SEC For	rm 4 FORM	4	UNITEI) STA	TES	SE	ECUR	RITI	ES AND	E	хсни	ANGE	cc	омм	ISSION					
						ES SECURITIES AND EXCHANGE COMMISSI Washington, D.C. 20549											OMB APPROVAL			
Sectio obligat	this box if no long n 16. Form 4 of tions may conti ction 1(b).	STATEMENT OF CHANGES IN BENEFICIAL ON Filed pursuant to Section 16(a) of the Securities Exchange Act of or Section 30(h) of the Investment Company Act of 1940									of 193		SHIP	Estim	Estimated average burden		3235-0287 en 0.5			
1. Name and Address of Reporting Person [*] Brown Sherri M.					2. Issuer Name and Ticker or Trading Symbol <u>YIELD10 BIOSCIENCE, INC.</u> [YTEN]								(Ch	eck all appli X Directo	cable) or	10% Owner				
(Last)	ast) (First)			(Middle)		3. Date of Earliest Transaction (Month/Day/Year) 05/25/2023								Officer below)	(give title	ve title Other (spe below)				
C/O YIELD10 BIOSCIENCE 19 PRESIDENTIAL WAY, SUITE (Street)			201	4. If <i>i</i>	4. If Amendment, Date of				of Original Filed (Month/Day/Year)			Line	X Form filed by One Reporting Person Form filed by More than One Reporting				on			
WOBURN MA 01801														Person						
(City) (State) (Zip) Rule 10b5-1(c) Trans Check this box to indicate that a satisfy the affirmative defense control of the satisfy the satisfy the satisfy the affirmative defense control of the satisfy the sati						dicate that a tr	ansa	ction was	made pu	rsuant	to a con Instructi	tract, instruct on 10.	ion or writte	n plan	that is intend	ded to				
		Tab	le I - Noi	ו-Deriv	ative	Sec	curitie	s A	cquired, C	Disp	osed	of, or I	Bene	eficial	ly Owne	d				
1. Title of Security (Instr. 3)			2. Transa Date (Month/Da			Execution Date			e, Transaction Code (Instr.			. Securities Acquired (A bisposed Of (D) (Instr. 3)					6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership	
										v	Amoun	ıt (/	A) or D)	Price	Transaction(s) (Instr. 3 and 4)				(Instr. 4)	
		т							quired, Dis s, options						Owned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Execution Date, 1 if any 0			ransaction ode (Instr.		of Ex		Date Exercisable and cpiration Date lonth/Day/Year)		7. Title and Amo of Securities Underlying Derivative Secur (Instr. 3 and 4)		curity)	8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securitie: Beneficia Owned Following Reported Transacti (Instr. 4)	e s Illy J	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownershi (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisable	Ex Da	piration te	Title	or Nu of	nount Imber Iares						

Explanation of Responses:

\$<mark>2.8</mark>1

1. These options will vest and become exercisable in equal quarterly installments over 4 years from 5/25/2023, beginning on 8/25/2023 and ending on 5/25/2027.

A

2. These options were granted 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.

(1)

5,000

05/25/2033

Common

Stock

Remarks:

Stock Option (right to buy)

/s/ Charles B. Haaser, a	<u>attorney-</u>	05/20/2022
<u>in-Fact</u>		03/30/2023

\$<mark>0</mark>

5,000

D

** Signature of Reporting Person Date

5,000(2)

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).

05/25/2023

** 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.