

ENZO BIOCHEM INC
Form 4/A
June 13, 2007

FORM 4

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
DELUCCA JOHN

(Last) (First) (Middle)

C/O ENZO BIOCHEM INC, 527
MADISON AVENUE

(Street)

NEW YORK, NY 10022

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
ENZO BIOCHEM INC [ENZO]

3. Date of Earliest Transaction
(Month/Day/Year)
06/07/2007

4. If Amendment, Date Original Filed(Month/Day/Year)
06/11/2007

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| | | | Code | V Amount (A) or (D) Price | | | |
| Common Stock | 06/07/2007 | | M | 6,078 A \$ 5.45 | 8,578 (1) (2) | D | |
| Common Stock | 06/07/2007 | | M | 9,116 A \$ 8.073 | 17,694 (1) (2) | D | |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | | |
|---|--|--------------------------------------|--|--------------------------------|---|--|---|--------------|----------------------------|
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Rule 16b-3 Employee Stock Option (right to buy) | \$ 5.45 | 06/07/2007 | | M | 6,078 | 10/01/1998 | 10/01/2008 | Common Stock | 6,078 |
| Rule 16b-3 Employee Stock Option (right to buy) | \$ 8.073 | 06/07/2007 | | M | 9,116 | 01/14/1999 | 10/14/2009 | Common Stock | 9,116 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| DELUCCA JOHN C/O ENZO BIOCHEM INC 527 MADISON AVENUE NEW YORK, NY 10022 | X | | | |

Signatures

/s/ John J. Delucca 06/13/2007

**Signature of Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

As of the date hereof, the Reporting Person has a direct beneficial ownership interest in: (a) 17,694 shares of Common Stock; and (b) (1) stock options to purchase 65,130 shares of Common Stock. The Reporting Person also owns 9,500 Restricted Stock Units that will not vest within the next 60 days.

This amended filing is being made to correct the original filing made on June 11, 2007 (the "Original Form 4"). The Original Form 4 (2) mistakenly recorded the amount of non-derivative securities owned by the Reporting Person following the reported transactions and used incorrect transaction codes.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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