SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13D/A

Under the Securities Exchange Act of 1934 (Amendment No. 2)*

Enzo Biochem, Inc.

(Name of Issuer)

Common Stock, \$0.01 par value

(Title of Class of Securities)

294100102

(CUSIP Number)

Kevin A. McGovern, Esq. c/o Harbert Discovery Fund, LP 2100 Third Avenue North, Suite 600 Birmingham, AL 35203 (205) 987-5577

with a copy to:

Eleazer Klein, Esq. Schulte Roth & Zabel LLP 919 Third Avenue New York, New York 10022 (212) 756-2000

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

May 16, 2019

(Date of Event Which Requires Filing of This Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of Rule 13d-1(e), Rule 13d-1(f) or Rule 13d-1(g), check the following box. []

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

(Page 1 of 13 Pages)

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

^{*} The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

1	NAME OF REPORTING PERSON Harbert Discovery Fund, LP			
2	CHECK THE APPR	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (b) (b)		
3	SEC USE ONLY			
4	SOURCE OF FUND WC	SOURCE OF FUNDS WC		
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDING IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e)			
6	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware			
	7	SOLE VOTING POWER -0-		
NUMBER OF SHARES BENEFICIALLY	8	SHARED VOTING POWER 1,604,827		
OWNED BY EACH REPORTING PERSON WITH:	9	SOLE DISPOSITIVE POWER -0-		
PERSON WIIII.	10	SHARED DISPOSITIVE POWER 1,604,827		
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH PERSON 1,604,827			
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES			
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 3.40%			
14	TYPE OF REPORTING PERSON PN			

1	NAME OF REPORTING PERSON Harbert Discovery Fund GP, LLC			
2	CHECK THE APPR	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (b) (b)		
3	SEC USE ONLY			
4	SOURCE OF FUND AF	SOURCE OF FUNDS AF		
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDING IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e)			
6	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware			
	7	SOLE VOTING POWER -0-		
NUMBER OF SHARES BENEFICIALLY	8	SHARED VOTING POWER 1,604,827		
OWNED BY EACH REPORTING PERSON WITH:	9	SOLE DISPOSITIVE POWER -0-		
TERSON WITH.	10	SHARED DISPOSITIVE POWER 1,604,827		
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH PERSON 1,604,827			
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES			
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 3.40%			
14	TYPE OF REPORTING PERSON OO			

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1	NAME OF REPORT			
	Harbert Discovery Co-Investment Fund I, LP			
2	CHECK THE APPRO	$\triangle \Box$		
<u>Z</u>			(a) 🔲	
			(b) 🗆	
3	SEC USE ONLY			
3				
4	SOURCE OF FUNDS	3		
4	WC			
	CHECK DOV IE DIE	CLOSURE OF LEGAL PROCEEDING IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e)		
5	CHECK BOX IF DIS	CLOSURE OF LEGAL PROCEEDING IS REQUIRED FORSUANT TO THEMS 2(d) of 2(e)		
_	CITIZENCHID OP D	ACE OF ODC ANIZATION		
6	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware			
	Delaware			
	7	SOLE VOTING POWER		
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NUMBER OF	0	SHARED VOTING POWER		
SHARES BENEFICIALLY	8	3,462,392		
OWNED BY				
EACH	9	SOLE DISPOSITIVE POWER		
REPORTING PERSON WITH:		-0-		
TERSON WITH.	10	SHARED DISPOSITIVE POWER		
	10	3,462,392		
	ACCRECATE AMO	LINT DENIERICIALLY OWNED DV FACIL DED CON		
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH PERSON 3,462,392			
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES			
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)			
	7.33%			
1.4	TYPE OF REPORTING PERSON			
14	PN			

	1		
1	NAME OF REPORTING PERSON Harbert Discovery Co-Investment Fund I GP, LLC		
2	CHECK THE APPRO	OPRIATE BOX IF A MEMBER OF A GROUP	(a)
3	SEC USE ONLY		
4	SOURCE OF FUNDS AF		
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDING IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e)		
6	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware		
	7	SOLE VOTING POWER -0-	
NUMBER OF SHARES BENEFICIALLY	8	SHARED VOTING POWER 3,462,392	
OWNED BY EACH REPORTING PERSON WITH:	9	SOLE DISPOSITIVE POWER -0-	
TERSON WITH.	10	SHARED DISPOSITIVE POWER 3,462,392	
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH PERSON 3,462,392		
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES		
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 7.33%		
14	TYPE OF REPORTING PERSON OO		

