

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
 BLACK, KIRBY S, PH.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
 9/2000
5. If Amendment, Date of Original (Month/Year)
6. Relationship of Reporting Person(s) to Issuer (Check all applicable)
 () Director () 10% Owner (X) Officer (give title below) () Other
 (specify below)
 Vice President, R&D
7. Individual or Joint/Group Filing (Check Applicable Line)
 (X) Form filed by One Reporting Person
 () Form filed by More than One Reporting Person

1. Title of Security	2. Transaction Date	3. Code	4. Securities Acquired (A) or Disposed of (D) Amount	5. Price	6. Amount of Securities Beneficially Owned at End of Month	7. Nature of Indirect Beneficial Ownership (D or I)
Common Stock	9-5-00	M	30,000	\$5.625	31,109	D
Common Stock					150	I (1)

1. Title of Derivative Security	2. Conversion or Exercise Price of Derivative	3. Transaction Date	4. Code	5. Number of Derivative Securities Acquired (A) or Disposed of (D) Amount	6. Date Exercisable and Expiration Date	7. Title and Amount of Underlying Securities	8. Price of Derivative Security	9. Number of Derivative Securities	10. Nature of Indirect Beneficial Ownership (D or I)
Incentive Stock Option	\$5.625	9-5-00	M	30,000	12-28-00	Common Stock	N/A	0	

Explanation of Responses:
 (1) Includes 90 shares owned by Dr. Black's minor daughter and 60 shares owned by his son.

(2) Options are fully vested.
 SIGNATURE OF REPORTING PERSON

/s/ Kirby S. Black, Ph.D.
 Kirby S. Black, Ph.D.

DATE
 October 4, 2000