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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549  
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FORM 8-K  
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CURRENT REPORT  
PURSUANT TO SECTION 13 OR 15(D) OF THE  
SECURITIES EXCHANGE ACT OF 1934

DATE OF REPORT (DATE OF EARLIEST EVENT REPORTED): DECEMBER 9, 2005

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CRYOLIFE, INC.  
(Exact name of registrant as specified in its charter)  
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FLORIDA (State or Other Jurisdiction of Incorporation)	1-13165 (Commission File Number)	59-2417093 (IRS Employer Identification No.)
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1655 ROBERTS BOULEVARD, N.W., KENNESAW, GEORGIA 30144  
(Address of principal executive office) (zip code)

REGISTRANT'S TELEPHONE NUMBER, INCLUDING AREA CODE: (770) 419-3355

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(Former name or former address, if changed since last report)  
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Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
  - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
  - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
  - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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ITEM 3.02 UNREGISTERED SALES OF EQUITY SECURITIES

See Item 8.01 below for a report as to the issuance of 500,000 shares of CryoLife common stock.

ITEM 8.01 OTHER EVENTS.

On December 9, 2005, the Company made the final \$3.75 million payment due pursuant to the previously announced settlement of the securities class action

lawsuit. The Company paid the settlement amount with a combination of approximately \$1.8 million in cash and 500,000 shares of CryoLife common stock. The shares were issued without registration pursuant to the exemption provided in Section 3(a)(10) of the Securities Act of 1933 ("1933 Act"), because the terms and conditions of the issuance were approved by a court after a hearing on their fairness at which all persons to whom the shares might be issued had the right to appear.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, CryoLife, Inc. has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

CRYOLIFE, INC.

Date: December 12, 2005

By: /s/ D.A. Lee

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Name: D. Ashley Lee  
Title: Executive Vice President, Chief  
Operating Officer and Chief Financial  
Officer