FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
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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* RONALD C ELKINS					CR'	Issuer Name and Ticker or Trading Symbol CRYOLIFE INC [CRY] Date of Earliest Transaction (Month/Day/Year)										all app Direct	nip of Reporting oplicable) ector		10% C		
(Last)	(Last) (First) (Middle)					11/12/2010										below)			below)		
CRYOLIFE, INC.					4. If A	If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable						
1655 ROBERTS BOULEVARD, N.W.															Line)						
(Street) KENNESAW GA 30144															X Form filed by One Reporting Person Form filed by More than One Reportin Person						
(City)	(S	tate) (Zip)																		
		Tab	e I - N	lon-Deriv	ative S	Secu	ıritie	s Acc	uired,	Disp	osed of	f, or	Bene	eficia	ally (Owne	ed				
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day					Execution Date			3. Transaction Code (Instr. 8)		4. Securities Acquired Disposed Of (D) (Instr. and 5)				3, 4 Se Be		i. Amount of Securities Beneficially Dwned Following		wnership n: Direct or ect (I) r. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
									Code	v	Amount		A) or D)	Price	,	Reported Transaction(s) (Instr. 3 and 4)		(iiisu	· · · · · ·	(111301. 4)	
Common Stock 11/12/20						010			S		808		D \$6		01	81,442		D			
Common Stock 11/12/2					2010				S		1,192		D	\$6		6 80,250			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)	if any	eemed tion Date, n/Day/Year)	4. Transac Code (I 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date E. Expiratio (Month/D	te	Amou		str.	8. Price of Derivativ Security (Instr. 5)		9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownershi Form: Direct (D) or Indirec (I) (Instr. 4)	orm: irect (D) r Indirect) (Instr.	Beneficial Ownership		
					Code	v	(A)	(D)	Date Exercisal		Expiration Date	Title	or	ount nber res							

Explanation of Responses:

Remarks:

/s/ Ronald C. Elkins, M.D. <u>11/14/2010</u>

** Signature of Reporting Person Date

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

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.

 $^{^{\}star}$ 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).