FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Vashington,	D.C. 20549
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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

Name and Address of Reporting Person* Sinskey Anthony J					2. Issuer Name and Ticker or Trading Symbol <u>YIELD10 BIOSCIENCE, INC.</u> [YTEN]									k all application	able)	Pers	on(s) to Issu	vner	
(Last) (First) (Middle) C/O YIELD10 BIOSCIENCE, INC.					3. Date of Earliest Transaction (Month/Day/Year) 09/30/2022									Officer (below)	(give title		Other (s below)	pecify	
19 PRESIDENTIAL WAY, SUITE 201					4. I	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street) WOBUR	N M	ΙA	01801											X	Form filed by One Reporting I Form filed by More than One Person				
(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					ear)	if any	recution Date,		3. Transaction Code (Instr. 8) 4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4) 5)				and Securities Benefici		s Formally (D) (of the collowing (I) (I)		: Direct Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	v	Amount	(A) o (D)	Pric	е	Transaction(s) (Instr. 3 and 4)				.msu. 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	C	ansaction ode (Instr.		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisa Expiration Date (Month/Day/Year		e Amount of		of s ng e Securi		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(ly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4	Beneficial Ownership (Instr. 4)
				Co	ode	v	(A)	(D)	Date Exercisal		Expiration Date	Title	Amou or Numb of Share	er		(Instr. 4)	/ii(3)		
Stock Option (right to buy)	\$2.99	09/30/2022			A		2,761 ⁽¹⁾		09/30/202	22	09/30/2032	Common Stock	2,76	1	\$2.83	2,761		D	

Explanation of Responses:

1. These options were granted 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 a member of its Board of Directors and/or a committee thereof during the third quarter of 2022.

Remarks:

Charles B. Haaser, attorney-in-

fact

** Signature of Reporting Person

Date

10/03/2022

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.