FORM 4

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

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average be	urden								
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).

## 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

Name and Address of Reporting Person*     Sinskey Anthony J					YIE	2. Issuer Name and Ticker or Trading Symbol YIELD10 BIOSCIENCE, INC. [YTEN]								Relationship of Reporting Person(s) to Issuer (Check all applicable)     X Director 10% Owner					
(Last)						3. Date of Earliest Transaction (Month/Day/Year) 05/23/2018									Officer ( below)	Officer (give title below)		Other (specify below)	
C/O YIELD10 BIOSCIENCE, INC. 19 PRESIDENTIAL WAY						4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line)     X Form filed by One Reporting Person					
(Street)	N M	Α (	01801											^		•		One Repo	
(City)	(St	ate) (	Zip)																
		Tab	le I - N	on-Deriv	ative S	Sec	urities /	<b>Acq</b>	uired, [	Disp	osed of	, or Be	nef	icially	Owned				
1. Title of Security (Instr. 3)  2. Transacti Date (Month/Day)					Execution Date,			3. Transaction Code (Instr. 8)  4. Securities Acqu Disposed Of (D) (I and 5)					5. Amour Securitie Beneficia Owned Followin	s		: Direct or r B ect (I) O	Nature f Indirect eneficial wnership nstr. 4)		
									Code	v	Amount	Amount (A) or (D)		Price	Reported Transact			. 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 Date, if any (Month/Day/Year)		4. Transact Code (In 8)				6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		str. 3	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)	Beneficial Ownership
					Code	v	(A)	(D)	Date Exercisal		Expiration Date	Title	or Nu of	umber		(Instr. 4)	on(s)		
Stock Option (right to buy)	\$1.65	05/23/2018			A		10,000 <sup>(1)</sup>		(2)		05/23/2028	Commo Stock	n 10	0,000	\$0	10,00	0	D	

## Explanation of Responses:

- 1. These options were issued to the Reporting Person as the annual option grant to non-employee directors pursuant to the Issuer's Director Compensation Policy for services to be rendered to the Issuer as a member of its Board of Directors and/or a committee thereof.
- $2. \ These options will vest and become exercisable in equal quarterly installments over 4 years from 5/23/18, beginning on 8/23/2018 and ending on 5/23/2022.$

/s/ Megan N. Gates, attorneyin-fact 05/25/2018

\*\* 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.