ENZO BIOCHEM INC

Form 4

September 25, 2008

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

Number:

3235-0287

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Section 16. Form 4 or Form 5 obligations

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subject to

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

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * RABBANI ELAZAR

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

ENZO BIOCHEM INC [ENZ]

(Check all applicable)

Chairman and CEO

(Last)

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

09/23/2008

_X__ Director

10% Owner Other (specify

C/O ENZO BIOCHEM, INC., 527

MADISON AVENUE

below)

X_ Officer (give title

(Street)

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

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

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

Person

NEW YORK, NY 10022

(City)	(State)	(Zip) Table	e I - Non-D	erivative S	Securi	ties Acqu	ired, Disposed of	, or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactio Code (Instr. 8)	4. Securit r(A) or Dis (Instr. 3, 4	sposed	of (D)	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 Indirect Beneficial Ownership (Instr. 4)
Common Stock, par value \$0.01 per share	09/23/2008			60,755	,		2,185,745 (2)	D	
Common Stock, par value \$0.01 per share	09/23/2008		F	29,406 (1)	D	\$ 11.26	2,156,339 (2)	D	

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 (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	\$ 5.45	09/23/2008		M	60,755	10/01/2002	10/01/2008	Common Stock, par value \$0.01 per share	60,755

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
RABBANI ELAZAR							
C/O ENZO BIOCHEM, INC.	X		Chairman and CEO				
527 MADISON AVENUE	Λ						
NEW YORK, NY 10022							

Signatures

/s/ Elazar
Rabbani 09/25/2008

**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).
- The Reporting Person exercised a stock option to purchase 60,755 shares of Common Stock and paid the exercise price thereof by the surrender of 29,406 shares of Common Stock, for a net gain in outstanding shares of Common Stock of 31,349 shares. The stated exercise price of the stock option was \$5.45.
 - Includes (i) 398,773 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, (v) 7,500 shares of restricted Common Stock, and (vi) 4,916 shares of Common Stock held in the Company's 401(k) plan.

Reporting Owners 2

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