

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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 NORTH FIELD DRIVE, SUITE 360 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>02/10/2020</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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	02/10/2020		p ⁽¹⁾		9,852	A	\$7.905	489,496 ⁽²⁾	I	See footnote ⁽³⁾
Common Stock	02/10/2020		s ⁽⁴⁾		28,256	D	\$7.8985 ⁽⁵⁾	471,093 ⁽⁶⁾	I	See footnote ⁽³⁾
Common Stock	02/11/2020		s ⁽⁷⁾		42,697	D	\$7.6873 ⁽⁸⁾	428,396 ⁽⁹⁾	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)	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:

- The reported securities were acquired by the Schuler Family Foundation.
- The reported securities consist of the 455,476 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 33,999 shares of common stock owned by the Schuler Family Foundation, in each case immediately following reported transaction.
- 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 securities were sold by the Jack W. Schuler Living Trust for tax purposes.
- This transaction was executed in multiple trades at prices ranging from \$7.655 to \$7.985 per share. The price reported above reflects the weighted average sale price. The reporting persons hereby undertake to provide upon request to the SEC staff, the issuer or a security holder of the issuer full information regarding the number of shares and prices at which the transaction was effected.
- The reported securities consist of the 437,072 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 33,999 shares of common stock owned by the Schuler Family Foundation, in each case immediately following reported transaction.
- The reported securities were sold by the Jack W. Schuler Living Trust for tax purposes. On the same date, each of the Tino Hans Schuler Trust, Tanya Eva Schuler Trust, and Therese Heidi Schuler Trust (collectively, the "Trusts"), which are separate trusts established for Mr. Schuler's three children, separately acquired 10,426 shares of common stock of the Issuer (the "Schuler Children Shares"). Mr. Schuler disclaims any beneficial ownership of the Schuler Children Shares and has no pecuniary interest in any of the Schuler Children Shares. As such, transactions by the Trusts are not subject to Section 16 by Mr. Schuler.
- This transaction was executed in multiple trades at prices ranging from \$7.50 to \$7.84 per share. The price reported above reflects the weighted average sale price. The reporting persons hereby undertake to provide upon request to the SEC staff, the issuer or a security holder of the issuer full information regarding the number of shares and prices at which the transaction was effected.
- The reported securities consist of the 394,375 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 33,999 shares of common stock owned by the Schuler Family Foundation, in each case immediately following reported transaction.

/S/ Jack W. Schuler

02/12/2020

** 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.