SEC Form 4 FORM 4	UNITED	O STAT	res s	ECURITIES	S AN	D E	XCHANG	SE CO	OMMIS	SION				
			Washingt	on, D.C	. 2054			OMB APPROVAL						
Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).	STAT		l pursuan	t to Section 16(a) c tion 30(h) of the Inv	of the Se	ecuritie	es Exchange A	Act of 193		IIP	Estima	Number: ated average burd per response:	3235-0287 en 0.5	
1. Name and Address of Reporting Person VAN NOSTRAND ROBER		2. Issuer Name and Ticker or Trading Symbol <u>YIELD10 BIOSCIENCE, INC.</u> [YTEN]							ationship of Re k all applicable Director Officer (give	, 10% Ow		Owner		
(Last) (First) C/O YIELD10 BIOSCIENCE, INC 19 PRESIDENTIAL WAY	VIELD10 BIOSCIENCE, INC.						Pay/Year)			below)	e uue	below)		
(Street) WOBURN MA	01801		4. If Amendment, Date of Original Filed (Month/Day/Year)							<ul> <li>dividual or Joint/Group Filing (Check Applicable)</li> <li>Form filed by One Reporting Person</li> <li>Form filed by More than One Reporting Person</li> </ul>				
(City) (State)	(Zip)													
Ta	ble I - Nor	n-Deriva	ative S	ecurities Acqu	uired,	Disp	oosed of, c	or Bene	eficially	Owned				
Date		2. Transa Date (Month/D		2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Disposed Of 5)					6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	Amount	(A) or (D)	Price	Transaction(s (Instr. 3 and 4			(	
				curities Acqui Is, warrants, d						)wned				

(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, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		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)		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	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		Transaction(s) (Instr. 4)		
Stock Option (right to buy)	\$5.86	05/28/2020		A		5,000 <sup>(1)</sup>		(2)	05/28/2030	Common Stock	5,000	\$0	5,000	D	

## Explanation of Responses:

1. These options were issued to the Reporting Person as the annual option grant to non-employee directors pursuant to the Issuer's Director Compensation Policy for services to be rendered to the Issuer as a member of its Board of Directors and/or a committee thereof.

2. These options will vest and become exercisable in equal quarterly installments over 4 years from 5/28/2020, beginning on 8/28/2020 and ending on 5/28/2024.

## /s/ Megan N. Gates, attorney-

in-fact

\*\* Signature of Reporting Person Date

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

 $\ast$  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.

## S

05/29/2020