FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

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

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)

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* HAASER CHARLES B (Last) (First) (Middle) C/O YIELD10 BIOSCIENCE, INC. 19 PRESIDENTIAL WAY				3. I 02	Issuer Name and Ticker or Trading Symbol YIELD10 BIOSCIENCE, INC. [YTEN] Date of Earliest Transaction (Month/Day/Year) 02/10/2022									(Che	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title Other (specify below) VP Fin and CAO				vner specify		
(Street) WOBUR (City)		tate)	01801 (Zip)	n-Deriv	-	4. If Amendment, Date of Original Filed (Month/Day/Year) tive Securities Acquired, Disposed of, or Benefi									Line	X Form filed by One Reporting Person Form filed by More than One Reporting Person					
1. Title of S	Security (Inst		1-1401	2. Trans				3. 4. Securities			ties Acquired (A) o			r 5. Amount of		of 6. Ownership		7. Nature of Indirect			
					(Month/Day/Year)		if any (Month/Day/Year		Code (Instr.					s, 4 and	Benefici	Beneficially Owned Following		r Indirect nstr. 4)	Beneficial Ownership (Instr. 4)		
										Code	v	Amount	(A (D) or)	Price	Transac (Instr. 3	tion(s)			(111311. 4)	
Common Stock C				02/1	0/202	/2022				A		5,6030	(1)	A	\$3.83	12	12,442		D		
Common Stock																5,0	5,004 ⁽²⁾		I	By 401(k) Plan	
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																					
Derivative Conversion Date Execution Date, Security or Exercise (Month/Day/Year) if any				4. Transa Code (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 Amou of Securities Underlying Derivative Securi (Instr. 3 and 4)		curity	8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficial Owned Following Reported Transaction (Instr. 4)	e S Illy	Ownership Form: Direct (D) or Indirect (I) (Instr. 4	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Dat Exc	ite ercisabl		xpiration ate	Title	OI N Of	umber						
Stock Option (right to buy)	\$3.83	02/10/2022			A		18,000			(3)	0.	2/10/2032	Commo Stock		8,000	\$0	18,00	0	D		

Explanation of Responses:

- 1. The securities awarded are in the form of restricted stock units ("RSUs"). Each RSU represents a contingent right to receive one share of the Issuer's common stock. The RSUs will vest as to 50% of the shares on 8/10/2022 and the remaining 50% on 2/10/2023.
- 2. Shares acquired as Issuer matching contributions under the Yield10 Bioscience, Inc. 401(k) Plan.
- $3. \ These options will vest and become exercisable in equal quarterly installments over 4 years from 2/10/2022, beginning on 5/10/2022 and ending on 2/10/2026.$

/s/ Megan N. Gates, attorneyin-fact

02/14/2022

** 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.