

Bebo Allison P
 Form 3
 September 21, 2017

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF 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			2. Date of Event Requiring Statement		3. Issuer Name and Ticker or Trading Symbol	
* ^ Bebo Allison P			(Month/Day/Year) 09/13/2017		HOLOGIC INC [HOLX]	
(Last)	(First)	(Middle)	4. Relationship of Reporting Person(s) to Issuer			5. If Amendment, Date Original Filed(Month/Day/Year)
250 CAMPUS DRIVE			(Check all applicable)			6. Individual or Joint/Group Filing(Check Applicable Line)
(Street)			___ Director ___ 10% Owner			___X___ Form filed by One Reporting Person
MARLBOROUGH, MA 01752			___X___ Officer ___ Other (specify below)			___ Form filed by More than One Reporting Person
(City) (State) (Zip)			SVP, Human Resources			

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	15,473 ⁽¹⁾ ₍₂₎	D	^

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

SEC 1473 (7-02)

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable Expiration Date	Title Amount or Number of			

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				Shares		(I) (Instr. 5)	
Non-qualified Stock Option (Right to Buy)	Â (3)	11/05/2025	Common Stock	9,541	\$ 39.96	D	Â
Non-qualified Stock Option (Right to Buy)	Â (3)	12/01/2026	Common Stock	10,775	\$ 37.64	D	Â
Non-qualified Stock Option (Right to Buy)	Â (4)	03/01/2025	Common Stock	9,065	\$ 32.38	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Bebo Allison P 250 CAMPUS DRIVE MARLBOROUGH, MA 01752	Â	Â	Â SVP, Human Resources	Â

Signatures

/s/ Patricia K. Dolan, attorney-in-fact for Ms. Bebo 09/21/2017

__Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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) Includes Restricted Stock Units (RSUs) which vest in equal installments on each of the first three or four anniversaries of the grant date and are settled in shares of common stock.
- (2) Includes 4,736 shares or RSUs subject to deferral pursuant to the Issuer's Deferred Equity Plan.
- (3) This option to purchase common stock becomes exercisable in equal installments on each of the first four anniversaries of the grant date.
- (4) This option to purchase common stock becomes exercisable in equal installments on each of the first five anniversaries of the grant date.

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.