

CRYOLIFE INC  
Form 8-A12B  
March 14, 2005

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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

WASHINGTON, D.C. 20549

**FORM 8-A**

**FOR REGISTRATION OF CERTAIN CLASSES OF SECURITIES  
PURSUANT TO SECTION 12(b) OR 12(g) OF THE  
SECURITIES EXCHANGE ACT OF 1934**

**CRYOLIFE, INC.**

(Exact Name of Registrant as Specified in its Charter)

**Florida**

(State of Incorporation or Organization)

**59-2417093**

(I.R.S. Employer Identification No.)

**Steven G. Anderson, President, Chief Executive  
1655 Roberts Boulevard, NW  
Kennesaw, Georgia**

(Address of Principal Executive Offices)

**30144**

(Zip Code)

If this form relates to the registration of a class of securities pursuant to Section 12(b) of the Exchange Act and is effective pursuant to General Instruction A.(c), please check the following box.  Securities Act registration statement file number to which this form relates: **333-121406 (if applicable)**

If this Form relates to the registration of a class of securities pursuant to Section 12(g) of the Exchange Act and is effective pursuant to General Instruction A.(d), please check the following box.

Securities to be registered pursuant to Section 12(b) of the Act:

**Title of Each Class  
to be so Registered**

**Name of Each Exchange on Which  
Each Class is to be Registered**

**% Convertible Preferred Stock,  
\$0.01 par value per share**

**New York Stock Exchange**

Securities to be registered pursuant to Section 12(g) of the Act:

**None**  
(Title of Class)

**ITEM 1. DESCRIPTION OF REGISTRANT'S SECURITIES TO BE REGISTERED**

A description of the Registrant's preferred stock is set forth under the caption "Description of Preferred Stock" contained in the prospectus supplement included in the Company's Registration Statement on Form S-3 (File No. 333-121406) as originally filed with the Securities and Exchange Commission on December 17, 2004 or as subsequently amended (the "Registration Statement"), is hereby incorporated by reference in response to this item.

**ITEM 2. EXHIBITS**

The following exhibits are filed or incorporated by reference as a part of this Registration Statement:

<b>Exhibit No.</b>	<b>Description</b>
3.1	Restated Articles of Incorporation of the Registrant, as amended. (Incorporated by reference to Exhibit 3.1 to Form 10-Q for the quarter ended March 31, 2003.)
3.2	ByLaws of the Registrant, as amended. (Incorporated by reference to Exhibit 3.2 to Current Report on Form 8-K filed with the Securities and Exchange Commission on December 8, 2004.)
3.3	Articles of Amendment to the Articles of Incorporation of the Registrant. (Incorporated by reference to Exhibit 3.3 to the Registrant's Annual Report on Form 10-K for the fiscal year ended December 31, 2000.)
3.4**	Preferred Stock Articles of Amendment to the Articles of Incorporation of the Registrant to be filed and effective upon completion of this offering.
4.1**	Specimen Convertible Preferred Stock Certificate.

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To be filed by amendment

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**SIGNATURE**

Pursuant to the requirements of Section 12 of the Securities Exchange Act of 1934, the registrant has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized.

CRYOLIFE, INC.

By: /s/ STEVEN G. ANDERSON

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Steven G. Anderson  
Chairman and Chief Executive Officer

Dated: March 14, 2005

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ITEM 1. DESCRIPTION OF REGISTRANT'S SECURITIES TO BE REGISTERED

ITEM 2. EXHIBITS

SIGNATURE