

Burris Jeffrey W
 Form 3
 February 17, 2010

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Burris Jeffrey W		(Month/Day/Year)	CRYOLIFE INC [CRY]	
(Last)	(First)	(Middle)	02/16/2010	
CRYOLIFE, INC., 1655 ROBERTS BOULEVARD, NW			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)	(Check all applicable)			
			<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner	6. Individual or Joint/Group Filing(Check Applicable Line)
			<input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Form filed by One Reporting Person
			(give title below) (specify below)	<input type="checkbox"/> Form filed by More than One Reporting Person
			Vice President & Gen. Counsel	
KENNESAW, GA 30144				
(City)	(State)	(Zip)		

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	16,329	D	

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

SEC 1473 (7-02)

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Title			

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		Expiration Date		Amount or Number of Shares		or Indirect (I) (Instr. 5)	
Stock Option	02/04/2009 ⁽¹⁾	02/04/2015	Common Stock	30,000	\$ 7	D	Â
Stock Option	02/23/2010 ⁽²⁾	02/23/2016	Common Stock	15,000	\$ 4.83	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Burris Jeffrey W CRYOLIFE, INC. 1655 ROBERTS BOULEVARD, NW KENNESAW, GA 30144	Â	Â	Â Vice President & Gen. Counsel	Â

Signatures

/s/ Jeffrey W. Burris 02/17/2010

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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) Stock option vests 33 1/3% per year beginning on first anniversary of grant date (February 4, 2008).
- (2) Stock option vests 33 1/3% per year beginning on first anniversary of grant date (February 23, 2009).

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.