

FORM 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

- Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).
- Form 3 Holdings Reported.
- Form 4 Transactions Reported.

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL	
OMB Number:	3235-0362
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1. Name and Address of Reporting Person* <u>Holloway Jean F</u>			2. Issuer Name and Ticker or Trading Symbol <u>CRYOLIFE INC [CRY]</u>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>VP, General Counsel</u>		
(Last)	(First)	(Middle)	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) <u>12/31/2016</u>			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person		
1655 ROBERTS BLVD., NW			4. If Amendment, Date of Original Filed (Month/Day/Year)					
(Street) <u>KENNESAW GA 30144</u>								
(City) (State) (Zip)								

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 at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
				Amount	(A) or (D)	Price			
Common Stock	06/30/2016	06/30/2016	M	1,205 ⁽¹⁾	A	\$9.163	53,358	D	
Common Stock	12/31/2016	12/31/2016	M	1,000 ⁽¹⁾	A	\$10.2	54,358	D	
Common Stock	06/30/2017	06/30/2017	M	714 ⁽¹⁾	A	\$16.2775	55,072	D	

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 Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					(A)	(D)	Date Exercisable	Expiration Date						Title
Stock Option (Right to Buy)	\$9.163	06/30/2016	06/30/2016	A	1,205		06/30/2016	06/30/2016	Common Stock	1,205	\$0	1,205	D	
Stock Option(Right to Buy)	\$9.163	06/30/2016	06/30/2016	A		1,205	06/30/2016	06/30/2016	Common Stock	1,205	\$0	0	D	
Stock Option (Right to Buy)	\$10.2	12/31/2016	12/31/2016	A	1,000		12/31/2016	12/31/2016	Common Stock	1,000	\$0	1,000	D	
Stock Option (Right to Buy)	\$10.2	12/31/2016	12/31/2016	A		1,000	12/31/2016	12/31/2016	Common Stock	1,000	\$0	0	D	
Stock Option (Right to Buy)	\$16.2775	06/30/2017	06/30/2017	A	714		06/30/2017	07/30/2017	Common Stock	714	\$0	714	D	
Stock Option (Right to Buy)	\$16.2775	06/30/2017	06/30/2017	M	714		06/30/2017	06/30/2017	Common Stock	714	\$0	0	D	

Explanation of Responses:

1. These shares were acquired pursuant to CryoLife Inc.'s Employee Stock Purchase Plan (ESPP). The shares were acquired in transactions exempt from Section 16b-3.

/s/ Jean Holloway

07/11/2017

** Signature of Reporting Person

Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.