FORM 4

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

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-0287								
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).

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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						Issuer Name and Ticker or Trading Symbol     YIELD10 BIOSCIENCE, INC. [ YTEN ]      Date of Earliest Transaction (Month/Day/Year)								Relationship of Reporting Person(s) to Issuer (Check all applicable)     X Director 10% Owner     Officer (give title Other (specify))						
(Last)	(Fi	rst) (	(Middle)		12/3	12/31/2018									below)	(0		below)	poony	
C/O YIELD10 BIOSCIENCE, INC.						4. If Amendment, Date of Original Filed (Month/Day/Year)							<b>—</b>	6. Individual or Joint/Group Filing (Check Applicable						
19 PRESIDENTIAL WAY						T. II Amendment, Date of Original Fried (World/Day/Tear)								Line)						
(Street)	N M	Α (	01801											X Form filed by One Reporting Person  Form filed by More than One Reporting  Person						
(City)	(St	rate) (	Zip)																	
		Tab	le I - N	on-Deriv	ative S	Sec	urities	Acc	uired, D	Disp	osed o	f, or Be	neficia	illy	Owned	k				
1. Title of Security (Instr. 3)  2. Transacting Date (Month/Day/						Execution Date,			3. 4. Securities Acquired Disposed Of (D) (Instr. 8)						es ially	Forn (D) o Indir	n: Direct or livect (I)	7. Nature of Indirect Beneficial Ownership		
									Code	v	Amount	(A) or (D) Price			Reporte Transac (Instr. 3	ed ction(s)		tr. 4)	(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	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date,		4. Transaction Code (Instr.		5. Number n of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		of De Se	Price erivative ecurity estr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	Ownershi Form: Direct (D) or Indirec (I) (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr.	Beneficial Ownership	
					Code	v	(A)	(D)	Date Exercisabl		xpiration ate	Title	Amoun or Numbe of Shares							
Stock Option (right to buy)	\$0.83	12/31/2018			A		5,924 <sup>(1)</sup>		12/31/2018	3 1	2/31/2028	Common Stock	5,924		\$0.76	5,924		D		

## **Explanation of Responses:**

1. These options 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 fourth quarter of 2018.

/s/ Megan N. Gates, attorneyin-fact

01/03/2019

\*\* 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.