#### **ENZO BIOCHEM INC**

Form 4

September 25, 2008

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

**OMB APPROVAL** OMB

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Check this box if no longer subject to Section 16. Form 4 or

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

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations 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 SHAHRAM K

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

(Last)

(City)

(First)

ENZO BIOCHEM INC [ENZ]

(Check all applicable)

C/O ENZO BIOCHEM, INC., 527

(Street)

(State)

**MADISON AVENUE** 

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

09/23/2008

\_X\_\_ Director 10% Owner X\_ Officer (give title Other (specify below) below)

(Middle)

(Zip)

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

6. Individual or Joint/Group Filing(Check

Treasurer and Secretary

Applicable Line)

\_X\_ Form filed by One Reporting Person Form filed by More than One Reporting Person

NEW YORK, NY 10022

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

1. Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities Ownership (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Direct (Month/Day/Year) Owned (Instr. 8) (D) or Following Indirect (I) Reported (Instr. 4) (A)

Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price

Common Stock, par

value \$0.01

09/23/2008

60,755 M (1)

Α \$ 5.45 1,828,494 (2)

per share Common

per share

Stock, par 09/23/2008 value \$0.01

29,406 F

1,799,088 (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 information contained in this form are not SEC 1474 (9-02)

7. Nature of

Indirect

Beneficial

Ownership

(Instr. 4)

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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)	e Expiration Date s (Month/Day/Year) (A) sed of		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 SHAHRAM K						
C/O ENZO BIOCHEM, INC.	X		Transurar and Carretory			
527 MADISON AVENUE			Treasurer and Secretary			
NEW YORK, NY 10022						

# **Signatures**

/s/ Shahram
Rabbani

\*\*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) 1,354 shares of Common Stock held in the name of the Reporting Person's son, (iii) 1,671 shares of Common Stock that the Reporting Person holds as custodian for certain of his nephews, (iv) 3,500 shares of restricted Common Stock, and (v) 4,881 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.

Reporting Owners 2

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