FORM 3

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF **SECURITIES**

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

Name and Address of Reporting Person* Gale David C	2. Date of Even Requiring State (Month/Day/Yea	ment	3. Issuer Name and Ticker or Trading Symbol CRYOLIFE INC [CRY]					
(Last) (First) (Middle)	01/01/2012		4. Relationship of Reporting Pers (Check all applicable)	, ,	(Mc	5. If Amendment, Date of Original Filed (Month/Day/Year)		
CRYOLIFE, INC. 1655 ROBERTS BLVD., N.W. (Street) KENNESAW GA 30144 (City) (State) (Zip)			Director X Officer (give title below) VP-Research and Dev	10% Owner Other (specify below) velopment	ecify App	6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person		
	Table I - No	n-Derivati	ive Securities Beneficiall	y Owned	<u>'</u>			
1. Title of Security (Instr. 4)			. Amount of Securities Beneficially Owned (Instr. 4)			Nature of Indirect Beneficial Ownership nstr. 5)		
Common Stock			4,025(1)	D				
Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)								
1. Title of Derivative Security (Instr. 4)	2. Date Exerc Expiration Da (Month/Day/Y	ate	3. Title and Amount of Securi Underlying Derivative Securi		4. Conversion or	Form:	6. Nature of Indirect Beneficial Ownership (Instr. 5)	
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Exercise Price of Derivative Security	Direct (D) or Indirect (I) (Instr. 5)		
Stock Option	02/22/2011(2)	02/22/2017	Common Stock	3,000	7.01	D		

Explanation of Responses:

- 1. Includes 1,950 restricted stock units that represent a contingent right to receive one share of the issuer's common stock for each unit.
- 2. Stock option vests 33 1/3% per year beginning on first anniversary of grant date (February 22, 2010).

Remarks:

/s/ David C. Gale

01/05/2012

** 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 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).

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.