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1	NAME OF REPORTING PERSON			
	Harbert Fund Advisors, Inc.			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP			
<u>Z</u>			(a) 🔲	
			(b) 🗆	
3	SEC USE ONLY			
3				
4	SOURCE OF FUNDS			
4	AF			
_	CHECK BOX IF DISC	CLOSURE OF LEGAL PROCEEDING IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e)		
5		2(a) 0. 2(d) 0. 2(d)		
	CITIZENSHIP OR PI	ACE OF ORGANIZATION		
6	Alabama			
		SOLE VOTING POWER		
	7	SOLE VOTING POWER -0-		
NUMBER OF		-0-		
NUMBER OF SHARES	8	SHARED VOTING POWER		
BENEFICIALLY		5,067,219		
OWNED BY EACH	0	SOLE DISPOSITIVE POWER		
REPORTING	9	-0-		
PERSON WITH:				
	10	SHARED DISPOSITIVE POWER		
		5,067,219		
11		UNT BENEFICIALLY OWNED BY EACH PERSON		
11	5,067,219			
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES			
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES			
12	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)			
13	10.73%	· ,		
	TVDE OF DEDODER	I/C DED COM		
14	TYPE OF REPORTIN	IG PERSUN		
	IA, CO			

1	NAME OF REPORTING PERSON			
	Harbert Management Corporation			
2	CHECK THE APPRO	PRIATE BOX IF A MEMBER OF A GROUP	(a) 🗆	
			(b) 🗆	
3	SEC USE ONLY			
4	SOURCE OF FUNDS AF	SOURCE OF FUNDS AF		
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDING IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e)			
6	CITIZENSHIP OR PLACE OF ORGANIZATION Alabama			
	7	SOLE VOTING POWER -0-		
NUMBER OF SHARES BENEFICIALLY	8	SHARED VOTING POWER 5,067,219		
OWNED BY EACH REPORTING PERSON WITH:	9	SOLE DISPOSITIVE POWER -0-		
PERSON WITH.	10	SHARED DISPOSITIVE POWER 5,067,219		
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH PERSON 5,067,219			
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES			
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 10.73%			
14	TYPE OF REPORTING PERSON CO			

T			1
1	NAME OF REPORTING PERSON Jack Bryant		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		
	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a)		
			(b) 🗆
3	SEC USE ONLY		
4	SOURCE OF FUNDS		
4	AF		
	CHECK DON IE DIG	CLOSURE OF LEGAL PROSEEDING IS REQUIRED NURSULANT TO ITEMS A(1)	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDING IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e)		
6	CITIZENSHIP OR PL	ACE OF ORGANIZATION	
U	United States	of America	
	_	SOLE VOTING POWER	
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NUMBER OF			
SHARES	8	SHARED VOTING POWER 5,067,219	
BENEFICIALLY OWNED BY		3,007,219	
EACH	9	SOLE DISPOSITIVE POWER	
REPORTING PERSON WITH:		-0-	
PERSON WITH:	10	SHARED DISPOSITIVE POWER	
	10	5,067,219	
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11	5,067,219	ON BENEFICIALLY OWNED BY EACH LENSON	
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES		
12	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)		
13	10.73%	S ALL ALLES D. I MOON IN MON (II)	
14	TYPE OF REPORTIN	NG PERSON	
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	NAME OF BEDORTS	INC DEDCOM	
1	NAME OF REPORTING PERSON Kenan Lucas		
2	CHECK THE APPRO	OPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗆
			(b) \square
3	SEC USE ONLY		· /
3			
4	SOURCE OF FUNDS		
•	AF		
5	CHECK BOX IF DIS	CLOSURE OF LEGAL PROCEEDING IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e)	П
3			
6	CITIZENSHIP OR PLACE OF ORGANIZATION		
Ů	United States	of America	
	7	SOLE VOTING POWER	
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NUMBER OF SHARES	8	SHARED VOTING POWER	
BENEFICIALLY	O	5,067,219	
OWNED BY EACH	9	SOLE DISPOSITIVE POWER	
REPORTING	9	-0-	
PERSON WITH:	10	SHARED DISPOSITIVE POWER	
	10	5,067,219	
	AGGREGATE AMO	UNT BENEFICIALLY OWNED BY EACH PERSON	
11	5,067,219	ON BENEFICIALE OWNED BY EACH LEADON	
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES		
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)		
13	10.73%		
1.4	TYPE OF REPORTING PERSON		
14	IN	10 I EROOM	

