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

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**SCHEDULE 14A**  
**Proxy Statement Pursuant to Section 14(a) of the**  
**Securities Exchange Act of 1934**  
**(Amendment No. )**

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Filed by the Registrant ☒

Filed by a Party other than the Registrant ☐

Check the appropriate box:

- ☐ Preliminary Proxy Statement
- ☐ Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(c)(2))
- ☐ Definitive Proxy Statement
- ☒ Definitive Additional Materials
- ☐ Soliciting Material under §240.14a-12

**MINERALYS THERAPEUTICS, INC.**  
(Name of Registrant as Specified In Its Charter)

(Name of Person(s) Filing Proxy Statement, if other than the Registrant)

Payment of Filing Fee (Check the appropriate box):

- ☒ No fee required
  - ☐ Fee paid previously with preliminary materials
  - ☐ Fee computed on table in exhibit required by Item 25(b) per Exchange Act Rules 14a-6(i)(1) and 0-11
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# Your **Vote** Counts!

MINERALYS THERAPEUTICS, INC.

2025 Annual Meeting

Vote by May 21, 2025

11:59 PM ET

MINERALYS THERAPEUTICS, INC.  
150 N. RADNOR CHESTER ROAD  
SUITE F200  
RADNOR, PA 19087



V68015-P25468

## You invested in MINERALYS THERAPEUTICS, INC. and it's time to vote!

You have the right to vote on proposals being presented at the Annual Meeting. **This is an important notice regarding the availability of proxy materials for the stockholder meeting to be held on May 22, 2025.**

### Get informed before you vote

View the Notice and Proxy Statement and Annual Report online OR you can receive a free paper or email copy of the material(s) by requesting prior to May 8, 2025. If you would like to request a copy of the material(s) for this and/or future stockholder meetings, you may (1) visit [www.ProxyVote.com](http://www.ProxyVote.com), (2) call 1-800-579-1639 or (3) send an email to [sendmaterial@proxyvote.com](mailto:sendmaterial@proxyvote.com). If sending an email, please include your control number (indicated below) in the subject line. Unless requested, you will not otherwise receive a paper or email copy.



For complete information and to vote, visit **[www.ProxyVote.com](http://www.ProxyVote.com)**

Control #

#### Smartphone users

Point your camera here to  
view materials and vote  
without entering a control  
number



#### Vote Virtually at the Meeting\*

May 22, 2025  
12:00 PM ET

Virtually at:  
[www.virtualshareholdermeeting.com/MLYS2025](http://www.virtualshareholdermeeting.com/MLYS2025)

\*Please check the meeting materials for any special requirements for meeting attendance.

## THIS IS NOT A VOTABLE BALLOT

This is an overview of the more complete proxy materials that are available on the Internet or by mail. You may view the proxy materials online at [www.proxyvote.com](http://www.proxyvote.com) or easily request a paper copy (see reverse side). We encourage you to access and review all of the important information contained in the proxy materials before voting.

Voting Items	Board Recommend
1. Election of Class II directors for a three-year term to expire at the 2028 annual meeting of stockholders: <b>Nominees:</b>	
1a. Glenn P. Sblendorio	✓ For
1b. Derek DiRocco, Ph.D.	✓ For
2. Ratify the appointment of Ernst & Young LLP as Mineralys Therapeutics, Inc.'s independent registered public accounting firm for the fiscal year ending December 31, 2025.	✓ For
<b>NOTE:</b> In their discretion, the proxies are authorized to vote on any other business that may properly come before the meeting or any adjournment(s) thereof.	

Prefer to receive an email instead? While voting on [www.ProxyVote.com](http://www.ProxyVote.com), be sure to click "Delivery Settings".