FORM	4
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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).

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

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SEC 1474 (9-02)

### 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

(Find of Type Responses)										
1. Name and Address of Reporting Per Crescenzo Andrew R.	2. Issuer Name <b>and</b> Ticker or Trading Symbol ENZO BIOCHEM INC [ENZ]						5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner			
(Last) (First) C/O ENZO BIOCHEM, INC., AVENUE	(Middle) 527 MADISON	3. Date of Earliest Transaction (Month/Day/Year) 01/26/2012					XOfficer (give title below)  Other (specify below)    Senior VP of Finance			
(Street) NEW YORK, NY 10022	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			
(City) (State)	(Zip)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Ow							Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Execution Date, if		tion			of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	Ownership of India Form: Benefic	7. Nature of Indirect Beneficial Ownership
		(Wohth/Day/Tear)	Code	v	Amount	(A) or (D)	Price		or Indirect (I) (Instr. 4)	
Common Stock, par value \$0.01	01/26/2012		А		12,000	A	<u>(1)</u>	64,584 <sup>(2)</sup>	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.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

(e.g., puts, calls, warrants, options, convertible securities)															
1. Title of			3A. Deemed	4.		5.		6. Date Exer		7. Tit			9. Number of		11. Nature
Derivative	Conversion	Date	Execution Date, if	Transactio	on	Numl	Number and Expiration Date A		Amount of Derivative		Derivative	Ownership	of Indirect		
Security	or Exercise	(Month/Day/Year)	any	Code		of	of (Month/Day/Year) U		Underlying Security		Securities	Form of	Beneficial		
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)		Deriv	Derivative		Securities (Instr. 5)		Beneficially	Derivative	Ownership		
	Derivative					Secur	ecurities		(Instr. 3 and			Owned	Security:	(Instr. 4)	
	Security					Acqu	ired			4)			Following	Direct (D)	
						(A) o	r						Reported	or Indirect	
						Dispo	osed						Transaction(s)	(I)	
						of (D	)						(Instr. 4)	(Instr. 4)	
						(Instr	. 3,								
						4, and	15)								
											Amount				
								<b>D</b> .	<b>.</b>		or				
									Expiration	Title	Number				
								Exercisable	Date		of				
				Code	V	(A)	(D)				Shares				

### **Reporting Owners**

	Relationships							
Reporting Owner Name / Address	Director	10% Owner	Officer	Other				
Crescenzo Andrew R. C/O ENZO BIOCHEM, INC. 527 MADISON AVENUE NEW YORK, NY 10022			Senior VP of Finance					

## Signatures

/s/ Andrew R. Crescenzo	01/30/2012
**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) The Reporting Person was granted 12,000 shares of restricted common stock, par value \$0.01 per share ("Common Stock"), of the Company on January 26, 2012 in connection with his service as an officer of the Company. The shares will vest in three equal annual installments, beginning on January 26, 2013.
- (2) Includes 7,584 shares of Common Stock held in the Company's 401(k) plan.

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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