#### **ENZO BIOCHEM INC**

Form 4

September 25, 2008

<b>FOR</b>	M	4
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#### UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

**OMB** 3235-0287 Number:

**OMB APPROVAL** 

Check this box if no longer subject to

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

January 31, Expires: 2005 Estimated average

0.5

Section 16. Form 4 or Form 5 obligations

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

**SECURITIES** 

burden hours per response...

may continue. See Instruction

Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person \* **GOLDBERG DAVID C** 

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

ENZO BIOCHEM INC [ENZ]

09/23/2008

(Check all applicable)

(Last)

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

Director 10% Owner

C/O ENZO BIOCHEM INC, 527

**MADISON AVE** 

Other (specify \_X\_\_ Officer (give title below) VP, Business Development

(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	Secur	ities Acqu	uired, Disposed of	f, or Beneficiall	ly 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. Securities Acquired ion(A) or Disposed of (D) (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common Stock, par value \$0.01 per share	09/23/2008		M	6,078 (1)	A	\$ 5.45	106,547 (2)	D	
Common Stock, par value \$0.01 per share	09/23/2008		F	2,942 (1)	D	\$ 11.26	103,605 (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)

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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)	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)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Option	\$ 5.45	09/23/2008		M	6,078	10/01/2002	10/01/2008	Common Stock, par value \$0.01 per share	6,078

## **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

GOLDBERG DAVID C C/O ENZO BIOCHEM INC 527 MADISON AVE NEW YORK, NY 10022

VP, Business Development

# **Signatures**

/s/ David C. 09/25/2008 Goldberg

\*\*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).
- The Reporting Person exercised a stock option to purchase 6,078 shares of Common Stock and paid the exercise price thereof by the surrender of 2,942 shares of Common Stock, for a net gain in outstanding shares of Common Stock of 3,136 shares. The stated exercise price of the stock option was \$5.45.
- Includes (i) 42,260 shares of Common Stock issuable upon the exercise of options which are exercisable within 60 days from the date (2) hereof, (ii) 979 shares of Common Stock indirectly beneficially owned through the UGMA accounts of the Reporting Person's children, (iii) 2,000 shares of restricted Common Stock, and (iv) 3,102 shares of Common Stock held in the Company's 401(k) plan.

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