

RABBANI SHAHRAM K

Form 5

September 15, 2008

FORM 5**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
1(b).Form 3 Holdings
Reported

Form 4

Transactions

Reported

**ANNUAL 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

OMB APPROVAL

OMB
Number: 3235-0362Expires: January 31,
2005Estimated average
burden hours per
response... 1.01. Name and Address of Reporting Person *
RABBANI SHAHRAM K

(Last) (First) (Middle)

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

(Street)

2. Issuer Name and Ticker or Trading
Symbol
ENZO BIOCHEM INC [ENZ]3. Statement for Issuer's Fiscal Year Ended
(Month/Day/Year)
07/31/20084. 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)

Treasurer and Secretary

6. Individual or Joint/Group Reporting

(check applicable line)

NEW YORK, NY 10022

☒ Form Filed by One Reporting Person
☐ Form Filed by More than One Reporting
Person

(City) (State) (Zip)

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 at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
				(A) or (D) Price			
Common Stock	08/01/2007	Â	G	1,000 D \$ 0	1,828,494 (1)	D	Â
Common Stock	08/01/2007	Â	G	1,000 D \$ 0	1,828,494 (1)	D	Â
Common Stock	02/24/2008	Â	G	1,500 D \$ 0	1,828,494 (1)	D	Â
Common Stock	02/24/2008	Â	G	1,500 D \$ 0	1,828,494 (1)	D	Â

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

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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 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. Transaction Code (Instr. 8)	5. Number of Derivative 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)	8. Price of Derivative Security (Instr. 5)	9. of D S B O E I F (I
					(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

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

Â X Â Â Treasurer and Secretary Â

Signatures

/s/ Shahram
Rabbani

09/15/2008

**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).

(1) 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) 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 and (iv) 7,500 shares of restricted Common Stock. Includes 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 provided 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.