature of Person Date

**Reporting Person

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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