
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13D

Under the Securities Exchange Act of 1934

(Amendment No. **005**)*

HUMACYTE, INC.

(Name of Issuer)

Common Stock, par value \$0.0001 per share

(Title of Class of Securities)

020751103

(CUSIP Number)

Robert A. Grauman
145 West 86 Street,
New York, NY, 10024
646 202-2932

Thomas D. Brouillard
Fresenius Medical Care Holdings, Inc., 920 Winter Street
Waltham, MA, 02451-1547
781 699 9000

Christof Koester
Fresenius Medical Care AG, Else-Kroner Strasse 1
Bad Homburg, 2M, 61352
011 49 6172 609 0

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

10/08/2025

(Date of Event Which Requires Filing of This Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§ 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

SCHEDULE 13D

CUSIP No. 020751103

1 Name of reporting person
Fresenius Medical Care AG
Check the appropriate box if a member of a Group (See Instructions)

2 (a)
 (b)

3 SEC use only
Source of funds (See Instructions)

4 AF
Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5
Citizenship or place of organization

6 GERMANY
Sole Voting Power

7 0.00
Number of Shares Beneficially Owned by Each Reporting Person With:
8 Shared Voting Power
18,312,735.00
9 Sole Dispositive Power
0.00
10 Shared Dispositive Power
18,312,735.00

11 Aggregate amount beneficially owned by each reporting person
18,312,735.00

12 Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

13
Percent of class represented by amount in Row (11)
9.9 %

14 Type of Reporting Person (See Instructions)
CO

SCHEDULE 13D

Item 1. Security and Issuer
Title of Class of Securities:

(a) Common Stock, par value \$0.0001 per share
Name of Issuer:

(b) HUMACYTE, INC.

(c) Address of Issuer's Principal Executive Offices:

Item 1 This Amendment No. 5 amends certain items of the Schedule 13D originally filed on September 2, 2021, as
Comment: previously amended by Amendment No. 1 filed on December 1, 2023, by Amendment No. 2 filed March 7, 2024, by Amendment No 3 filed on November 18, 2024 and by Amendment No. 4 filed May 22, 2025 (as so amended, the "Schedule 13D") by Fresenius Medical Care Holdings, Inc., a New York Corporation ("FMCH") and Fresenius Medical Care AG a German stock corporation ("FME AG") with respect to the common stock, par value \$0.0001 per share (the "Common Stock") of Humacyte, Inc., a Delaware corporation, formerly known as Alpha Healthcare Acquisition Corp. (the "Issuer" or "Humacyte"). This Amendment No. 5 is being filed solely by FME AG. Capitalized terms not otherwise defined herein have the meanings set forth in the Schedule 13D. Except as provided herein, this Amendment No. 5 does not modify any of the information previously reported on the Schedule 13D.

Item 2. Identity and Background

Item 2 of the Schedule 13D is hereby amended as set forth below: On October 1, 2025, FME AG announced the appointment of Joseph E. (Joe) Turk as a member of the Management Board, effective January 1, 2026. Mr. Turk will serve as Chief Executive Officer of the Care Enablement segment, succeeding Dr. Katarzyna Mazur-Hofsaess. Mr., Turk is a citizen of the United States.

Item 5. Interest in Securities of the Issuer

On the date of this Schedule 13D (Amendment No. 5), FMCH is the beneficial owner of 18,312,735 shares of the Issuer's Common Stock, constituting approximately 9.9% of the Issuer's outstanding voting shares (calculated with reference to 184,778,911 shares outstanding as of October 8, 2025, being the number of shares of the Issuer outstanding after giving effect to the offering made by the Issuer in its Prospectus Supplement dated October 6, 2025). All such 18,312,735 Shares are issued and outstanding and owned directly by FMCH. Such 18,312,735 shares of Common Stock exclude any additional contingent shares of Common Stock that may be issued pursuant to the terms of the Business Combination described in the initial Schedule 13D, and FME AG and FMCH disclaim any present beneficial ownership of any such additional shares.

As the record owner of the 18,312,735 shares of Common Stock reported in this Schedule 13D (Amendment No 5), FMCH possesses voting and dispositive power over such shares. FME AG is the indirect sole shareholder of FMCH and may be deemed to be a beneficial owner of such shares.

The decrease in the percentage beneficial ownership reported herein from 11.8%, as reported in Schedule 13D (Amendment No. 4) to 9.9%, as reported in this Schedule 13D (Amendment No. 5) results solely from an increase in the number of outstanding shares of the Issuer's Common Stock subsequent to the filing of Amendment No. 4 to this Schedule 13D. Neither FME AG nor FMCH has disposed of or acquired any shares of the Issuer's Common Stock subsequent to the filing of their initial Schedule 13D in September 2021.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Fresenius Medical Care AG

Signature: /s/ i.V. Philipp Bosch
i.V. Philipp Bosch, Senior Vice President, General
Name/Title: Counsel Global Medical Technology (Care
Enablement)

Date: 10/16/2025

Signature: /s/ Christof Koester
Christof Koester, Prokurist, Senior Vice President,
Name/Title: General Counsel--Corporate Governance

Date: 10/16/2025