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

FORM 12b-25

NOTIFICATION OF LATE FILING

OMB APPROVAL
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				CUSIP NUMBER
(Check one):	□ Form 10-K □ Fo	rm 20-F □ Form 11-K ⊠ Form 10 -	•Q 🗆 Form 10-D 🗆 Form	n N-CEN □ Form N-CSR
	For Period Ended:	January 31, 2023		
	☐ Transition Report of	n Form 10-K		
	☐ Transition Report of	n Form 20-F		
	☐ Transition Report of	n Form 11-K		
	☐ Transition Report of	n Form 10-Q		
	For the Transition Peri	od Ended:		
		ing checked above, identify the Item(s)	to which the notification rela	ates:
PART I — REG	ISTRANT INFORMATIO	N		
Enzo Biochem, In	c			
Full Name of Reg	istrant			
Former Name if A	applicable			
81 Executive Blve	1. Suite 3			
	pal Executive Office (Street	and Number)		
Farmingdale, NY	11735			
City, State and Zi	p Code			
PART II — RUI	.ES 12b-25(b) AND (c)			

If the subject report could not be filed without unreasonable effort or expense and the registrant seeks relief pursuant to Rule 12b-25(b), the following should be completed. (Check box if appropriate)

- 🗵 (a) The reasons described in reasonable detail in Part III of this form could not be eliminated without unreasonable effort or expense;
- (b) The subject annual report, semi-annual report, transition report on Form 10-K, Form 20-F, Form 11-K, Form N-CEN, or Form N-CSR, or portion thereof, will be filed on or before the fifteenth calendar day following the prescribed due date; or the subject quarterly report of transition report on Form 10-Q, or subject distribution report on Form 10-D, or portion thereof, will be filed on or before the fifth calendar day following the prescribed date; and
- ☐ (c) The accountant's statement or other exhibit required by Rule 12b-25(c) has been attached if applicable.

PART III — NARRATIVE

State below in reasonable detail the reasons why Forms 10-K, 20-F, 11-K, 10-Q, 10-D, N-SAR, N-CSR, or the transition report portion thereof, could not be filed within the prescribed time period.

[Please indicate reason for being late]

Enzo Biochem, Inc.'s Form 10-Q for the period ended January 31, 2023 cannot be filed within the prescribed time period without unreasonable effort or expense. The Company expects to file the Form 10-Q on or before March 20, 2023.

SEC 1344 (03-05) 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 control number.

(Attach extra Sheets if Needed)

PART IV — OTHER INFORMATION

(1) Name and telephone number of person to contact in regard to this notification

	Patricia Eckert	631	755-5500
	(Name)	(Area Code)	(Telephone Number)
(2)	Have all other periodic reports required under Section 13 or 15(d) during the preceding 12 months or for such shorter period that the		
(3)	Is it anticipated that any significant change in results of operations	from the corresponding period for	the last fiscal year will be reflected by the earnings statements to
	be included in the subject report or portion thereof?		Yes ⊠ No □
	If so, attach an explanation of the anticipated change, both narrative results cannot be made.	vely and quantitatively, and, if app	ropriate, state the reasons why a reasonable estimate of the
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		Enzo Biochem, Inc. Form 12b-25	
		V – Other Information (3) or period ended January 31, 2023	
19 testing	mpany's Form 10-Q for the three months ended October 31, 2022, filg and disclosed therein that COVID-19 testing was no longer a materiable comparison in its immediate prior quarter ended October 31, 2022	al part of the Company's testing bu	siness. As a result, the Company reported a significant
	pany expects that there will be a significant unfavorable change in the inded January 31, 2022. This unfavorable change is again primarily du		
Forward	-Looking Statements		
research a we releas relate stri	osure and analysis in this Form 12b-25 contain forward-looking informed development that involve substantial risks and uncertainties. From the public. Forward-looking statements give our current expectation to historic or current facts. They use words such as "anticipate", eaning in connection with any discussion of future operations or final	n time to time, we also may provid ions or forecasts of future events. Ye 'estimate", "expect", "project", "in	e oral or written forward-looking statements in other materials of ou can identify these statements by the fact that they do not
sales effo pandemic been prud uncertain As a resul statement in the futu forth in or reports to	alar, these include statements relating to future actions, prospective process, expenses, interest rates, foreign currency rates, intellectual proper and measures we have taken in response, and financial results. We calent in our plans and assumptions. Achievement of future results is suffice materialize, or should underlying assumptions prove inaccurate, alt, investors are cautioned not to place undue reliance on any of our focus. We do not assume any obligation to update or revise any forward-lure. We are also affected by other factors that may be identified from ur Form 10-K filing for the July 31, 2022 fiscal year. You are advised the Securities and Exchange Commission. Although we have attempt factors may prove to be important in the future and could affect our of	ty matters, the outcome of conting annot guarantee that any forward-l bject to risks, uncertainties and ina ctual results could vary materially rward-looking statements. Investo booking statement that we make, eve time to time in our filings with the to consult any further disclosures ted to provide a list of important fa	encies, such as legal proceedings, impacts of the COVID-19 boking statement will be realized, although we believe we have ccurate assumptions. Should known or unknown risks or from past results and those anticipated, estimated or projected, rs should bear this in mind as they consider forward-looking en if new information becomes available or other events occur Securities and Exchange Commission, some of which are set we make on related subjects in our Forms 10-Q, 8-K and 10-K
	ald understand that it is not possible to predict or identify all such facted not consider any such list to be a complete set of all potential risks		factor or combination of factors on our business. Consequently,
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		3	
		Enzo Biochem, Inc.	
	(Name of Re	egistrant as Specified in Charter)	
has cause	d this notification to be signed on its behalf by the undersigned hereu	nto duly authorized.	
Date:	March 14, 2023	By:	/s/ Patricia Eckert
			Patricia Eckert Interim Chief Financial Officer and Principal Accounting Officer
form shal	CTION: The form may be signed by an executive officer of the regist: I be typed or printed beneath the signature. If the statement is signed of the representative's authority to sign on behalf of the registrant sha	on behalf of the registrant by an au	
	Intentional misstatements or omissions of fa	ATTENTION ct constitute Federal Criminal V	iolations (See 18 U.S.C. 1001)

GENERAL INSTRUCTIONS

- 2. One signed original and four conformed copies of this form and amendments thereto must be completed and filed with the Securities and Exchange Commission, Washington, D.C. 20549, in accordance with Rule 0-3 of the General Rules and Regulations under the Act. The information contained in or filed with the form will be made a matter of public record in the Commission files.
- 3. A manually signed copy of the form and amendments thereto shall be filed with each national securities exchange on which any class of securities of the registrant is registered.
- 4. Amendments to the notifications must also be filed on Form 12b-25 but need not restate information that has been correctly furnished. The form shall be clearly identified as an amended notification.
- 5. Electronic filers. This form shall not be used by electronic filers unable to timely file a report solely due to electronic difficulties. Filers unable to submit reports within the time period prescribed due to difficulties in electronic filing should comply with either Rule 201 or Rule 202 of Regulation S-T (§232.201 or §232.202 of this chapter) or apply for an adjustment in filing date pursuant to Rule 13(b) of Regulation S-T (§232.13(b) of this chapter).
- 6. <u>Interactive data submissions.</u> This form shall not be used by electronic filers with respect to the submission or posting of an Interactive Data File (§232.11 of this chapter). Electronic filers unable to submit or post an Interactive Data File within the time period prescribed should comply with either Rule 201 or 202 of Regulation S-T (§232.201 and §232.202 of this chapter).