McDermid James M Form 5 January 25, 2018

Reminder: Report on a separate line for each class of

securities beneficially owned directly or indirectly.

OMB APPROVAL FORM 5 **OMB** UNITED STATES SECURITIES AND EXCHANGE COMMISSION 3235-0362 Number: Washington, D.C. 20549 Check this box if January 31, Expires: no longer subject 2005 to Section 16. Estimated average ANNUAL STATEMENT OF CHANGES IN BENEFICIAL Form 4 or Form burden hours per 5 obligations OWNERSHIP OF SECURITIES response... 1.0 may continue. See Instruction Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section Reported 30(h) of the Investment Company Act of 1940 Form 4 Transactions Reported 1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Issuer McDermid James M Symbol CRYOLIFE INC [CRY] (Check all applicable) 3. Statement for Issuer's Fiscal Year Ended (Last) (First) (Middle) (Month/Day/Year) Director 10% Owner _ Officer (give title X 12/31/2017 Other (specify below) below) 1655 ROBERTS BLVD NW SVP, CHRO (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Reporting Filed(Month/Day/Year) (check applicable line) KENNESAW, GAÂ 30144 _X_ Form Filed by One Reporting Person Form Filed by More than One Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 4. Securities Acquired (A) 5. Amount of 6. 7. Nature of Security (Month/Day/Year) Transaction or Disposed of (D) Securities Ownership Indirect Execution Date, if (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Beneficial (Month/Day/Year) (Instr. 8) Owned at Direct (D) Ownership end of or Indirect (Instr. 4) Issuer's (I) Fiscal Year (Instr. 4) (A) (Instr. 3 and or 4) Amount (D) Price Common Â 12/31/2017 12/31/2017 821 (1) A 10,497 M D 16.2775 Stock

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

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SEC 2270

(9-02)

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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 Underlying Securities (Instr. 3 and 4)	
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 16.2775	12/31/2017	12/31/2017	A	821	Â	12/31/2017	12/31/2017	Common Stock	821
Stock Option (Right to Buy)	\$ 16.2775	12/31/2017	12/31/2017	M	Â	821	12/31/2017	12/31/2017	Common Stock	821

Reporting Owners

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				
McDermid James M 1655 ROBERTS BLVD NW KENNESAW, GA 30144	Â	Â	SVP, CHRO	Â				

Signatures

/s/ James
McDermid

**Signature of Reporting Person

O1/25/2018

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

Note: File three copies of this Form, one of which must be manually signed. If space provided 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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