SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 FORM 10-Q

Mark one

[X] QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934					
For the quarterly period ended January 31, 2000					
or					
[] TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF SECURITIES EXCHANGE ACT OF 1934	THE				
For the transition period from to					
Commission File Number 1-9974					
ENZO BIOCHEM, INC.					
(Exact name of registrant as specified in its					
New York	13-2866202				
(State or Other Jurisdiction of Incorporation or Organization)	(I.R.S. Employer Identification No.)				
60 Executive Blvd., Farmingdale, New York	11735				
(Address of Principal Executive office)	(Zip Code)				
(516-755-5500)					
(Registrant's telephone number, including are	ea code)				
Securities registered pursuant to Section 12(b) of the Act:					
Common Stock, \$0.01 par value The American	Stock Exchange				
(Title of Class) (Name of Each Exchange					
Securities registered pursuant to Section 12(g) of the Act:					
NONE					
Indicate by check mark whether the registrant (1) has filed to be filed by Section 13 or 15(d) of the Securities Exchanthe preceding 12 months (or for such shorter period that the required to file such reports), and (2) has been subject to requirements for the past 90 days.	ge Act of 1934 during se registrant has				
Yes [X] No []					
As of March 7, 2000 the Registrant had 25,320,000 shares of outstanding.	Common Stock				

ENZO BIOCHEM, INC.

FORM 10-Q

January 31, 2000

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ENZO BIOCHEM, INC. PART 1 - FINANCIAL INFORMATION

Item 1. Financial Statements

CONSOLIDATED BALANCE SHEET

<TABLE>

<caption></caption>		
	January 31, 2000 (unaudited)	July 31, 1999
	(in The	usands)
<\$>	<c></c>	<c></c>
ASSETS		
Current assets:		
Cash and cash equivalents	\$46,541	\$43,218
Accounts receivable, less allowance for doubtful accoun	ts 17,469	15,007
Inventories	1,662	1,427
Deferred taxes	1,186	1,186
Other	994	847
Total current assets		61,685
Property and equipment, at cost, less accumulated depreciati		
amortization	2,912	2,824
Cost in excess of fair value of net tangible assets acquired		0.560
accumulated amortization	8,378	8,563
Deferred patent costs, less accumulated amortization Deferred taxes	4,131	4,312
Other	1,389 127	1,389 127
other		
	\$84,789	\$78 , 900
	======	======
LIABILITIES AND STOCKHOLDERS' EQUITY		
Current liabilities:		
Trade accounts payable	\$ 1,143	\$ 1,196
Income taxes payable	50	300
Other accrued expenses	1,046	866
Total current liabilities	2,239	2,362
Deferred liabilities	840	890
Stockholders' equity:		

Preferred Stock, \$.01 par value; authorized 25,000,000 shares; no shares issued or outstanding Common Stock, \$.01 par value; authorized 75,000,000 shares; shares issued and outstanding; 25,316,700 shares at January 31, 2000 and 24,957,700, shares at July 31, 1999 Additional paid-in capital Accumulated deficit Total stockholders' equity

253 250 92,452 95,474 (17,054) (14,017)75,648 81,710 _____ \$84,789 \$78,900

Six Months Ended January 31,

</TABLE>

See accompanying notes

ENZO BIOCHEM, INC. CONSOLIDATED STATEMENT OF OPERATIONS (Unaudited)

<TABLE> <CAPTION>

	2000	1999
<\$>		xcept per share data) <c></c>
Revenues: Research product revenues Clinical laboratory services	\$ 8,487 14,689	\$ 7,347 14,178
-		
Total operating revenues	23,176	21,525
Costs and expenses:		
Cost of research product revenues	3,605	3,724
Cost of clinical laboratory services	4,000	4,053
Research and development expense	2,514	2,297
Selling expense Provision for uncollectable accounts receivable	1,463	1,399
	5,211	4,958 3,972
General and administrative expenses	4,366	3,912
Total costs and expenses	21 , 159	20,403
Income before interest income and provision for taxes on income Interest income - net	2,017 1,172	1,122 1,017
Income before provision for taxes on income	3,189	2,139
Provision for taxes on income	(152) 	(116)
Net income	\$3,037 =====	\$2,023 =====
Net income per common share: Basic	\$.12 ======	\$.08 =====
Diluted	\$.12	\$.08
	======	======
Denominator for per share calculation:		
Basic	25 , 124	24 , 899
Diluted	26,388	25,715
	=====	======

