FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

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

1. Name and Addre	ess of Reporting Per <mark>1은S</mark>	rson [*]		2. Issuer Name and Ticl CRYOLIFE INC	•	Symbol	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
(Last)	(First)	(Middle)		3. Date of Earliest Trans 05/19/2011	saction (Month)	/Day/Year)		Officer (give title below)	Other (specify below)			
CRYOLIFE, INC. 1655 ROBERTS BLVD., NW				4. If Amendment, Date	of Original Fileo	d (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street)							X	Form filed by One Reporting Person				
KENNESAW	GA	30144						Form filed by More than One Reporting Person		oorting		
(City)	(State)	(Zip)										
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned												
Date			2. Transaction Date (Month/Day/Y	Execution Date,	3. Transaction Code (Instr. 8)	4. Securities Acquired Disposed Of (D) (Instr. and 5)		5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		

(A) or (D) Code . Transaction(s) (Instr. 3 and 4) 05/19/2011 A 10,000(1) \$<mark>0</mark> 50,000 Α

v

Amount

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned nute calle w 10 0

	(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)				6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		of Derivative	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:

Common Stock

1. Represents shares of restricted stock that vest on the first anniversary of the grant date if the reporting person remains a member of the Company's board of directors, subject to earlier vesting upon certain events including death, disability and retirement from the board after serving out his full term because the director is not standing for re-election at the end of the term.

Remarks:

/s/ D.A. Lee, Attorney-in-Fact 05/20/2011

** Signature of Reporting Person Date

Price

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.