FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Vashington,	D.C. 20549
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STATEMENT OF CHANGES IN BENEFICIAL OWNE

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

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* Sinskey Anthony J					2. Issuer Name <b>and</b> Ticker or Trading Symbol YIELD10 BIOSCIENCE, INC. [ YTEN ]								Relationship of the contract o	able)	Person	n(s) to Issu		
(Last) (First) (Middle) C/O YIELD10 BIOSCIENCE, INC.					3. Date of Earliest Transaction (Month/Day/Year) 06/30/2020								Officer below)	Officer (give title below)		Other (s below)	pecify	
19 PRESIDENTIAL WAY				4	4. If Amendment, Date of Original Filed (Month/Day/Year)								Individual or Joint/Group Filing (Check Applicable Line)					
(Street) WOBUR	N M	Ā	01801								Form filed by One Reporting Person Form filed by More than One Reporting Person				- 1			
(City)	(S	tate)	(Zip)															
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																	
Date			. Transactio ate Month/Day/	Execution Date,		3. Transaction Code (Instr. 8)  4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4)				Beneficia Owned F	s ally ollowing	6. Owne Form: D (D) or In (I) (Instr.	Direct Indirect E	7. Nature of Indirect Beneficial Ownership				
								Code	v	Amount	(A) or (D)	Price	Transact	Reported Transaction(s) (Instr. 3 and 4)			(Instr. 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 Da if any (Month/Day/Y	Code	action (Instr.	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)		9	7. Title and Amount of Securities Underlying Derivative Sec (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s	ly O FG Di oi (I)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
				Code	v	(A)		Date Exercisable		Expiration Date	Title	Amount or Number of						
Stock Option (right to buy)	\$6.26	06/30/2020		A		1,254 <sup>(1)</sup>		06/30/202	0	06/30/2030	Common Stock	1,254	\$5.84	1,254		D		

## **Explanation of Responses:**

1. These options were issued to the Reporting Person pursuant to the Issuer's Director Compensation Policy in lieu of \$7,318 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 2020.

/s/ Megan N. Gates, attorney-

07/02/2020

in-fact

\*\* 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.