See accompanying notes </TABLE>

ENZO BIOCHEM, INC. CONSOLIDATED STATEMENT OF OPERATIONS (Unaudited)

<TABLE>

<CAPTION>

<S>

Three Months Ended January 31, 2000 1999 _____

(In thousands, except per share data) <C>

Revenues: Research product revenues

\$ 4,155

\$ 3,849

Clinical laboratory services	7,409 	7 , 152
Total operating revenues	11,564	11,001
Costs and expenses:		
Cost of research product revenues Cost of clinical laboratory services Research and development expense Selling expense Provision for uncollectable accounts receivable General and administrative expenses	·	1,707 1,936 1,227 742 2,520 2,000
Total costs and expenses	10,597	10,132
Income before interest income and provision for taxes on income Interest income - net	967 608	869 507
Income before provision for taxes on income Provision for taxes on income	1,575 (55)	1,376 (58)
Net income	\$ 1,520 =====	\$ 1,318 ======
Net income per common share:		
Basic	\$.06	\$.05
Diluted	====== \$.06 ======	\$.05 =====
Provided a Community and I delice		
Denominator for per share calculation: Basic	•	24,906
Diluted	====== 26,349 ======	25 , 722

See accompanying notes </TABLE>

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ENZO BIOCHEM, INC. CONSOLIDATED STATEMENT OF CASH FLOWS (Unaudited)

<TABLE> <CAPTION>

CAPTION	2000	ded January 31 1999
	(In tho	
<\$>	<c></c>	<c></c>
Cash flows from operating activities:		
Net income	\$ 3,037	\$2,023
Adjustments to reconcile net income to net		
cash provided by operating activities:		
Depreciation and amortization of properly		
and equipment	410	440
Amortization of costs in excess of fair		
value of tangible assets acquired	185	185
Amortization of deferred patent costs	342	330
Issuance of warrants as compensation for services performed	60	37
Provision for uncollectable accounts receivable	5,211	4,958
Provision for pension expense	90	
Accretion of interest on note receivable		(58)
Provision for past infringement	(130)	
Deferred liabilities	(50)	
Change in assets and liabilities:		
Note receivable - J & J settlement		5,000
Accounts receivable before provision for		
uncollectable amounts	(7,671)	(5,417)
Inventories	(235)	70
Other	(144)	(37)
Trade accounts payable and other accrued expenses	145	(269)
Income Taxes payable	(250)	(92)
Total adjustments	(2,037)	5,147
Net cash provided by operating activities	\$ 1,000	

$\qquad \qquad \text{ENZO BIOCHEM, INC.} \\ \text{CONSOLIDATED STATEMENT OF CASH FLOWS (Unaudited)} \\$

<TABLE> <CAPTION>

	Six Months Ende 2000	d January 31, 1999
	(In thou	.sands)
<\$>	<c></c>	<c></c>
Cash flows from investing activities:		
Capital expenditures	(481)	(355)
Patent costs deferred	(161)	(193)
Security deposits		23
Net cash used in investing activities	(642)	(525)
Cash flows from financing activities: Payments of obligations under capital lease		
and long term debt		(9)
Proceeds from exercise of stock options	2,965	62
rioccount from exercise of book operand		
Net cash provided by financing activities	2,965	53
Net increase in cash and cash equivalents	3,323	6,698
Cash and cash equivalents at the beginning of the year	43,218	33,543
Cash and cash equivalents at the end of the period	\$46,541	\$40,241
	=====	======

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ENZO BIOCHEM, INC. NOTES TO CONSOLIDATED FINANCIAL STATEMENTS January 31, 2000 (Unaudited)

1. The consolidated balance sheet as of January 31, 2000, the consolidated statements of operations for three and six months ended January 31,2000 ("2000 Period") and 1999 ("1999 Period") and the consolidated statement of cash flows for the six months ended January 31, 2000 and 1999 have been prepared by the Company without audit. In the opinion of management, all adjustments (which include only normal recurring adjustments) necessary to present fairly the financial position, results of operations and cash flows at January 31, 2000 and for all periods presented have been made.

Certain information and footnote disclosures normally included in financial statements prepared in accordance with generally accepted accounting principles have been condensed or omitted. It is suggested that these financial statements be read in conjunction with the consolidated financial statements and notes thereto included in the Company's 1999 Annual Report on Form 10-K. The results of operations for the six months ended January 31, 2000 are not necessarily indicative of the results that may be expected for the full year.

