

☒ Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

☐ Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>PULLY STEVEN J</u> (Last) (First) (Middle) <u>C/O ENZO BIOCHEM, INC.</u> <u>21 EXECUTIVE BLVD.</u> (Street) <u>FARMINGDALE NY 11735</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>ENZO BIOCHEM INC [ENZB]</u> 3. Date of Earliest Transaction (Month/Day/Year) <u>08/20/2025</u> 4. If Amendment, Date of Original Filed (Month/Day/Year)	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) ☒ Director 10% Owner Officer (give title below) Other (specify below) 6. Individual or Joint/Group Filing (Check Applicable Line) ☒ Form filed by One Reporting Person Form filed by More than One Reporting Person
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Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	08/20/2025		D		239,992 ⁽¹⁾⁽²⁾ ₍₃₎	D	(1)(2)	0	D	

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		Date Exercisable	Expiration Date					

Explanation of Responses:

1. The shares were disposed of pursuant to the Agreement and Plan of Merger, dated June 23, 2025 (the "Merger Agreement"), by and among the Issuer, Bethpage Parent, Inc. ("Parent"), and Bethpage Merger Sub, Inc., a wholly-owned subsidiary of Parent ("Merger Sub"). Pursuant to the terms of the Merger Agreement, Merger Sub merged with and into the Issuer (the "Merger"), with the Issuer surviving the Merger as a wholly-owned subsidiary of Parent. At the effective time of the Merger (the "Effective Time"), each share of the Issuer's common stock, par value \$0.01 per share ("Common Stock"), was canceled and automatically converted into the right to receive \$0.70 in cash, without interest and less any applicable withholding taxes (the "Merger Consideration").
2. Pursuant to the Merger Agreement, at the Effective Time, each restricted stock unit ("RSU") that vested solely on the basis of time that was outstanding as of immediately prior to the Effective Time and was held by a member of the Issuer's Board of Directors was canceled and converted into the right to receive an amount in cash obtained by multiplying (A) the total number of shares of Common Stock underlying such RSU, by (B) the Merger Consideration, subject to any required withholding of taxes.
3. Represents 142,897 RSUs and 79,365 shares of Common Stock.

/s/ Steven J. Pully08/20/2025

** Signature of Reporting PersonDate

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.