

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

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|---|--|--|
| 1. Name and Address of Reporting Person* <u>LEE DAVID ASHLEY</u> _____ (Last) (First) (Middle) <u>CRYOLIFE, INC.</u> <u>1655 ROBERTS BLVD., N.W.</u> _____ (Street) <u>KENNESAW GA 30144</u> _____ (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>CRYOLIFE INC [CRY]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Exec. VP, COO and CFO</u> |
| | 3. Date of Earliest Transaction (Month/Day/Year) <u>05/04/2006</u> | |
| | 4. If Amendment, Date of Original Filed (Month/Day/Year) | 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person |

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) | | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|-------|---|--|---|
| | | | Code | V | Amount | (A) or (D) | Price | | | |

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) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) | |
|--|--|--------------------------------------|--|--------------------------------|--|--|-----------------|---|--|--|---|--|-------|
| | | | | | | Date Exercisable | Expiration Date | | | | | | Title |
| Stock Option | \$5.03 | 05/04/2006 | | A | 250,000 | 05/04/2007 ⁽¹⁾ | 11/04/2011 | Common Stock | 250,000 | \$0 | 250,000 | D | |

Explanation of Responses:

1. The options will become exercisable subject to the Reporting Person remaining continuously employed by CryoLife as follows: 50,000 shares will become subject to exercise on the first anniversary of the option grant and 50,000 more shares will become subject to exercise on each subsequent anniversary thereof until all 250,000 shares (100% of the option) are subject to exercise (on the fifth anniversary, assuming continuous employment). The option will have a term of 66 months but the option may terminate earlier as stated in the option document. The right to exercise will accelerate for all shares subject to the option agreement if, during the employment period and during the Reporting Person's continuous employment, (i) CryoLife terminates the Reporting Person's employment other than for cause, death or disability, (ii) the Reporting Person terminates employment for good reason, or (iii) the Reporting Person becomes entitled to receive a retention payment under his employment agreement

Remarks:

/s/ D.A. Lee 05/08/2006

** 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 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.