FORM 4

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

ngton, D.C. 20549		OMB APPROVAL

	OMB APPE	ROVAL		
STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP	OMB Number:	3235-0287		
On the ment of on the content of the	Estimated average burden			

hours per response:

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

1. Name and Address of Reporting Person*  VAN NOSTRAND ROBERT L					2. Issuer Name and Ticker or Trading Symbol YIELD10 BIOSCIENCE, INC. [ YTEN ]								ck all applica	able)	erson(s) to Iss	
(Last) C/O YIE	`	irst) SCIENCE, INC.	(Middle)		3. Date of Earliest Transaction (Month/Day/Year) 12/29/2017							Officer ( below)	give title	Other ( below)	specify	
19 PRESIDENTIAL WAY				4.	4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applicable				
(Street) WOBUR	kN M	[A	01801									Line)	Form fil	,	porting Personan One Repor	
(City)	(S	tate)	(Zip)													
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																
Date			Transaction ate Month/Day/	Execution Date,		3. Transaction Code (Instr. 8) 4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4) 5)				5. Amoun Securities Beneficia Owned Fo Reported	s Formally (D) of collowing (I) (II)	m: Direct or Indirect instr. 4)	7. Nature of Indirect Beneficial Ownership			
							Code V	Amoun	mount (A) or (D)		Price	Transaction (Instr. 3 and	on(s)		(Instr. 4)	
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	ise (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Yea	Code (Instr.		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)		of Ur De	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	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiratio Date			Amount or Number of Shares		(Instr. 4)		
Stock Option (right to buy)	\$1.77	12/29/2017		A		13,003 <sup>(1)</sup>		12/29/2017	12/29/202		ommon Stock	13,003	\$1.39	13,003	D	

## **Explanation of Responses:**

1. These options were issued to the Reporting Person pursuant to the Issuer's Director Compensation Policy in lieu of \$18,125 of cash compensation for services rendered to the Issuer as a member of its Board of Directors and/or a committee thereof during the fourth quarter of 2017.

/s/ Megan N. Gates, attorney-in-01/03/2018

fact

\*\* Signature of Reporting Person

Date

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

- $^{\star}$  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.