WEINER BARRY W

Form 4

January 25, 2005

FORM 4

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

Check this box if no longer

subject to Section 16. Form 4 or

Form 5 obligations

may continue. See Instruction 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(b).

(Last)

1. Name and Address of Reporting Person * WEINER BARRY W

(First) (Middle)

C/O ENZO BIOCHEM, INC., 527 **MADISON AVENUE**

(Street)

2. Issuer Name and Ticker or Trading Symbol

ENZO BIOCHEM INC [ENZ]

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

01/21/2005

4. If Amendment, Date Original

Filed(Month/Day/Year)

OMB APPROVAL

OMB Number:

3235-0287 January 31,

Expires:

2005

Estimated average burden hours per

response...

0.5

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

_X__ Director 10% Owner

X_ Officer (give title _X_ Other (specify below) below)

Director / President and CFO

6. Ownership

Form: Direct

6. Individual or Joint/Group Filing(Check Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

(I)

Person

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

(City) (State) (Zip)

1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) (Instr. 3)

NEW YORK, NY 10022

Execution Date, if (Month/Day/Year)

3.

TransactionAcquired (A) or Code Disposed of (D) (Instr. 8)

(Instr. 3, 4 and 5)

Code V Amount (D) Price

(A)

4. Securities

Securities Beneficially Owned Following Reported

5. Amount of

Transaction(s)

Ownership (Instr. 4) (Instr. 4)

(D) or Indirect Beneficial

7. Nature of

Indirect

(Instr. 3 and 4)

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

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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

Conversion or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year) Execution Date, if

any

4. 5. Number of **Transaction**Derivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount of **Underlying Securities** (Instr. 3 and 4)

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(Instr. 3) Price of Derivative Security

(Month/Day/Year) (Instr. 8) Acquired (A)

or Disposed of (D)

(Instr. 3, 4, and 5)

Code V

(A)

(D) Date Exercisable Date

Expiration Title Amount or

Number of Shares

50,000

Rule 16b-3

Employee

Stock

\$ 17.66 01/21/2005 $A^{(1)}$ 50,000 01/21/2006 01/21/2015

Common

Stock

Option (right to buy)

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

WEINER BARRY W C/O ENZO BIOCHEM, INC. **527 MADISON AVENUE** NEW YORK, NY 10022

X

Director President and CFO

Signatures

// Barry Weiner 01/25/2005 **Signature of Date Reporting Person

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).
- (1) These options were granted pursuant to Enzo Biochem, Inc.'s 2005 Equity Compensation Incentive Plan.
- (2) The option vests in four equal annual installments, beginning on January 21, 2006, on a cumulative basis.

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.

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