**HOLOGIC INC** Form 4 March 17, 2005

## FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

30(h) of the Investment Company Act of 1940

**OMB APPROVAL** 

**OMB** 3235-0287 Number:

January 31, Expires: 2005

Estimated average burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5

**SECURITIES** Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue.

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * MUIR GLENN P			2. Issuer Name <b>and</b> 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	(Cheek an applicable)		
35 CROSBY	DRIVE		(Month/Day/Year) 03/16/2005	X Director 10% Owner Selection Other (specify below) below)  Executive VP and CFO		
	(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 Acc	quired, Disposed of, or Beneficially Owned		

·		Tabi	C I - MOII-D	ciivative	Secui	nies Acq	un cu, Disposcu o	i, or belieffcial	ly Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securi	ities A	cquired	5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	on(A) or D	ispose	d of (D)	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	(Instr. 3,	4 and	5)	Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)				Owned	Indirect (I)	Ownership
							Following	(Instr. 4)	(Instr. 4)
							Reported	Ì	
					(A)		Transaction(s)		
					or		(Instr. 3 and 4)		
			Code V	Amount	(D)	Price	( ,		
Common Stock	03/16/2005		M	2,320	A	\$ 8.25	57,128	D	
Common Stock (1)	03/16/2005		S	2,320	D	\$ 34.34	54,808	D	

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

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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. Transactic Code (Instr. 8)	5. Number conf Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exerci Expiration Dat (Month/Day/Y	te	7. Title and Underlying (Instr. 3 and	g Securit
						Date Exercisable	Expiration Date	Title	Amo or Num of

Code V (A)

M

(D)

2,320 06/28/1995 05/28/2005

Shar

2,3

Common

Stock

## **Reporting Owners**

\$ 8.25

Reporting Owner Name / Address	Relationships
reporting owner runner runaress	

03/16/2005

Director 10% Owner Officer Other

MUIR GLENN P

Non-Qualified

**Stock Option** 

35 CROSBY DRIVE X Executive VP and CFO

BEDFORD, MA 01730

## **Signatures**

Glenn Muir 03/17/2005

\*\*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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