## FORM 4

obligations may continue. See Instruction 1(b).

Check this box if no longer subject to Section 16. Form 4 or Form 5

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB APPRO	VAL
OMB Number:	3235-0287
Estimated average burde	en
hours per response:	0.5

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.						Issuer Name and Ticker or Trading Symbol YIELD10 BIOSCIENCE, INC. [ YTEN ]      Date of Earliest Transaction (Month/Day/Year) 02/11/2020									check a	tionship of Reporting Person(s) to Issuer all applicable)  Director 10% Owner  Officer (give title Other (specify below) below)  VP Fin & Chief Accting Officer				owner (specify		
19 PRES (Street) WOBUR (City)		Α (	)1801 Zip)		4. If Amendment, Date of Original Filed (Month/Day/Year)  6. Individual or Joint/Group Filing (Check Appliance)  X Form filed by One Reporting Person  Form filed by More than One Report Person											on						
Table I - Non-Deriva  1. Title of Security (Instr. 3)  2. Transa Date (Month/L				action	ır) i	2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transa Code (	ction	4. Securities Acquired (A Disposed Of (D) (Instr. 3,				a) or 5		wned  Amount of Securities Beneficially Dwned Following		wnership m: Direct or Indirect Instr. 4)	7. Nature of Indirect Beneficial Ownership			
Common									Code	v	Amount 4,000	(D)		Price	(Instr.		ted action(s) 3 and 4)			(Instr. 4)		
Common				02/11	L/2020 				A		4,000		A	Ψ			40 <sup>(2)(3)</sup>		D By I 401(k) Plan			
		Та	able II - D								sed of, onvertib				y Owi	ned						
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	ersion Date Execution Date, if any (Month/Day/Year) of ative ity		Code (I	or short of the state of the st		6. Date E Expiratio (Month/D	•	Amount of Securities Underlying Derivative Security (Instr. and 4)  Amount of Management of Number of Security Instr.			nt er		9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)					

## **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 8/11/20 and the remaining 50% on  $2/11/21. \label{eq:shares}$
- 2. All share numbers reported reflect the 1-for-40 reverse stock split effected on January 15, 2020.
- 3. Shares acquired as Company matching contributions under the Yield10 Bioscience, Inc. 401(k) Plan.

/s/ Megan N. Gates, attorney-

02/13/2020

in-fact

\*\* 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.