

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL	
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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

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) 12/19/2017	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> 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/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	12/19/2017		P		1,906,744 ⁽¹⁾	A	\$2.26	3,270,481 ⁽²⁾	I	See footnote ⁽⁴⁾
Common Stock	03/14/2019		P		552,427 ⁽¹⁾	A	\$1.2101	3,822,908 ⁽³⁾	I	See footnote ⁽⁴⁾

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						Title
Common Stock Warrants	\$2.25	12/19/2017		P		1,906,744 ⁽⁵⁾		12/21/2017	12/21/2022	Common Stock	1,906,744	\$0.05	2,366,838 ⁽⁶⁾	I	See footnote ⁽⁷⁾

Explanation of Responses:

- The reported securities were acquired by the Jack W. Schuler Living Trust.
- The reported securities consist of the 2,285,721 shares of common stock owned by the Jack W. Schuler Living Trust, the 846 shares of common stock owned by the Renate Schuler Living Trust, and the 983,914 shares of common stock owned by the Schuler Family Foundation, in each case immediately following the 12/19/2017 acquisition of 1,906,744 shares of common stock by the Jack W. Schuler Living Trust.
- The reported securities consist of the 2,838,148 shares of common stock owned by the Jack W. Schuler Living Trust, the 846 shares of common stock owned by the Renate Schuler Living Trust, and the 983,914 shares of common stock owned by the Schuler Family Foundation, in each case immediately following the 3/14/2019 acquisition of 552,427 shares of common stock by the Jack W. Schuler Living Trust.
- Jack W. Schuler has an indirect pecuniary interest in 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.
- The reported warrants to acquire common stock were acquired by the Jack W. Schuler Living Trust.
- The reported warrants consist of the 2,217,002 warrants to acquire common stock owned by the Jack W. Schuler Living Trust and the 149,836 warrants to acquire common stock owned by the Schuler Family Foundation.
- Jack W. Schuler has an indirect pecuniary interest in the reported warrants to acquire common stock through (i) the Jack W. Schuler Living Trust, as its trustee and beneficiary and (ii) the Schuler Family Foundation, as its president.

/s/ Jack W. Schuler

06/05/2019

** 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.

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