

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

OMB APPROVAL OMB Number: 3235-0104 Estimated average burden hours per response... 0.5

INITIAL STATEMENT OF 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 Responses)	*	•			
1. Name and Address of Reporting Person [*] BALEZENTIS CARL W	2. Date of Event Requiring Statement (Month/Day/Year) 06/05/2006	3. Issuer Name and Ticker or Trading Symbol ENZO BIOCHEM INC [ENZ]			
(Last) (First) (Middle) C/O ENZO BIOCHEM, INC., 527 MADISON AVENUE	-00/03/2000	1 1 0 ()			5. If Amendment, Date Original Filed(Month/Day/Year)
(Street) NEW YORK, NY 10022				cify	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 Beneficially Owned				
1. Title of Security (Instr. 4)		. Amount of Securities Beneficially Owned Instr. 4)		4. Nature of Indirect Beneficial Ownership (Instr. 5)	

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

SEC 1473 (7-02)

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 Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

(Instr. 4)	and Expiration Date (Month/Day/Year)		Securities Underlying Derivative Security		or Exercise Price of Derivative	Form of	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security (D) or Indirect (I) (Instr. 5)		
Restricted Stock Units (1)	<u>(2)</u>	(2)	Common Stock	5,000	\$ 0 <u>(1)</u>	D	

Reporting Owners

	Relationships					
Reporting Owner Name / Address	Director	10% Owner	Officer	Other		
BALEZENTIS CARL W C/O ENZO BIOCHEM, INC. 527 MADISON AVENUE NEW YORK, NY 10022			Pres., Enzo Life Sciences, Inc			

Signatures

/s/ Carl W. Balezentis	06/15/2006
**Signature of Reporting Person	Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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 Restricted Stock Units were granted pursuant to the Employment Agreement between Enzo Biochem, Inc. and the Registrant, dated 5/1/2006. Each Restricted Stock Unit represents a right to receive one share of Common Stock.
- (2) The Restricted Stock Units vest while the Registrant is employed, in equal amounts annually, over a period of four years.

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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