Instruction 1(b).

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C. 20549	
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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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* SCHULER JACK W						2. Issuer Name and Ticker or Trading Symbol YIELD10 BIOSCIENCE, INC. [YTEN]									Relationship of Reporting Person(s) to Issuer (Check all applicable) Director X 10% Owner					
(Last) 100 NOI	(Fir	st) (N DRIVE, SUITE	Middle)			3. Date of Earliest Transaction (Month/Day/Year) 08/26/2020									Officer (give title Other (specify below) below)					
(Street) LAKE F (City)	OREST IL		0045 Zip)		4. If <i>i</i>	Amend	ment,	Date (of Original Filed (Month/Day/Year)						S. Individual or Joint/Group Filing (Check Applicable ine) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day)				Execu if any	eemed ution Date, th/Day/Year)		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)		4 and Securitie Benefici		es ally following	Form	nership : Direct · Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)				
									Code	v	Amount	(A) o (D)	r Pric	ce	Transact (Instr. 3	tion(s)				
Common	Stock			08/26/2	020				P ⁽¹⁾ 365,241 A \$4.25 793,635 ⁽²⁾					I	See footnote ⁽³⁾					
	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)	Conversion Date Execution Date, T or Exercise (Month/Day/Year) if any C			Transaction Code (Instr.		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		e Exerc ation D h/Day/	ate Amo Year) Sec Und Deri Sec		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		. Price of erivative ecurity nstr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		10. Ownersh Form: Direct (D or Indirec (I) (Instr.	Beneficial Ownership t (Instr. 4)			
					Code	v	(A)	(D)	Date Exerci	isable	Expiration Date	Title	Amou or Numb of Share	er						

Explanation of Responses:

- 1. The reported securities were acquired by the Jack W. Schuler Living Trust.
- 2. The reported securities consist of the 759,616 shares of common stock owned by the Jack W. Schuler Living Trust, the 21 shares of common stock owned by the Renate Schuler Living Trust, and the 33,998 shares of common stock owned by the Schuler Family Foundation, in each case immediately following reported transaction.
- 3. Jack W. Schuler has an indirect pecuniary interest the reported securities through (i) the Jack W. Schuler Living Trust, as its trustee and beneficiary, (ii) the Renate Schuler Living Trust, as the spouse of its trustee and beneficiary, and (iii) the Schuler Family Foundation, as its president.

/S/ Jack W. Schuler

08/28/2020

** 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.