In fiscal 1998, the Company adopted the provisions of SFAS No. 128, "Earnings Per Share", which was effective for both interim and annual financial statements for periods ending after December 15, 1997. SFAS 128 replaced the previously reported primary and fully diluted earnings per share with basic and diluted earnings per share. Unlike primary earnings per share, basic earnings per share excludes any dilutive effects of options and warrants. Diluted earnings per share is very similar to the previously reported fully diluted earnings per share. All earnings per share amounts for all periods have been presented, and where necessary, restated to conform to SFAS 128 requirements.

The following table sets forth the computation of basic and diluted earnings per share pursuant to SFAS 128. <TABLE>

<CAPTION>

	Six Months Ended 2000	January 31, 1999	Three Months Ended 2000	January 31, 1999
<s> Numerator:</s>	(In Thousands	, except per <c></c>	share data) <c></c>	<c></c>
Net income for numerator for basic and diluted earnings per common share	\$3,037 =====	\$ 2,023 ======	1,520 =====	\$ 1,318 ======
Denominator: Denominator for basic earnings per common equivalent share during the period	25 , 124	24,899	25,104	24,906

Effect of dilutive securities Employee and director stock options and				
warrants	1,264	816	1,245	816
Denominator for diluted earnings per common				
equivalent share and assumed conversions	26,388	25,715	26,349	25 , 722
	=====	======	======	======
Basic earnings per share	\$.12	\$.08	\$.06	\$.05
	=====	======	======	======
Diluted earnings per share	\$.12	\$.08	\$.06	\$.05
	=====	======	======	

 | | | |</TABLE>

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ENZO BIOCHEM, INC. NOTES TO CONSOLIDATED FINANCIAL STATEMENTS January 31, 2000 (Unaudited)

Note 2 - Segment Information

In fiscal 1999, the Company adopted SFAS No. 131, "Disclosures about Segments of an Enterprise and Related Information" ("SFAS No. 131") and retroactively applied it to fiscal 1998. The adoption of SFAS No. 131 had no impact on the Company's reported net income or shareholders' equity. The Company has two reportable segments: research and development and clinical reference laboratories. The Company's research and development segment conducts research and development activities as well as selling products derived from these activities. The clinical reference laboratories provide diagnostic services to the health care community. The Company evaluates performance based on income before provision for taxes on income. The accounting policies of the reportable segments are the same as those described in the summary of significant accounting policies. Costs excluded from income before provision for taxes on income and reported as other consist of corporate general and administrative costs which are not allocable to the two reportable segments. Management of the Company assesses assets on a consolidated basis only and therefore, assets by reportable segment has not been included in the reportable segments below.

The following financial information (in thousands) represents the reportable segments of the Company:
<TABLE>

<table> <caption></caption></table>					
	Research and Development		Clinical Reference Laboratories		
	2000	ded January 31, 1999	2000	nded January 31, 1999	
<pre> <s> Operating revenues:</s></pre>	<c></c>	<c></c>	<c></c>	<c></c>	
Research product revenues Clinical laboratory services	\$8,487 	\$7,347 	 \$14,689	 \$14 , 178	
Cost and expenses:					
Cost of research product revenues Cost of clinical laboratory services Research and development expense	3,745 2,514	3,724 2,297	4,000	4,053 	
-	2,314	2,291			
Interest income					
Income before provision for taxes on income	\$1,555 =====	\$ 677 =====	\$ 1,510 =====	\$ 1,406 =====	
31,	Three Months Ended January 31,		Three Months Ended January		
	2000	1999 	2000	1999	
Operating revenues:					
Research product revenues Clinical laboratory services	\$4,155	\$3,849	\$ 7,409	* 7 , 152	
Cost and expenses:					
Cost of research product revenues	1,824	1,707			

Cost of clinical laboratory services Research and development expense	1,	 ,261	1	 ,227	1,943 	1,936
Interest income						
Income before provision for taxes on income	\$	704	\$	541	\$ 808 =====	\$ 835 ======

</TABLE>

[RESTUBED TABLE FOR ABOVE]

<TABLE>

<caption></caption>	Other		Consolidated		
		d January 31, 1999 		1999	
<pre><s> Operating revenues:</s></pre>	<c></c>	<c></c>	<c></c>	<c></c>	
Research product revenues Clinical laboratory services			\$ 8,487 14,689	\$ 7,347 14,178	
Cost and expenses:					
Cost of research product revenues Cost of clinical laboratory services Research and development expense	 	 	3,745 4,000 2,514	•	
Interest income	1,172	1,017	1,172	1,017	
Income before provision for taxes on income	\$ 124 =====	\$ 56 =====	\$ 3,189 =====	\$ 2,139 =====	
		ed January 31, 1999 	Three Months En	_	
Operating revenues:					
Research product revenues Clinical laboratory services			\$ 4,155 7,409	\$ 3,849 7,152	
Cost and expenses:					
Cost of research product revenues Cost of clinical laboratory services Research and development expense	 	 	1,824 1,943 1,261	·	
Interest income	608	507	608	507	
Income before provision for taxes on income	\$ 63 	-0-	\$ 1,575 	\$ 1,376	

