FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
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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 or Section 30(h) of the Investment Company Act of 1940

(Print or Type	e Responses)																	
1. Name and Address of Reporting Person * DELUCCA JOHN					2. Issuer Name and Ticker or Trading Symbol ENZO BIOCHEM INC [ENZO]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable) _X_ Director 10% Owner					
(Last) (First) (Middle) C/O ENZO BIOCHEM INC, 527 MADISON AVENUE				3. Date of Earliest Transaction (Month/Day/Year) 06/07/2007								C	Officer (give	title below)	Otho	r (specify belo	ow)	
(Street)				4. If Amendment, Date Original Filed(Month/Day/Year) 06/11/2007								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 YOI		(Zip)																
		la. D				le I - Non-Derivative Securities Acquired 'ransaction 4. Securities Acquired					uired, Disposed of, or Beneficially Own					7 N /		
1.Title of Security (2. Transaction Date (Month/Day/Year			2A. Deemed Execution Date, if any (Month/Day/Year)		Code (Instr.	Code (A) or Disposed of (Instr. 8) (Instr. 3, 4 and 5)				f (D)			Securities Beneficially ing Reported		Ownership Form:	7. Nature of Indirect Beneficial Ownership		
				Ì			Coo	de	V A	mount	(A) or (D)	Price		Í			or Indirect (I) (Instr. 4)	(Instr. 4)
Common Stock 06/07/2007			06/07/2007				N.	1	6,	078	A S	\$ 5.45	8,578 (1) (2)			D		
Common Stock 06/07/2007		06/07/2007				N.	ſ	9,	116	1 1	\$ 8.073	17,694 (1) (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 information contained in this form are not required to respond unless the form displays a currently valid OMB control number. SEC 1474 (9-02)																		
			Table II -								f, or Benei ible securi		Owned	i				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)		if Transaction of Code Deriva		vative arities uired or bosed D) tr. 3, 4,	Expiration Date (Month/Day/Year) Si (II speed) Si (II spee		of Und Securi	7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Price of 9. Number Derivative Security (Instr. 5) Beneficiall Owned Following Reported Transactio (Instr. 4)		Owners Form o Derivat Security Direct (or Indir	Ownersh y: (Instr. 4) D) ect			
				Code	v	(A)	(D)	Date Exerc	isable	Ex _j Da	piration te	Title		Amount or Number of Shares				
Rule 16b-3 Employee Stock Option (right to buy)	\$ 5.45	06/07/2007		М			6,078	10/0	1/199	8 10	/01/2008	Comi		6,078	\$ 0	74,246 ⁽¹	D D	
Rule 16b-3 Employee Stock Option (right to buy)	\$ 8.073	06/07/2007		М			9,116	01/14	4/199	9 10.	/14/2009	Comi		9,116	\$ 0	65,130 ⁽¹⁾) D	

Reporting Owners

	Relationships						
Reporting Owner Name /	Director	10% Owner	Officer	Other			
Address							

DELUCCA JOHN C/O ENZO BIOCHEM INC 527 MADISON AVENUE NEW YORK, NY 10022	X			
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Signatures

/s/ John J. Delucca	06/13/2007
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).
- (1) As of the date hereof, the Reporting Person has a direct beneficial ownership interest in: (a) 17,694 shares of Common Stock; and (b) stock options to purchase 65,130 shares of Common Stock. The Reporting Person also owns 9,500 Restricted Stock Units that will not vest within the next 60 days.
- (2) This amended filing is being made to correct the original filing made on June 11, 2007 (the "Original Form 4"). The Original Form 4 mistakenly recorded the amount of non-derivative securities owned by the Reporting Person following the reported transactions and used incorrect transaction codes.

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.