FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

9	OMB APPROVAL

OMB Number: 3235-0287 Estimated average burden

0.5

hours per response:

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>SHAULSON JOSEPH H</u>					2. Issuer Name and Ticker or Trading Symbol YIELD10 BIOSCIENCE, INC. [YTEN]					(Che	elationship o eck all applic C Directo	,	son(s) to Issu		
C/O YIELD10 BIOSCIENCE, INC.				3. Date of Earliest Transaction (Month/Day/Year) 06/29/2018						Officer below)	(give title	Other (s below)	pecify		
19 PRESIDENTIAL WAY				4.	4. If Amendment, Date of Original Filed (Month/Day/Year)						6. Individual or Joint/Group Filing (Check Applicable Line)				
(Street) WOBUR	N M	Ā	01801								2	_	led by One Rep led by More thai	Ü	
(City)	(Si	tate)	(Zip)												
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned														
Date			Transactio te onth/Day/\	Execution Date,		Code (Instr. 5)			5. Amour Securitie Beneficia Owned F Reported	s Forn Illy (D) o ollowing (I) (Ir	n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
					Code V Amount (A) or (D)					Price	Transacti (Instr. 3 a	on(s)		,	
	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)	Code (Instr.				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)	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	Amount or Number of Shares		(Instr. 4)		
Stock Option (right to buy)	\$1.41	06/29/2018		A		5,733 ⁽¹⁾		06/29/2018	06/29/2028	Common Stock	5,733	\$1.31	5,733	D	

Explanation of Responses:

1. These options were issued to the Reporting Person pursuant to the Issuer's Director Compensation Policy in lieu of \$7,500 of cash compensation for services rendered to the Issuer as a member of its Board of Directors and/or a committee thereof during the second quarter of 2018.

/s/ Megan N. Gates, attorneyin-fact

07/03/2018

** 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.