

ENZO BIOCHEM INC

Form 5

September 14, 2005

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 *
THALENFELD BARBARA E

(Last)

(First)

(Middle)

C/O ENZO BIOCHEM INC,Â 527
MADISON AVE

(Street)

2. Issuer Name **and** Ticker or Trading
Symbol
ENZO BIOCHEM INC [ENZ]3. Statement for Issuer's Fiscal Year Ended
(Month/Day/Year)
07/31/20054. 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)

Vice President, Corporate Devl

6. Individual or Joint/Group Reporting

(check applicable line)

NEW YORK,Â NYÂ 10022

(City)

(State)

(Zip)

☒ 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 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)
				Amount	(A) or (D)	Price			
Common Stock, par value \$0.01 per share	12/10/2004	Â	M	7,036	A	\$ 7.107	14,817 ⁽¹⁾	D	Â
Common Stock, par value \$0.01 per share	02/05/2005	Â	S	2,697	D	\$ 18.51	14,817	D	Â
	07/11/2005	Â	S	3,570	D	\$ 17.8	14,817	D	Â

Common
Stock, par
value \$0.01
per share

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 Underlying Securities (Instr. 3 and 4)
					(A) (D)	Date Exercisable Expiration Date	Title Amount or Number of Shares
Employee Stock Option	\$ 7.107	12/10/2004	Â	M	Â 7,036	12/20/1998 12/20/2004	Common Stock, par value \$0.01 per share 7,036

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
THALENFELD BARBARA E C/O ENZO BIOCHEM INC 527 MADISON AVE NEW YORK, NY 10022	Â	Â	Â Vice President, Corporate Devl	Â

Signatures

/s/ Barbara E.
Thalenfeld 09/14/2005

__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)

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As of the end of Issuer's Fiscal Year, 07/31/2005, the Reporting Person directly beneficially owned 14,817 shares of Common Stock, 381 shares of Common Stock in Enzo Biochem's 401(K) Plan, and 41,905 options to purchase Common Stock, par value \$0.01 per share, exercisable.

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.