

UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 WASHINGTON, D.C. 20549  
 FORM 4

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

1. Name and Address of Reporting Person

ELKINS, RONALD C. M.D.  
 c/o CryoLife, Inc.  
 1655 Roberts Boulevard, N.W.  
 Kennesaw, GA 30144

2. Issuer Name and Ticker or Trading Symbol

CRYOLIFE, INC.  
 CRY

3. IRS or Social Security Number of Reporting Person (Voluntary)

4. Statement for Month/Year

April, 2001

5. If Amendment, Date of Original (Month/Year)

6. Relationship of Reporting Person(s) to Issuer (Check all applicable)

(X) Director ( ) 10% Owner ( ) Officer (give title below) ( ) Other  
 (specify below)

7. 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 -- Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned										
1. Title of Security	2. Transaction Date	3. Transaction Code	4. Securities Acquired (A) or Disposed of (D)			5. Amount of Securities Beneficially Owned at End of Month	6. Director (D) or Indirect Director (I)	7. Nature of Indirect Beneficial Ownership		
			Amount	A/D	Price					
Common Stock	4-19-01	F	12,333	D	\$30.75	45,371	D			
Common Stock	4-19-01	M	10,500	A	\$6.83					
Common Stock	4-19-01	F	1,665	D	\$30.75					
Common Stock	4-19-01	M	7,500	A	\$6.83					
Common Stock	4-20-01	S	3,000	D	\$30.50					

Table II -- Derivative Securities Acquired, Disposed of, or Beneficially Owned										
1. Title of Derivative Security	2. Conversion or Exercise Price of Derivative	3. Transaction Date	4. Transaction Code	5. Number of Derivative Securities Acquired (A) or Disposed of (D)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities	8. Price of Derivative Security	9. Number of Derivative Securities Owned at End of Month	10. Nature of Indirect Beneficial Ownership	
									Director (D) or Indirect Director (I)	
Stock Option	\$6.83	4-19-01	M	10,500	11-16-97 to 5-15-02	Common Stock 10,500	N/A	0		
Stock Option	\$6.83	4-19-01	M	7,500	5-16-97 to 5-16-02	Common Stock 7,500	N/A	0		

Explanation of Responses:  
 SIGNATURE OF REPORTING PERSON  
 /s/ Ronald C. Elkins, M.D.  
 Ronald C. Elkins, M.D.  
 DATE  
 May 9, 2001