

ENZO BIOCHEM INC

Form 4

August 13, 2007

FORM 4**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).

**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
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(Print or Type Responses)

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

(Last) (First) (Middle)

**C/O ENZO BIOCHEM INC, 527
MADISON AVE**

(Street)

NEW YORK, NY 10022

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading
Symbol
ENZO BIOCHEM INC [ENZ]

3. Date of Earliest Transaction
(Month/Day/Year)
08/09/2007

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

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

____ Director ____ 10% Owner
__X__ Officer (give title ____ Other (specify
below) below)

VP, Business Development

6. Individual or Joint/Group Filing(Check
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

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 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	08/09/2007		C	(A) or (D) 3,191 (1)	A (1) 99,654 (2)	D	

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

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information contained in this form are not
required to respond unless the form
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(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)	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)	
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Option	\$ 11.655	08/09/2007		C	3,191	08/27/1997	08/27/2007	Common Stock, par value \$0.01 per share	3,191

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
Goldberg

08/13/2007

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).

The Reporting Person exercised a stock option to purchase 3,191 shares of Common Stock and paid the exercise price thereof by the

(1) surrender of 2,082 shares of Common Stock, for a net gain in outstanding shares of Common Stock of 1,109 shares. The stated exercise price of the stock options was \$11.655.

As of the date hereof, the Reporting Person directly beneficially owned 40,854 shares of Common Stock, 979 shares indirectly

(2) beneficially owned through the UGMA accounts of the Reporting Person's children, 3,102 shares of Common Stock in Enzo Biochem's 401(K) Plan and 54,719 options to purchase Common Stock, par value \$0.01 per share, which are currently exercisable.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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