

WEINER BARRY W  
Form 4  
November 17, 2011

**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 \*  
WEINER BARRY W

(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 [ENZ]

3. Date of Earliest Transaction  
(Month/Day/Year)  
11/16/2011

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
Pres, CFO, Princ AO and Treasr

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, par value \$0.01 per share | 11/16/2011                           |  | P                              |   | 2,000   | D  | \$ 2.25                           |
|  |                                      |  |                                |   | 1,294,206 <sup>(1)</sup>  | D  |                                   |
| Common Stock, par value \$0.01 per share | 11/16/2011                           |  | P                              |   | 2,182   | D  | \$ 2.27                           |
|  |                                      |  |                                |   | 1,296,388 <sup>(1)</sup>  | D  |                                   |
| Common Stock, par value \$0.01 per share | 11/16/2011                           |  | P                              |   | 6,000   | D  | \$ 2.28                           |
|  |                                      |  |                                |   | 1,302,388 <sup>(1)</sup>  | D  |                                   |

|   |            |   |       |   |            |                          |   |
|---|------------|---|-------|---|------------|--------------------------|---|
| Common<br>Stock, par<br>value \$0.01<br>per share | 11/16/2011 | P | 3,000 | D | \$<br>2.29 | 1,305,388 <sup>(1)</sup> | D |
| Common<br>Stock, par<br>value \$0.01<br>per share | 11/16/2011 | P | 4,818 | D | \$ 2.3     | 1,310,206 <sup>(1)</sup> | D |
| Common<br>Stock, par<br>value \$0.01<br>per share | 11/16/2011 | P | 2,000 | D | \$<br>2.32 | 1,312,206 <sup>(1)</sup> | D |

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

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

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(9-02)

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

| 1. Title of<br>Derivative<br>Security<br>(Instr. 3) | 2. Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 4. Transaction<br>Code<br>(Instr. 8) | 5. Number<br>of<br>Derivative<br>Securities<br>Acquired<br>(A) or<br>Disposed<br>of (D)<br>(Instr. 3,<br>4, and 5) | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) | 7. Title and<br>Amount of<br>Underlying<br>Securities<br>(Instr. 3 and 4) | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Nu<br>Deriv<br>Secur<br>Bene<br>Own<br>Follo<br>Repor<br>Trans<br>(Instr |
|---|--|---|---|--------------------------------------|--|--|---|---|---|
|---|--|---|---|--------------------------------------|--|--|---|---|---|

  

|  | Date<br>Exercisable | Expiration<br>Date | Title | Amount<br>or<br>Number<br>of<br>Shares |
|--|---------------------|--------------------|-------|--|
|--|---------------------|--------------------|-------|--|

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |                               |       |
|---|---------------|-----------|-------------------------------|-------|
|   | Director      | 10% Owner | Officer                       | Other |
| WEINER BARRY W<br>C/O ENZO BIOCHEM, INC.<br>527 MADISON AVENUE<br>NEW YORK,, NY 10022 | X             |           | Pres, CFO, Princ AO and Treas |       |

## Signatures

/s/ Barry W.  
Weiner

11/17/2011

\_\_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).

Includes (i) 239,000 shares of Common Stock issuable upon the exercise of options which are exercisable within 60 days from the date (1) hereof, (ii) 3,638 shares of Common Stock held in the name of the Reporting Person as custodian for certain of his children and (iii) 12,510 shares of Common Stock held in the Company's 401(k) plan.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.