FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL								
OMB Number: 3235-02								
Estimated average burden								
hours por 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

Name and Address of Reporting Person* <u>Sinskey Anthony J</u>				2. Issuer Name and Ticker or Trading Symbol YIELD10 BIOSCIENCE, INC. [ YTEN ]								eck all applic	tionship of Reporting Perso all applicable) Director Officer (give title below)		10% Owner			
(Last) (First) (Middle) C/O YIELD10 BIOSCIENCE, INC.				3. Date of Earliest Transaction (Month/Day/Year) 09/30/2020								Other (s <sub>i</sub> below)			pecify			
19 PRESIDENTIAL WAY				4. If Amendment, Date of Original Filed (Month/Day/Year)							Individual or Joint/Group Filing (Check Applicable Line)							
(Street) WOBUR	N M	Α	01801											X Form f	iled by One iled by More		-	
(City)	(S	tate)	(Zip)															
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3)  2. Transa Date (Month/D			Execution Date,		3. Transaction Code (Instr. 8)  4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4) 5)			d (A) or r. 3, 4 and	Beneficia Owned F	es ally following	6. Owne Form: D (D) or Ir (I) (Instr	Direct II ndirect E r. 4) C	7. Nature of Indirect Beneficial Ownership					
							Code	v	Amount	(A) or (D)	Price	Reported Transact (Instr. 3 a	ion(s)			nstr. 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	Co	ansaction ode (Instr.		Derivative		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Securit (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)		Ownersh Form: Direct (D or Indire (I) (Instr.	Ownership Form:	Beneficial Ownership t (Instr. 4)	
						Date Exercisable		Expiration Date	Title	Amount or Number of Shares		(Instr. 4)	(3)					
Stock Option (right to buy)	\$7.77	09/30/2020		I	A		1,076 <sup>(1)</sup>		09/30/202	0 0	09/30/2030	Common Stock	1,076	\$7.26	1,076		D	

## **Explanation of Responses:**

1. These options were issued to the Reporting Person pursuant to the Issuer's Director Compensation Policy in lieu of \$7,813 of cash compensation for services rendered to the Issuer as amember of its Board of Directors and/or a committee thereof during the third quarter of 2020.

/s/ Megan N. Gates, attorney-

10/02/2020

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.