

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) September 21, 2006

PRESSURE BIOSCIENCES, INC.

(Exact Name of Registrant as Specified in its Charter)

MASSACHUSETTS

(State or Other Jurisdiction of Incorporation)

0-21615

(Commission File Number)

04-2652826

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

321 Manley Street, West Bridgewater, MA

(Address of Principal Executive Offices)

02379

(Zip Code)

(508) 580-1818

(Registrant's Telephone Number, Including Area Code)

N/A

(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))
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Item 8.01 Other Events

On September 25, 2006, Pressure BioSciences, Inc. (the "Company") announced that its Board of Directors has authorized the Company to repurchase up to \$500,000 of its outstanding common stock on the open market or in privately negotiated transactions. The timing and amount of share repurchases, if any, will depend on a number of factors, including market and business conditions. The repurchases may be commenced or suspended at any time without prior notice and without further announcement. The Company also announced that pursuant to this authorization it purchased 106,600 shares of its common stock at \$2.88 per share from Kyowa Medex Company Ltd., the Japanese distributor of the Company's legacy business Boston Biomedica, Inc.

Item 9.01 Financial Statements and Exhibits

(d) Exhibits

Exhibit Number	Exhibit Description
99.1	Press Release dated September 25, 2006

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this Report to be signed on its behalf by the undersigned, thereunto duly authorized.

Dated: September 25, 2006

PRESSURE BIOSCIENCES, INC.

By: /s/ Richard T. Schumacher
Richard T. Schumacher, President and
Chief Executive Officer

EXHIBIT INDEX

Exhibit Number	Exhibit Description
99.1	Press Release dated September 25, 2006

FOR IMMEDIATE RELEASE

Investor Contacts:

Richard T. Schumacher, President & CEO
Edward H. Myles, Vice President of Finance & CFO

Pressure BioSciences, Inc.,nc.
(508) 580-1818 (T) (T)

Pressure BioSciences, Inc. Announces Stock Repurchase Program

Company Purchases 106,600 Shares from Former Distributor

West Bridgewater, MA, September 25, 2006 - Pressure BioSciences, Inc. (NASDAQ: PBIO) today announced that its Board of Directors has authorized the Company to repurchase up to \$500,000 of its outstanding common stock on the open market or in privately negotiated transactions. The timing and amount of share repurchases, if any, will depend on a number of factors, including market and business conditions. The repurchases may be commenced or suspended at any time without prior notice and without further announcement. The Company also announced that pursuant to this authorization it purchased 106,600 shares of its common stock at \$2.88 per share from Kyowa Medex Company Ltd., the Japanese distributor of the Company's legacy business Boston Biomedica, Inc.

About Pressure BioSciences, Inc.

Pressure BioSciences, Inc. (PBI) is a publicly traded, early-stage company focused on the development of a novel, enabling technology called Pressure Cycling Technology (PCT). PCT uses cycles of hydrostatic pressure between ambient and ultra-high levels (up to 35,000 psi and greater) to control bio-molecular interactions. PBI currently holds 13 US and 5 foreign patents covering multiple applications of PCT in the life sciences field, including such areas as genomic and proteomic sample preparation, pathogen inactivation, the control of enzymes, immunodiagnostics, and protein purification.

Forward Looking Statements

Statements contained in this press release regarding the Company's intentions, hopes, beliefs, expectations, or predictions of the future are "forward-looking" statements within the meaning of the Private Securities Litigation Reform Act of 1995. Such forward looking statements include statements regarding the Company's intention to repurchase shares of its common stock from time to time under its stock repurchase program. These statements are based upon the Company's current expectations, forecasts, and assumptions that are subject to risks, uncertainties, and other factors that could cause actual outcomes and results to differ materially from those indicated by these forward-looking statements. These risks, uncertainties, and other factors include, but are not limited to, changes in stock market conditions or in the Company's business as a result of which the Company may change or terminate its stock repurchases, and the other risks and uncertainties discussed under the heading "Risk Factors" in the Company's Quarterly Report on Form 10-QSB for the quarter ended June 30, 2006, in the Company's Annual Report on Form 10-KSB, as amended, and other reports filed by the Company from time to time with the SEC. The Company undertakes no obligation to update any of the information included in this release, except as otherwise required by law.

Visit us at our website <http://www.pressurebiosciences.com>