ENZO BIOCHEM INC

Form 4

December 20, 2007

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

OMB 3235-0287

Estimated average

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Number: January 31, Expires: 2005

0.5

OMB APPROVAL

Form 4 or Form 5 obligations may continue.

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

burden hours per response...

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * RABBANI ELAZAR

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

(Last)

(City)

Symbol

ENZO BIOCHEM INC [ENZ]

(Check all applicable)

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

4. If Amendment, Date Original

Filed(Month/Day/Year)

_X__ Director

10% Owner Other (specify

C/O ENZO BIOCHEM, INC., 527

(First)

(State)

12/18/2007

X_ Officer (give title below) below)

Chairman and CEO

MADISON AVENUE

6. Individual or Joint/Group Filing(Check

(Street)

(Middle)

(Zip)

Applicable Line)

X 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

NEW YORK, NY 10022

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

3. 4. Securities Acquired Transaction(A) or Disposed of Code (D) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of 6. Ownership 7. Nature of Securities Form: Direct Indirect Beneficially (D) or Beneficial Indirect (I) Ownership Owned Following (Instr. 4) (Instr. 4) Reported

(A) Amount (D)

Transaction(s) (Instr. 3 and 4) Price

(1)

Common

Stock, par 12/18/2007 value \$0.01 per share

10,179 \mathbf{C} (1)

 $2,190,745^{(2)}$ D

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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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. Transactic Code (Instr. 8)	5. Number of orDerivative 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
Employee Stock Option	\$ 10.97	12/18/2007		С		63,814	12/18/1997	12/18/2007	Common Stock, par value \$0.01 per share	63,814

Reporting Owners

Reporting Owner Name / Address Relationships

X

Director 10% Owner Officer Other

RABBANI ELAZAR C/O ENZO BIOCHEM, INC. 527 MADISON AVENUE NEW YORK, NY 10022

Chairman and CEO

Signatures

/s/ Elazar

Rabbani 12/20/2007

**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).
- (1) The Reporting Person exercised a stock option to purchase 63,814 shares of Common Stock and paid the exercise price thereof Common Stock, for a net gain in outstanding shares of Common Stock of 10,179 shares. The stated exercise price of the stock option was \$10.97.
 - Includes (i) 459,528 shares of Common Stock issuable upon the exercise of options which are exercisable within 60 days from the date hereof, (ii) 3,469 shares of Common Stock held in the name of the Reporting Person as custodian for certain of his children, (iii) 2,168
- (2) shares of Common Stock held in the name of the Reporting Person's wife as custodian for certain of their children, (iv) an aggregate of 5,100 shares of Common Stock held in the name of the Reporting Person's children and (v) 7,500 shares of restricted Common Stock that vest within 60 days from the date hereof. Includes 4,916 shares of Common Stock held in the Issuer'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.

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