CRYOLIFE INC

Form 4 February 27, 2008

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB

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SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940

1(b).

(Last)

(City)

Common

Stock

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading Horton Amy Symbol

(Middle)

(Zip)

CRYOLIFE INC [CRY]

02/25/2008

3. Date of Earliest Transaction (Month/Day/Year)

CRYOLIFE, INC., 1655 ROBERTS BLVD., NW

(State)

02/25/2008

(First)

(Street) 4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

below) Chief Accounting Officer

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

KENNESAW, GA 30144

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) any (Month/Day/Year)

3. 4. Securities Acquired 5. Amount of Transaction(A) or Disposed of Code (D) (Instr. 8) (Instr. 3, 4 and 5)

Code V Amount

Securities Beneficially Owned Following Price

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

6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Indirect (I) Ownership (Instr. 4) (Instr. 4)

Reported Transaction(s)

(Instr. 3 and 4)

3,217 A 33,171 D (1) 9.73

(A)

(D)

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

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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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. Transactic Code (Instr. 8)	5. Number on 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 Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Options	\$ 9.73	02/25/2008(2)		A	9,000	02/25/2009(3)	02/25/2015	Common Stock	9,000

Reporting Owners

Reporting Owner Name / Address	Relationships						
1	Director	10% Owner	Officer	Other			
Horton Amy CRYOLIFE, INC. 1655 ROBERTS BLVD., NW KENNESAW, GA 30144			Chief Accounting Officer				

Signatures

/s/ Steven G. Anderson as Attorney-in-Fact for Amy
Horton

02/27/2008

**Signature of Reporting Person Date

Explanation of Responses:

- * 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).
- (1) Represents unrestricted common stock shares issued pursuant to the CryoLife, Inc. 2007 Executive Incentive Plan.
- (2) Options were approved by the Compensation Committee on February 19, 2008 to be issued and priced on February 25, 2008 following the Issuer's lifting of a blackout period after its February 21, 2008 earnings release.
- (3) Stock option vests 33 1/3% per year beginning on first anniversary of grant date.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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