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**SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

**SCHEDULE 13E-3/A**  
(Rule 13e-100)

**Transaction Statement Under Section 13(e) of the Securities  
Exchange Act of 1934 and Rule 13e-3 Thereunder**

**Rule 13e-3 Transaction Statement  
Under Section 13(e) of the Securities Exchange Act of 1934  
(Amendment No. 4)**

**Pressure BioSciences, Inc.**

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**Pressure BioSciences, Inc.**  
Richard T. Schumacher

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(Names of Persons Filing Statement)

**Common Stock**  
**and Associated Preferred Share Purchase Rights**  
(Title of Class of Securities)

**74112E 10 9**

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(CUSIP Number of Class of Securities)

Richard T. Schumacher  
President and Chief Executive Officer  
Pressure BioSciences, Inc.  
217 Perry Parkway  
Gaithersburg, MD 20877  
(301) 208-8100

Steven R. London, Esq.  
Brown Rudnick Berlack Israels LLP  
One Financial Center  
Boston, MA 02111  
(617) 856-8200

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(Name, Address and Telephone Number of Person Authorized to Receive Notices  
and Communications on Behalf of Person(s) Filing Statement)

This statement is filed in connection with (check appropriate box)

- a.  The filing of solicitation materials or an information statement subject to Regulation 14A, Regulation 14C, or Rule 13e-3(c) under the Securities Exchange Act of 1934.
- b.  The filing of a registration statement under the Securities Act of 1933.
- c.  A tender offer.
- d.  None of the above.

Check the following box if the soliciting materials or information statement referred to in checking box (a) are preliminary copies.

Check the following box if the filing is a final amendment reporting the results of the transaction.

**CALCULATION OF FILING FEE**

Transaction Valuation*	Amount of Filing Fee
\$19,250,000	\$2,266

\*For purposes of calculating the filing fee only. The transaction value assumes the purchase by the registrant of 5,500,000 shares of its common stock at \$3.50 per share.

Check the box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing with which the offsetting fee was previously paid. Identify the previous filing by registration statement number, or the Form or Schedule and the date of its filing.

Amount Previously Paid:	\$2,266
Form or Registration No.:	Schedule TO-I
Filing Party:	Pressure BioSciences, Inc.
Date Filed:	December 27, 2004

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## INTRODUCTION

This Amendment No. 4 to Rule 13E-3 Transaction Statement amends and supplements the Schedule 13E-3 dated January 21, 2005, as amended and supplemented by Amendment No. 1 to Schedule 13E-3 filed on January 21, 2005, Amendment No. 2 to Schedule 13E-3 filed on January 25, 2005 and Amendment No. 3 to Schedule 13E-3 filed on February 3, 2005 (the "Schedule 13E-3"), relating to the issuer tender offer by Pressure BioSciences, Inc., to purchase up to 5,500,000 shares of its common stock, \$0.01 par value per share (the "Shares"), at a purchase price of \$3.50 per Share, net to the seller in cash, without interest. Pressure BioSciences' tender offer, which expired on February 11, 2005, was made upon the terms and subject to the conditions set forth in the Offer to Purchase dated December 27, 2004 (the "Offer to Purchase"), a copy of which is attached as Exhibit (a)(1)(A) to the Company's Schedule TO-I filed with the Commission on December 27, 2004 (the "Schedule TO-I") and in the related Letter of Transmittal (the "Letter of Transmittal"), a copy of which is attached hereto as Exhibit (a)(1)(B) to the Schedule TO-I (and which, together with the Offer to Purchase, as amended or supplemented from time to time, constitute the "Offer") and are herein incorporated by reference.

This Amendment No. 4 is filed in satisfaction of the reporting requirements of Rule 13e-3(d) promulgated under the Securities Exchange Act of 1934, as amended, which requires a final amendment to Schedule 13E-3 to be filed to report the results of the Offer.

The following items of Schedule 13E-3 are amended and supplemented as set forth below:

### Item 4. TERMS OF THE TRANSACTION

#### (a) *Material Terms*

##### (1) *Tender Offers*

Item 4(a)(1)(iii) of Schedule 13E-3 is hereby further amended and supplemented to include the following:

- The Offer expired at 10:00 a.m., Eastern Standard Time, on Friday, February 11, 2005. The Company accepted for payment a total of 5,210,001 shares of common stock, which includes 761,275 shares which were issued upon exercise of stock options, at a purchase price of \$3.50 per share.

### Item 16. EXHIBITS

- (a) (1)(A) Offer to Purchase dated December 27, 2004 (1)
- (a) (1)(B) Letter of Transmittal (1)
- (a) (1)(C) Notice of Guaranteed Delivery of Shares of Common Stock (1)
- (a) (1)(D) Letter to Brokers, Dealers, Commercial Banks, Trust Companies and Other Nominees (1)
- (a) (1)(E) Letter to Clients for use by Brokers, Dealers, Commercial Banks, Trust Companies and Other Nominees(1)
- (a) (1)(F) Guidelines for Certification of Taxpayer Identification Number on Substitute Form W-9 (1)
- (a) (5)(A) Press Release dated January 25, 2005 (2)
- (a) (5)(B) Press Release dated February 3, 2005 (3)
- (a) (5)(C) Press Release dated February 14, 2005 (4)

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- (1) The foregoing exhibits were filed as exhibits to the Company's Schedule TO-I filed with the Commission on December 27, 2004, and are incorporated herein by this reference.
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- (2) The foregoing exhibit was filed as an exhibit to the Company's Amendment No. 2 to Schedule TO-I filed with the Commission on January 25, 2005, and is incorporated herein by this reference.
  - (3) The foregoing exhibit was filed as an exhibit to the Company's Amendment No. 3 to Schedule TO-I filed with the Commission on February 3, 2005, and is incorporated herein by this reference.
  - (4) The foregoing exhibit was filed as an exhibit to the Company's Amendment No. 4 to Schedule TO-I filed with the Commission on February 14, 2005, and is incorporated herein by this reference.
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**SIGNATURES**

After due inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

**PRESSURE BIOSCIENCES, INC.**

By: /s/ RICHARD T. SCHUMACHER

\_\_\_\_\_  
Name: Richard T. Schumacher  
Title: President and Chief Executive Officer

/s/ RICHARD T. SCHUMACHER

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Richard T. Schumacher

Dated: February 14, 2005

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