

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, D.C. 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): January 10, 2022

Repare Therapeutics Inc.

(Exact Name of Registrant as Specified in Its Charter)

Québec
(State or Other Jurisdiction
of Incorporation)

001-39335
(Commission
File Number)

Not applicable
(I.R.S. Employer
Identification No.)

7210 Frederick-Banting, Suite 100
St-Laurent, Québec, Canada
(Address of Principal Executive Offices)

H4S 2A1
(Zip Code)

Registrant's Telephone Number, Including Area Code: (857) 412-7018

Not Applicable
(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:

Title of each class	Trading Symbol	Name of each exchange on which registered
Common shares, no par value	RPTX	The Nasdaq Stock Market LLC

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 2.02 Results of Operations and Financial Condition.

Repare Therapeutics Inc. (the “Company”) intends to share with investors the amount of cash, cash equivalents, restricted cash and marketable securities it had on hand as of December 31, 2021. Although the Company has not finalized its financial results for the twelve months ended December 31, 2021, the Company preliminarily estimates that its cash, cash equivalents, restricted cash and marketable securities as of December 31, 2021 was approximately \$341.7 million.

The information in this Item 2.02 is unaudited and preliminary, and does not present all information necessary for an understanding of the Company’s financial condition as of December 31, 2021 and its results of operations for the three months and year ended December 31, 2021. The audit of the Company’s financial statements for the year ended December 31, 2021 is ongoing. The Company’s actual consolidated cash, cash equivalents, restricted cash and marketable securities as of December 31, 2021 may differ from these estimates due to the completion of the Company’s year-end closing and auditing procedures.

The information in this Item 2.02 shall not be deemed to be “filed” for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), or otherwise subject to the liabilities of that section, nor shall such information be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as expressly set forth by specific reference in such a filing.

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.

REPARE THERAPEUTICS INC.

By: /s/ Lloyd M. Segal

Lloyd M. Segal

President and Chief Executive Officer

Dated: January 10, 2022