</TABLE>

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ENZO BIOCHEM, INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

January 31, 2000

(Unaudited)

Item 3. Legal Proceedings

In March 1993, the Company filed suit in the United States District Court for the District of Delaware charging patent infringement and acts of unfair competition against Calgene, Inc. and seeking a declaratory judgment of invalidity concerning Calgene's plant antisense patent. On February 9, 1994, the Company filed a second suit in the United States District Court for the District of Delaware charging Calgene with infringement of a second antisense patent owned by the Company. Calgene filed a counterclaim in the second Delaware action seeking a declaration that a third patent belonging to the Company is invalid. The two Delaware actions have been consolidated and were tried to the Court in April 1995. In addition, the Company filed suit on March 22, 1994 in the United States District Court for the Western District of Washington against Calgene and the Fred Hutchinson Cancer Research Center, alleging that the defendants had conspired to issue a false and misleading press release regarding a supposed "patent license" from Hutchinson to Calgene, and conspired to damage the Company's antisense patents by improperly using confidential information to challenge them in the Patent Office. The Complaint further charges that Hutchinson is infringing and inducing Calgene to infringe the Company's antisense patents. On February 2, 1996, the Delaware Court issued an opinion

ruling against Enzo and in favor of Calgene, finding certain Enzo claims infringed, but the patent, as a whole not infringed, and finding the claims at issue invalid for lack of enablement. Calgene's patent was found valid (non-obvious) over the prior art. On February 29, 1996, the Delaware Court issued an Order withdrawing its February 2, 1996 Opinion. On April 3, 1997, the European Patent Office rejected Calgene's opposition that had been lodged against the Company's related European antisense patent, thereby upholding the patent's validity. On May 23, 1997, the Japanese Patent Office issued a related antisense patent owned by the Company.

On June 1, 1998, the U.S. District Court for the District of Delaware issued its final decision in the case. In its decision the District Court held two of the Company's three antisense patents invalid and not infringed. The District Court declined to act on Calgene's claim that the Company's third antisense patent was invalid, citing lack of evidence. The District Court further held that the Calgene antisense patent was not invalid. Enzo appealed the District Court's judgment to the U.S. Court of Appeals for the Federal Circuit and Calgene cross-appealed. On September 24, 1999, the Court of Appeals issued its decision, rejecting Calgene's effort to invalidate Enzo's patent in genetic antisense technology, U.S. Patent No. 5,272,065, thus leaving it valid and standing. The Court of Appeals also clarified the District Court's judgment regarding two other of Enzo's genetic antisense patents (5,190,931 and 5,208,149), limiting judgment of invalidity only to the claims of the two patents which had been asserted against Calgene. The Court of Appeals remanded the case to the District Court for determination of whether the case was exceptional, which related to Calgene's claim for attorney fees. On October 7, 1999, Calgene filed a petition for rehearing directed to the Court of Appeal's disposition of Calgene's cross-appeal as to Enzo's `065 patent. The petition was denied on December 1, 1999. Calgene may file a petition for the case to be heard by the U.S. Supreme Court. There can be no assurance that the Company will be successful in connection with Calgene's petition for rehearing and Calgene's claim that the case is exceptional, the latter to be their subject of further proceedings in the District Court. However, even if the Company is not successful, management does not believe there will be a significant monetary

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In June 1999, the Company filed suit in the United States District Court for the Southern District of New York against Gen-Probe Incorporated, Chugai Pharma U.S.A., Inc., Chugai Pharmaceutical Co., Ltd., bioMerieux, Inc., bioMerieux SA, and Becton Dickinson and Company, charging them with infringing the Company's U.S. Patent 4,900,659, which concerns probes for the detection of the bacteria that causes gonorrhea. The case remains at an early stage. There can be no assurance that the Company will be successful in these proceedings. However, even if the Company is not successful, management does not believe that there will be a significant monetary impact.

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

Liquidity and Capital Resources

The Company at January 31, 2000, had cash and cash equivalents of \$46,541,000 an increase of \$3,323,000 from July 31,1999. The Company had working capital of \$65.6 million at January 31, 2000 compared to \$59.3 million at July 31,1999.

