FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
OMB Number:	3235-0287							
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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 Address of Reporting Person* FRONK DAVID						2. Issuer Name and Ticker or Trading Symbol CRYOLIFE INC [CRY]									ck all appli Directo	or	g Pei	rson(s) to Is	
(Last)	(Fi	rst) (Middle)			3. Date of Earliest Transaction (Month/Day/Year) 02/22/2010								X	below	,		Other (s	
CRYOLIFE, INC.															VP R	eg. Affrs. a	ınd (Qual Assu	r.
1655 ROBERTS BLVD., NW						4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street)														X	Form f	iled by One	Rep	orting Perso	on
KENNES	SAW G	A 3	30144													Form filed by More than One Reportir Person			
(City)	(S	tate) (Zip)																
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day)						Execution Date,			Transaction Dispose Code (Instr. and 5)			ities Acqued Of (D) (ies For cially (D)		n: Direct r ect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amount	(A) or (D)		rice	Reporte Transac (Instr. 3	ed ction(s)			
			Table	e II - Deriv (e.g.,					uired, Dis , options,		,			y Ow	ned				
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)		on of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		. 3	3. Price of Derivative Security Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	Owners Form: Direct (l or Indir (l) (Insti	Ownership Form: Direct (D) or Indirect (I) (Instr.	Beneficial Ownership
					Code	v	(A)	(D)	Date Exercisable		xpiration ate	Title	Amo or Num of Shar	nber					
Stock Option	\$7.01	02/22/2010			A		23,333		02/22/2011(1) 0	2/22/2017	Common Stock	23,3	333	\$ <mark>0</mark>	23,333		D	

Explanation of Responses:

1. Stock option vests 33 1/3% per year beginning on first anniversary of grant date.

Remarks:

/s/ David Fronk

02/23/2010

Date

** Signature of Reporting Person

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.