

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* Kent Stephen B H (Last) (First) (Middle) C/O ENZO BIOCHEM, INC., 520 MADISON AVENUE (Street) NEW YORK CITY, NY 10022 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 01/23/2007	3. Issuer Name and Ticker or Trading Symbol ENZO BIOCHEM INC [ENZ]	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)	
		5. If Amendment, Date Original Filed(Month/Day/Year)	
6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person			

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4) Restricted Stock Units (1)	2. Amount of Securities Beneficially Owned (Instr. 4) 0 (2)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) D	4. Nature of Indirect Beneficial Ownership (Instr. 5)
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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)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Kent Stephen B H C/O ENZO BIOCHEM, INC. 520 MADISON AVENUE NEW YORK CITY, NY 10022	X			

Signatures

/s/ Stephen B. H. Kent	01/29/2007
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) On January 23, 2007, the Reporting Person was granted 7,000 Restricted Stock Units as compensation for serving as a director of the Issuer. Each Restricted Stock Unit consists of a right to the issuance of one share of common stock, par value \$0.01 ("Common Stock"). The Restricted Stock Units are subject to a two-year vesting period.
- (2) None of the Restricted Stock Units are deemed to be beneficially owned by the Reporting Person as of the date hereof because none of the Restricted Stock Units will vest within the next 60 days.

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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