The Company's net income before taxes for the six months ended January 31, 2000 was \$3,189,000 which includes depreciation and amortization aggregating approximately \$937,000. The Company's positive cash flow from operations was sufficient to meet its current cash needs for the research and development programs and other investing activities.

Net cash provided by operating activities for the six month period ended January 31, 2000 was approximately \$1.0 million and as compared to net cash provided by operating activities of \$7.2 million for the 1999 period which included \$5.0 million of cash received in connection with the litigation settlement with Johnson & Johnson, Inc. The decrease in net cash provided by operating activities from the 1999 period to the 2000 period was primarily due to the payment in full of the Johnson & Johnson litigation settlement during the 1999 period.

Net cash used in investing activities increased by \$117,000 from the 1999 period primarily as a result of an increase in capital expenditures.

Net cash provided by financing activities increased by \$2.9 million from the 1999 period primarily as a result of the increase in proceeds from the exercise of stock options.

Results of Operations

Six months ended January 31,2000 compared with six months ended January 31, 1999

Revenues from operations for the period ended January 31,2000 increased by \$1,651,000 compared to revenues from operations for the six month period ended January 31, 1999. This increase was due to an increase of \$511,000 in revenue from the clinical reference laboratory operation and by the increase of \$1,140,000 of research products sales. The increase in research product sales resulted primarily from an increase in the mix of higher priced sales from the Company's non-exclusive distribution agreements. The increase in revenues from the clinical reference laboratory operations resulted primarily from an increase in higher priced screening tests and an increase in esoteric testing revenue.

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Cost of sales decreased by approximately \$172,000 as a result of a decrease in the cost of clinical laboratory services of \$53,000 and a decrease of \$119,000 in the cost of sales of research products from the Company's distribution agreements activities.

Research and development expenses increased by approximately \$217,000 as a result of an increase in expenses associated with the research programs.

General and Administrative expenses increased by approximately \$394,000, primarily due to an increase in legal fees and listing fees for the New York Stock Exchange.

The provision for income taxes for the six months ended January 31, 2000 and 1999 are based on the alternative minimum tax method and current state and local income taxes provided relate primarily to taxes computed based upon capital.

Results of Operations

Three months ended January 31,2000 compared with three months ended January 31, 1999

Revenues from operations for the three month period ended January 31, 2000 increased by \$563,000 compared to revenues from operations for the three month period ended January 31, 1999. This increase was due to an increase of \$257,000 in revenue from the clinical reference laboratory operation and by the increase of \$306,000 of research product sales. The increase in research product sales resulted primarily from an increase in the sales from the Company's non-exclusive distribution agreements. The increase in revenues from the clinical reference laboratory operations resulted primarily from an increase in esoteric testing revenue.

Cost of sales decreased by approximately \$16,000 as a result of an increase in the cost of clinical laboratory services of \$7,000 and a decrease of \$23,000 in the cost of sales of research products from the Company's distribution agreements activities.

Research and development expenses increased by approximately \$34,000\$ as a result of an increase in expenses associated with the research programs.

General and Administrative expenses increased approximately by \$220,000 primarily due to an increase in legal fees and listing fees for the New York Stock Exchange.

The provision for income taxes for the three months ended January 31, 2000 and 1999 are based on the alternative minimum tax method and current state and local income taxes provided relate primarily to taxes computed based upon capital.

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Item 4. SUBMISSION OF MATTERS TO A VOTE OF SECURITY HOLDERS

- (a) The Annual Meeting of Stockholders was held on January 12, 2000
- (b) The following matters were voted upon and the results were as follows:
 - (1) Elazar Rabbani, Ph.D. and John B. Sias were nominated by management and each were elected to serve as directors until the next Annual Meeting of Stockholders or until their successors are elected and shall qualify. The Stockholders voted 22,811,122 shares in the affirmative for Dr. Rabbani and 22,638,528 in the affirmative for Mr. Sias and 517,572 shares withheld for Dr. Rabbani and 690,161 shares in the negative for Mr. Sias.
 - (2) The stockholders voted 22,968,215 shares in the affirmative with respect to the ratification of Ernst & Young LLp as the Company's independent auditors for the fiscal year ended July 31, 2000 and 22,276 shares against and 338,203 shares abstained.

SIGNATURES

Pursuant to the requirements of the Securities and Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

ENZO BIOCHEM, INC.
----(registrant)

Date: March 10, 2000

<ARTICLE> 5

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