	T			
1	NAME OF REPORTING PERSON			
_	Raymond Harbert			
2	CHECK THE APPRO	PRIATE BOX IF A MEMBER OF A GROUP	(a) 🗆	
4			3 7	
			(b) 🗆	
3	SEC USE ONLY			
4	SOURCE OF FUNDS			
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_	CHECK BOX IE DIS	CLOSHIDE OF LEGAL DROCEEDING IS DECLIDED DIDSHANT TO ITEMS 2(4) or 2(5)		
5	CHECK BOX IF DIS	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDING IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e)		
(CITIZENSHIP OR PI	CITIZENSHIP OR PLACE OF ORGANIZATION		
6	United States of America			
	 	SOLE VOTING POWER		
	7	-0-		
NUMBER OF		SHARED VOTING POWER		
SHARES	8	5,067,219		
BENEFICIALLY OWNED BY				
EACH	9	SOLE DISPOSITIVE POWER -0-		
REPORTING PERSON WITH:		-U-		
	10	SHARED DISPOSITIVE POWER		
	10	5,067,219		
11	AGGREGATE AMO	UNT BENEFICIALLY OWNED BY EACH PERSON		
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12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES			
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES			
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)			
13	10.73%			
1.4	TYPE OF REPORTING PERSON			
14	IN			
1				

The following constitutes Amendment No. 2 to the Schedule 13D filed by the undersigned (the "Amendment No. 2"). This Amendment No. 2 amends the Schedule 13D as specifically set forth herein.

Item 3. SOURCE AND AMOUNT OF FUNDS OR OTHER CONSIDERATION

Item 3 of the Schedule 13D is hereby amended and restated in its entirety as follows:

The funds for the purchase of the Common Stock by the Funds came from the working capital of the Funds, over which HFA, HMC, the Fund GPs, Jack Bryant, Kenan Lucas and Raymond Harbert, through their roles described above in Item 2(c), exercise investment discretion. No borrowed funds were used to purchase the shares of Common Stock reported in this Schedule 13D, other than borrowed funds used for working capital purposes in the ordinary course of business. The total costs of the Common Stock directly owned by the Funds is approximately \$15,355,939.

Item 5. INTEREST IN SECURITIES OF THE ISSUER

Item 5(c) of the Schedule 13D is hereby amended and restated in its entirety as follows:

(c) The transactions in the shares of Common Stock effected since the filing of Amendment No. 1 to the Schedule 13D by the Reporting Persons, which were all in the open market, are set forth in <u>Annex A</u>, and are incorporated herein by reference.

SIGNATURES

After reasonable inquiry and to the best of his or its knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Date: May 20, 2019

Harbert Discovery Fund, LP

By: Harbert Discovery Fund GP, LLC,

its General Partner

By: Harbert Management Corporation,

its Managing Member

By: /s/ John McCullough

Executive Vice President and

General Counsel

Harbert Discovery Fund GP, LLC

By: Harbert Management Corporation,

its Managing Member

By: /s/ John McCullough

Executive Vice President and

General Counsel

Harbert Discovery Co-Investment Fund I, LP

By: Harbert Discovery Co-Investment

Fund I GP, LLC, its General Partner

By: Harbert Management Corporation,

its Managing Member

By: /s/ John McCullough

Executive Vice President and

General Counsel

Harbert Discovery Co-Investment Fund I GP, LLC

By: Harbert Management Corporation,

its Managing Member

By: /s/ John McCullough

Executive Vice President and

General Counsel

Harbert Fund Advisors, Inc.

By: /s/ John McCullough

Executive Vice President and

General Counsel

Harbert Management Corporation

By: /s/ John McCullough

Executive Vice President and

General Counsel

By: /s/ Jack Bryant

Jack Bryant

By: /s/ Kenan Lucas

Kenan Lucas

By: /s/ Raymond Harbert

Raymond Harbert

Annex A

This Annex sets forth information with respect to each purchase and sale (excluding brokerage commissions) of Common Stock which was effectuated by the Reporting Persons since the filing of Amendment No. 1 to the Schedule 13D. All transactions were effectuated in the open market through a broker.

Harbert Discovery Co-Investment Fund I, LP

Common Stock			
Trade Date	Purchased (Sold)	Price Per Share (\$)	
04/25/2019	25,000	3.5368	
04/25/2019	3,622	3.5000	
04/26/2019	7,886	3.3999	
04/26/2019	20,000	3.4620	
04/26/2019	50,000	3.4392	
04/29/2019	24,871	3.5231	
04/30/2019	31,112	3.4737	
04/30/2019	25,000	3.5094	
05/01/2019	12,800	3.4949	
05/02/2019	25,000	3.5448	
05/02/2019	11,122	3.4883	
05/03/2019	14,526	3.4924	
05/06/2019	12,973	3.5198	
05/07/2019	68,937	3.5483	
05/08/2019	6,200	3.5452	
05/09/2019	13,690	3.6290	
05/10/2019	5,190	3.6258	
05/13/2019	5,619	3.6345	
05/13/2019	27,000	3.6200	
05/13/2019	7,585	3.6183	
05/14/2019	10,594	3.6058	
05/14/2019	14,555	3.6340	
05/15/2019	22,009	3.6477	
05/16/2019	1,700	3.6500	
05/16/2019	333,346	3.6700	
05/17/2019	16,886	3.6653	
05/20/2019	400,000	3.7000	
05/20/2019	14,132	3.6141	