

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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* <u>SCHULER JACK W</u> (Last) (First) (Middle) 100 N. FIELD DRIVE SUITE 360 (Street) LAKE FOREST IL 60045 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>YIELD10 BIOSCIENCE, INC. [YTEN]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>12/05/2022</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	
Rule 10b5-1(c) Transaction Indication <input type="checkbox"/> Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.		

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	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			
Common Stock	12/05/2022 ⁽¹⁾		S		7,000	D	\$2.06	701,858	I	By Jack W. Schuler Living Trust ⁽²⁾
Common Stock	12/06/2022 ⁽¹⁾		S		7,000	D	\$1.96	694,858	I	By Jack W. Schuler Living Trust ⁽²⁾
Common Stock	12/07/2022 ⁽¹⁾		S		3,504	D	\$1.91	691,354	I	By Jack W. Schuler Living Trust ⁽²⁾
Common Stock	12/08/2022 ⁽¹⁾		S		5,300	D	\$1.91	686,054	I	By Jack W. Schuler Living Trust ⁽²⁾
Common Stock	12/09/2022 ⁽¹⁾		S		10,152	D	\$1.88	675,902	I	By Jack W. Schuler Living Trust ⁽²⁾
Common Stock	12/12/2022 ⁽¹⁾		S		4,292	D	\$1.8	671,610	I	By Jack W. Schuler Living Trust ⁽²⁾
Common Stock	12/13/2022 ⁽¹⁾		S		7,000	D	\$1.75	664,610	I	By Jack W. Schuler Living Trust ⁽²⁾
Common Stock	12/14/2022 ⁽¹⁾		S		18,192	D	\$1.89	646,418	I	By Jack W. Schuler Living Trust ⁽²⁾

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	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			
Common Stock	12/15/2022 ⁽¹⁾		S		6,324	D	\$1.88	640,094	I	By Jack W. Schuler Living Trust ⁽²⁾
Common Stock	12/16/2022 ⁽¹⁾		S		7,000	D	\$1.82	633,094	I	By Jack W. Schuler Living Trust ⁽²⁾
Common Stock	12/19/2022 ⁽¹⁾		S		5,100	D	\$1.76	627,994	I	By Jack W. Schuler Living Trust ⁽²⁾
Common Stock	12/20/2022 ⁽¹⁾		S		608	D	\$1.78	627,386	I	By Jack W. Schuler Living Trust ⁽²⁾

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)	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 Transaction(s) (Instr. 4)	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					

Explanation of Responses:

- This late filing is due to an inadvertent administrative error.
- Jack W. Schuler is the sole trustee of the Jack W. Schuler Living Trust (the "Living Trust"), and in such capacity may be deemed to beneficially own the Common Stock held by the Living Trust.

/s/ Jack W. Schuler 05/09/2023

** 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.