

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549**

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported) May 18, 2023

YIELD10 BIOSCIENCE, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation)

001-33133

(Commission File Number)

04-3158289

(IRS Employer Identification No.)

19 Presidential Way, Woburn, Massachusetts

(Address of principal executive offices)

01801

(Zip Code)

Registrant's Telephone Number, Including Area Code: **(617) 583-1700**

N/A

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

| <u>Title of each class</u> | <u>Trading Symbol(s)</u> | <u>Name of each exchange on which registered</u> |
|--|--------------------------|--|
| Common stock, par value \$0.01 per share | YTEN | The Nasdaq Capital Market |

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 3.01 Notice of Delisting or Failure to Satisfy a Continued Listing Rule or Standard; Transfer of Listing

On May 18, 2023, Yield10 Bioscience, Inc. (the “Company”) received a deficiency letter (the “Letter”) from the Listing Qualifications Department (the “Staff”) of the Nasdaq Stock Market (“Nasdaq”) notifying the Company that it is not in compliance with the minimum stockholders’ equity requirement for continued listing on the Nasdaq Capital Market. Nasdaq Listing Rule 5550(b)(1) requires companies listed on the Nasdaq Capital Market to maintain stockholders’ equity of at least \$2,500,000 (the “Stockholders’ Equity Requirement”). The Company’s Quarterly Report on Form 10-Q for the quarter ended March 31, 2023, filed with the Securities and Exchange Commission on May 12, 2023, reported stockholders’ equity of \$1,143,000, which is below the Stockholders’ Equity Requirement for continued listing on the Nasdaq Capital Market. As of the date of this Current Report on Form 8-K, the Company does not have a market value of listed securities of \$35 million, or net income from continued operations of \$500,000 in the most recently completed fiscal year or in two of the last three most recently completed fiscal years, the alternative quantitative standards for continued listing on the Nasdaq Capital Market.

The Letter has no immediate effect on the Company’s continued listing on the Nasdaq Capital Market, subject to the Company’s compliance with the other continued listing requirements. In accordance with Nasdaq rules, the Company has been provided 45 calendar days, or until July 3, 2023, to submit a plan to regain compliance (the “Compliance Plan”). If the Compliance Plan is acceptable to the Staff, they may grant an extension of 180 calendar days from the date of the Staff notification to regain compliance with the Stockholders’ Equity Requirement.

If the Staff does not accept the Compliance Plan, the Staff will provide written notification to the Company that the Compliance Plan has been rejected. At that time, the Company may appeal the Staff’s determination to a Nasdaq Hearings Panel.

The Company intends to submit the Compliance Plan on or before July 3, 2023, monitor its stockholders’ equity and, if appropriate, consider further available options to regain compliance with the Stockholders’ Equity Requirement. There can be no assurance that the Company will be able to regain compliance with the Rule.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

YIELD10 BIOSCIENCE, INC.

May 19, 2023

By: /s/ Oliver P. Peoples
Oliver P. Peoples
President & Chief Executive Officer