

# **YIELD10 BIOSCIENCE, INC.**

Reported by  
**SINSKEY ANTHONY J**

## **FORM 4**

(Statement of Changes in Beneficial Ownership)

Filed 05/26/17 for the Period Ending 05/24/17

|             |  |
|-------------|--|
| Address     | 19 PRESIDENTIAL WAY<br>SUITE 201<br>WOBURN, MA 01801 |
| Telephone   | 617-583-1700   |
| CIK         | 0001121702   |
| Symbol      | YTEN   |
| SIC Code    | 3080 - Miscellaneous Plastics Products               |
| Industry    | Biotechnology & Medical Research                     |
| Sector      | Healthcare   |
| Fiscal Year | 12/31  |

# FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

OMB APPROVAL  
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[ ] 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 OF SECURITIES

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 *         |  | 2. Issuer Name and Ticker or Trading Symbol       |  | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)   |  |
| Sinskey Anthony J                                 |  | YIELD10 BIOSCIENCE, INC. [ YTEN ]                 |  | <input checked="" type="checkbox"/> Director<br><input type="checkbox"/> Officer (give title below)   |  |
| (Last) (First) (Middle)                           |  | 3. Date of Earliest Transaction (MM/DD/YYYY)      |  | <input type="checkbox"/> 10% Owner<br><input type="checkbox"/> Other (specify below)  |  |
| C/O YIELD10 BIOSCIENCE, INC., 19 PRESIDENTIAL WAY |  | 5/24/2017   |  |   |  |
| (Street)  |  | 4. If Amendment, Date Original Filed (MM/DD/YYYY) |  | 6. Individual or Joint/Group Filing (Check Applicable Line)   |  |
| WOBURN, MA 01801                                  |  |   |  | <input checked="" type="checkbox"/> Form filed by One Reporting Person<br><input type="checkbox"/> Form filed by More than One Reporting Person |  |
| (City) (State) (Zip)                              |  |   |  |   |  |

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of Security (Instr. 3) | 2. Trans. Date | 2A. Deemed Execution Date, if any | 3. Trans. Code (Instr. 8) |   | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |            |       | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|----------------|-----------------------------------|---------------------------|---|---|------------|-------|---|--|---|
|                                 |                |                                   | Code                      | V | Amount  | (A) or (D) | Price |   |  |   |
| Common Stock                    | 5/24/2017      |                                   | A                         |   | 28274 (1)   | A          | \$0   | 100664  | D  |   |

**Table II - Derivative Securities Beneficially Owned ( e.g. , puts, calls, warrants, options, convertible securities)**

| 1. Title of Derivate Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Trans. Date | 3A. Deemed Execution Date, if any | 4. Trans. Code (Instr. 8) |   | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |     | 6. Date Exercisable and Expiration Date |                 | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) |                            | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--|--|----------------|-----------------------------------|---------------------------|---|--|-----|---|-----------------|---|----------------------------|--|--|--|--|
|  |  |                |                                   | Code                      | V | (A)  | (D) | Date Exercisable                        | Expiration Date | Title   | Amount or Number of Shares |  |  |  |  |
| Stock Option (right to buy)              | \$0.42   | 5/24/2017      |                                   | A                         |   | 25000 (2)  |     | 5/24/2018                               | 5/24/2027       | Common Stock  | 25000                      | \$0  | 25000  | D  |  |

### Explanation of Responses:

- These shares were issued to the Reporting Person pursuant to the Issuer's Director Compensation Policy for services rendered to the Issuer as a member of its Board of Directors and/or a committee thereof during the first quarter of 2017.
- 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.

### Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |         |       |
|--|---------------|-----------|---------|-------|
|  | Director      | 10% Owner | Officer | Other |
| Sinskey Anthony J<br>C/O YIELD10 BIOSCIENCE, INC.<br>19 PRESIDENTIAL WAY<br>WOBURN, MA 01801 | X             |           |         |       |

### Signatures

/s/ Megan N. Gates, attorney-in-fact

5/26/2017

\*\*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.

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