

KASTEN BERNARD L  
 Form 3  
 February 05, 2008

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

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. Name and Address of Reporting Person *  |   | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol                            |  |
| KASTEN BERNARD L                           |   | (Month/Day/Year)                     | ENZO BIOCHEM INC [ENZ]   |  |
| (Last)                                     | (First)   | (Middle)                             | 01/24/2008   |  |
| C/O ENZO BIOCHEM, INC., 527 MADISON AVENUE |   |                                      | 4. Relationship of Reporting Person(s) to Issuer                       | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| (Street)                                   | (Check all applicable)  |                                      |  |  |
|  | <input checked="" type="checkbox"/> Director                          | <input type="checkbox"/> 10% Owner   |  |  |
|  | <input type="checkbox"/> Officer                                      | <input type="checkbox"/> Other       | 6. Individual or Joint/Group Filing(Check Applicable Line)             |  |
|  | (give title below)  | (specify below)                      | <input checked="" type="checkbox"/> Form filed by One Reporting Person |  |
| NEW YORK, NY 10022                         | <input type="checkbox"/> Form filed by More than One Reporting Person |                                      |  |  |
| (City)                                     | (State)   | (Zip)                                |  |  |

**Table I - Non-Derivative Securities Beneficially Owned**

|                                    |  |   |  |
|------------------------------------|--|---|--|
| 1. Title of Security<br>(Instr. 4) | 2. Amount of Securities Beneficially Owned<br>(Instr. 4) | 3. Ownership Form:<br>Direct (D)<br>or Indirect (I)<br>(Instr. 5) | 4. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|------------------------------------|--|---|--|

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

SEC 1473 (7-02)

**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 Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

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

|                            |       |       |                 |            |        |                                  |
|----------------------------|-------|-------|-----------------|------------|--------|----------------------------------|
|                            |       |       |                 | Shares     |        | or Indirect<br>(1)<br>(Instr. 5) |
| Restricted Stock Units (1) | Â (1) | Â (1) | Common<br>Stock | 12,328 (2) | \$ (1) | D Â                              |

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |         |       |
|---|---------------|-----------|---------|-------|
|   | Director      | 10% Owner | Officer | Other |
| KASTEN BERNARD L<br>C/O ENZO BIOCHEM, INC.<br>527 MADISON AVENUE<br>NEW YORK,, NY 10022 | Â X           | Â         | Â       | Â     |

## Signatures

/s/ Bernard L.  
Kasten

01/24/2008

\*\*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).
- On January 24, 2008, the Reporting Person was granted 12,328 Restricted Stock Units as compensation for serving as a director of the
- (1) Issuer. Each Restricted Stock Unit consists of a right to the issuance of one share of common stock, par value \$.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. 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.