### **ENZO BIOCHEM INC**

Form 4 October 19, 2006

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

**OMB APPROVAL** 

OMB 3235-0287 Number: January 31,

Expires: 2005

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response... 0.5

if no longer subject to Section 16. Form 4 or Form 5

Check this box

obligations may continue. See Instruction

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

(Print or Type Responses)

1(b).

(Last)

(City)

1.Title of

Security

(Instr. 3)

1. Name and Address of Reporting Person \* THALENFELD BARBARA E

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

ENZO BIOCHEM INC [ENZ]

3. Date of Earliest Transaction

(Month/Day/Year) 07/06/2006

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

(Check all applicable)

below)

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

(Street)

(First)

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

VP, Corporate Development 6. Individual or Joint/Group Filing(Check

Applicable Line)

below)

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

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

NEW YORK, NY 10022

(State) (Zip) 2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

(Middle)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially (D) or Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect Beneficial Indirect (I) Ownership (Instr. 4) (Instr. 4)

(A) or

(D)

Transaction(s) (Instr. 3 and 4) Price

Common

per share

Stock, par 07/06/2006 value \$0.01

1,803 M

Code V Amount

74,343 (2)

D

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

(Month/Day/Year)

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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 out 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	<u>(1)</u>	07/06/2006		M	6,700	07/30/1996	07/30/2006	Common Stock, par value \$0.01 per share	6,700

# **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

THALENFELD BARBARA E C/O ENZO BIOCHEM, INC. 527 MADISON AVENUE NEW YORK, NY 10022

VP, Corporate Development

## **Signatures**

/s/ Barbara E. 10/19/2006 Thalenfeld

\*\*Signature of Reporting 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) The Reporting Person exercised a stock option to purchase 6,700 shares of Common Stock and paid the exercise price thereof by the surrender of 4,897 shares of Common Stock, for a net gain in outstanding shares of Common Stock of 1,803 shares.
- As of the date hereof, the Reporting Person directly beneficially owned 16,620 shares of Common Stock, 1,019 shares of Common Stock in Enzo Biochem's 401(K) Plan, and 56,704 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. 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.

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