SEC Form 4	
FORM 4	

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See

Instruction 1(b).

[ ]

Stock Option

(right to buy)

\$4.92

Explanation of Responses:

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL

l	OMB Number:	3235-0287
l	Estimated average burd	len
l	hours per response:	0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

					or Sec	tion 30(h)	or the	investmen	t Cor	npany Act	01 1940	0						
1. Name and Address of Reporting Person <sup>*</sup> VAN NOSTRAND ROBERT L				2. Issuer Name <b>and</b> Ticker or Trading Symbol <u>YIELD10 BIOSCIENCE, INC.</u> [YTEN]						(Ch	elationship o eck all applio X Directo	able)	g Pers	son(s) to Iss 10% Ov				
	LD10 BIO	SCIENCE, INC.	(Middle)		3. Date of Earliest Transaction (Month/Day/Year) 12/31/2021							(give title		Other (s below)				
19 PRESIDENTIAL WAY (Street) WOBURN MA 01801				4. If Amendment, Date of Original Filed (Month/Day/Year)					Line	X Form fi	led by One led by Mor	e Repo	) (Check App orting Person One Repor	า				
(City)	(S	tate)	(Zip)															
		Tab	le I - Nor	ו-Deriv	ative S	ecuritie	s Ac	quired,	Dis	posed c	of, or	Ben	eficial	ly Owned				
1. Title of Security (Instr. 3) 2. Transa Date (Month/E			action 2A. Deemed Execution Date if any (Month/Day/Yea			Code (Instr. 5)					Beneficia Owned F	es Form ally (D) of Following (I) (In		m: Direct cor Indirect E nstr. 4) C	7. Nature of Indirect Beneficial Ownership			
								Code	v	Amount	() (I	A) or D)	Price	Transaction(a)			(Instr. 4)	
		٢	Fable II -			curities IIs, warr		,					-	Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deeme Execution if any (Month/Day	Date,	I. Transactio Code (Instr 3)	ction of Expiration Date				Expiration Date Amount of (Month/Day/Year) Securities			8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)	s Ily	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirec Beneficial Ownershi (Instr. 4)	
												c	Amount or Jumber					

Date Exercisable

12/31/2021

Expiration Date

12/31/2031

Title

Common

Stock

1. These options were issued to the Reporting Person pursuant to the Issuer's Director Compensation Policy in lieu of \$4,531 Directors and/or a committee thereof during the fourth quarter of 2021.	l of cash compensation for services rendered	to the Issuer as a member of its Board of
	<u>/s/ Megan N. Gates, attorney-</u> in-fact	01/03/2022

(A)

976<sup>(1)</sup>

(D)

in-fact	<u>1 IN. G</u>	<u>ales, alloine</u>	<u>y-</u>	01/03/2022

976

D

of Shares

976

\$<mark>4.6</mark>4

\*\* 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).

12/31/2021

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Code v

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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.