FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549	

<b>STATEMENT</b>	OF CHANG	SES IN BEI	NEFICIAL C	WNERSHIP

OMB AP	PROVAL
OMB Number:	3235-0287
Estimated averag	e burden
hours per respons	se· 0.5

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

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

Name and Address of Reporting Person*     VAN NOSTRAND ROBERT L				2. Issuer Name and Ticker or Trading Symbol YIELD10 BIOSCIENCE, INC. [ YTEN ]						(Che	ck all app	tor	ng Per	10% Ov	vner				
(Last)	(Fir	st) (N	/liddle)			3. Date of Earliest Transaction (Month/Day/Year) 03/28/2024							Office below	er (give title		Other (s below)	specify		
l		SCIENCE, INC.			4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)						6. Individual or Joint/Group Filing (Check Applicable							
19 PRES	PRESIDENTIAL WAY, SUITE 201												1 '	X Form filed by One Reporting Person					
(Street)	ın Ma	A 0	1801											Form Perso	filed by Mo on	re thai	n One Repo	orting	
-					Rul	Rule 10b5-1(c) Transaction Indication													
(City)	(Sta	ate) (Z	<u>Z</u> ip)		Check this box to indicate that a transacti satisfy the affirmative defense conditions									uction or writt	ten plar	n that is inter	nded to		
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
1. Title of Security (Instr. 3)  2. Transac Date (Month/Date)				h/Day/Year)   Exec		A. Deemed kecution Date, any lonth/Day/Year)				es Acquired (A) Of (D) (Instr. 3,			Benefic	ies cially Following	Form (D) o	: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership		
								Code	v	Amount	(A) (D)	or F	Price	Transa	nsaction(s) str. 3 and 4)			(Instr. 4)	
Common Stock			03/28/	2024				A		11,924	1	A	\$ <mark>0</mark>	48,635		]	<b>D</b> <sup>(1)</sup>		
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 Execution Date, (Month/Day/Year) (Month/Day/Year)  3. Deemed Execution Date, if any (Month/Day/Year)			on Date,		Transaction of Code (Instr. Derivative		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		S	. Price of derivative lecurity nstr. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transactio (Instr. 4)	Ownershi Form: Direct (D) or Indirec (I) (Instr. 4	Ownership Form:	Beneficial Ownership (Instr. 4)	
					Code V (A)		(A)	(D)	Date Expiratio		Expiration Date	Title	Amor or Numl of Share	ber					

## **Explanation of Responses:**

1. Shares were issued to the Reporting Person pursuant to the Issuer's Director Compensation Policy in lieu of \$4,531 of cash compensation for services rendered to the Issuer as a member of its Board of Directors and/or a committee thereof during the first quarter of 2024.

## Remarks:

/s/ Charles B. Haaser, attorney-in-Fact

04/01/2024

\*\* Signature of Reporting Person Date

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.