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

FORM 8-K

CURRENT REPORT
PURSUANT TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934
Date of Report (Date of earliest event reported): November 17, 2015

CRYOLIFE, INC.

(Exact name of registrant as specified in its charter)

Florida	**1-13165**	**59-2417093**
(State or Other Jurisdiction of Incorporation)	(Commission File Number)	(IRS Employer Identification No.)

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

(Former name or former address, if changed since last report)

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))

Section 8 Optional 8-K Filings

Item 8.01 Other Events

On November 17, 2015, CryoLife, Inc. ("CryoLife" or the "Company") and Medafor, Inc., a subsidiary of C.R. Bard, Inc. ("Medafor"), entered into a resolution to end the patent dispute in the U.S. District Court for the District of Delaware ("the Court") between the companies regarding PerClot®.

Under terms of the resolution, which is subject to approval by the Court, all parties have agreed to end the litigation, jointly dismissing all claims and counterclaims with prejudice and waiving all appeal rights in this case. Each party agreed to bear its own attorneys' fees and costs associated with the litigation. In addition, the Court's preliminary injunction entered March 31, 2015 with respect to CryoLife's marketing and sale of PerClot in the U.S. will remain in effect until the expiration of Medafor's U.S. Patent No. 6,060,461 (the "'461 Patent") on February 8, 2019, and the Court will retain jurisdiction over the matter to enforce the settlement.

The commercial impact of the resolution is modest, as the Company currently does not expect to be in a position to receive FDA approval for PerClot until, at the earliest, 2018 and, therefore, to be able to commercialize PerClot in the United States until just months before the expiration of the '461 Patent.

Section 9 Financial Statements and Exhibits.

Item 9.01(d) Exhibits.

(d) Exhibits.

Exhibit Number	Description
99.1*	Press release dated November 17, 2015

* This exhibit is furnished, not filed.

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: November 17, 2015

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

FOR IMMEDIATE RELEASE

Contacts:

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CryoLife Announces Resolution of PerClot Litigation with Medafor Inc.

ATLANTA, GA…(November 17, 2015)…CryoLife, Inc. (NYSE: CRY), a leading medical device and tissue processing company focused on cardiac and vascular surgery, announced today that it has entered into a resolution with Medafor Inc., a subsidiary of C.R. Bard, Inc. ("Medafor"), to end the patent dispute in the U.S. District Court for the District of Delaware (the "Court") between the companies regarding PerClot.

Under terms of the resolution, which is subject to approval by the Court, all parties have agreed to end the litigation, jointly dismissing all claims and counterclaims with prejudice and waiving all appeal rights in this case. Each party agreed to bear its own attorneys' fees and costs associated with the litigation. In addition, the Court's preliminary injunction entered March 31, 2015 with respect to CryoLife's marketing and sale of PerClot in the U.S. will remain in effect until the expiration of Medafor's U.S. Patent No. 6,060,461 (the "'461 Patent") on February 8, 2019, and the Court will retain jurisdiction over the matter to enforce the settlement.

J. Patrick Mackin, Chairman, President, and Chief Executive Officer, said, "We are pleased to resolve the litigation with Medafor and believe it is a positive development for our Company. It removes an on-going legal dispute that we estimate could have taken well over two years and millions of dollars to resolve, with an uncertain outcome." The commercial impact of the resolution is modest, as the Company currently does not expect to be in a position to receive FDA approval for PerClot until, at the earliest, 2018 and, therefore, to be able to commercialize PerClot in the United States until just months before the expiration of the '461 Patent.

Mr. Mackin explained that, "In the near-term, we anticipate a positive benefit to 2016 expenses from the resolution with Medafor due to the elimination of legal fees related to the litigation and the slower than expected pace of patient enrollment in the PerClot IDE. The resolution will also allow us to place more focus on our strategic business development initiatives, which we believe present a significant opportunity to enhance our growth trajectory and leverage our well-established relationships in cardiac and vascular surgery. Longer-term, we remain confident in PerClot's competitive positioning and believe it has the potential to capture significant market share in the U.S. once available."

About CryoLife

Headquartered in suburban Atlanta, Georgia, CryoLife is a leader in the manufacturing, processing, and distribution of implantable living tissues and medical devices used in cardiac and vascular surgical procedures. CryoLife markets and sells products in more than 75 countries worldwide. For additional information about CryoLife, visit our website, www.cryolife.com.

Statements made in this press release that look forward in time or that express management's beliefs, expectations, or hopes are forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Such forward-looking statements reflect the views of management at the time such statements are made and are subject to a number of risks, uncertainties, estimates, and assumptions that may cause actual results to differ materially from current expectations. These statements include those regarding the resolution of the litigation with Medafor, the benefits of the resolution of the Medafor litigation, the anticipated timing of FDA approval for PerClot, the pace of enrollment in the PerClot IDE clinical trial, and the timing of commercialization of PerClot, the potential for PerClot to capture significant market share in the U.S., and the potential for strategic business development initiatives to impact our growth trajectory. The risks and uncertainties affecting these statements include that: the resolution of the Medafor litigation is subject to court approval, there is no guarantee that the FDA will approve the surgical version of PerClot for distribution in the U.S. in accordance with our expected timeframe, or at all; clinical trials are subject to a number of risks, including unanticipated reactions or results, delays, and cost overages; we may ultimately be unsuccessful in our PerClot IDE clinical trial; we maybe ultimately unable to execute on our strategic business development initiatives; and such initiatives, even if we execute on them, may not contribute to our growth trajectory. These risks and uncertainties include the risk factors detailed in our Securities and Exchange Commission filings, including our Form 10-K for the year ended December 31, 2014 and our subsequent filings with the SEC. CryoLife does not undertake to update its forward-looking statements.