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# SECURITIES AND EXCHANGE COMMISSION

## Washington, D.C. 20549

### SCHEDULE 13D

Under the Securities Exchange Act of 1934

**MAXCYTE, INC.**

(Name of Issuer)

**Equity**

(Title of Class of Securities)

(CUSIP Number)

**Matthew Hambly  
2 Savoy Court,  
London, X0, WC2R 0EZ  
02039088836**

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

**10/14/2026**

(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.**

Name of reporting person

1  
Liontrust Investment Partners LLP

Check the appropriate box if a member of a Group (See Instructions)

2  
☐ (a)  
☐ (b)

3  
SEC use only

|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| 4            | Source of funds (See Instructions)                                                   |
|              | OO                                                                                   |
| 5            | Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)  |
|              | <input type="checkbox"/>                                                             |
| 6            | Citizenship or place of organization                                                 |
|              | UNITED KINGDOM                                                                       |
|              | Sole Voting Power                                                                    |
| 7            |                                                                                      |
| Number of    | 5,194,322.00                                                                         |
| Shares       | Shared Voting Power                                                                  |
| Beneficially | 8                                                                                    |
| Owned by     | 0.00                                                                                 |
| Each         | Sole Dispositive Power                                                               |
| Reporting    | 9                                                                                    |
| Person       | 5,194,322.00                                                                         |
| With:        | Shared Dispositive Power                                                             |
|              | 10                                                                                   |
|              | 0.00                                                                                 |
|              | Aggregate amount beneficially owned by each reporting person                         |
| 11           | 5,194,322.00                                                                         |
|              | Check if the aggregate amount in Row (11) excludes certain shares (See Instructions) |
| 12           | <input type="checkbox"/>                                                             |
|              | Percent of class represented by amount in Row (11)                                   |
| 13           | 5.0 %                                                                                |
|              | Type of Reporting Person (See Instructions)                                          |
| 14           | IV                                                                                   |

## SCHEDULE 13D

|         |                                                                                                                          |
|---------|--------------------------------------------------------------------------------------------------------------------------|
| Item 1. | Security and Issuer                                                                                                      |
|         | Title of Class of Securities:                                                                                            |
| (a)     | Equity                                                                                                                   |
|         | Name of Issuer:                                                                                                          |
| (b)     | MAXCYTE, INC.                                                                                                            |
|         | Address of Issuer's Principal Executive Offices:                                                                         |
| (c)     | 9713 KEY WEST AVENUE,, SUITE 400, ROCKVILLE, MARYLAND , 20850.                                                           |
| Item 2. | Identity and Background                                                                                                  |
| (a)     | Liontrust Investment Partners LLP                                                                                        |
| (b)     | 2 Savoy Court, London WC2R 0EZ                                                                                           |
| (c)     | Investment Firm 2 Savoy Court, London WC2R 0EZ                                                                           |
| (d)     | No                                                                                                                       |
| (e)     | No                                                                                                                       |
| (f)     | United Kingdom                                                                                                           |
| Item 3. | Source and Amount of Funds or Other Consideration                                                                        |
|         | N/A                                                                                                                      |
| Item 4. | Purpose of Transaction                                                                                                   |
|         | (a) The acquisition by any person of additional securities of the issuer, or the disposition of securities of the issuer |
| Item 5. | Interest in Securities of the Issuer                                                                                     |

- (a) 5,194,322 5.0330%
- (b) 5,194,322 shares
- rade Date BUY/SELL Amount Price 01-Sep-2026 SELL -81,203.00 1.23950150 02-Sep-2026 SELL -63,958.00 1.25395358 03-Sep-2026 SELL -54,839.00 1.24421552 08-Sep-2026 SELL -41,034.00 1.26752510 09-Sep-2026
- (c) SELL -37,115.00 1.23726948 10-Sep-2026 SELL -29,095.00 1.19462212 11-Sep-2026 SELL -32,615.00 1.17414454 14-Sep-2026 SELL -74,036.00 1.14991057 07-Oct-2026 SELL -3,111.00 1.04626808 14-Oct-2026 BUY 138,139.00 1.26072563 14-Oct-2026 BUY 175,694.00 1.26072563 14-Oct-2026 BUY 43,113.00 1.26072563
- (d) N/A
- (e) N/A
- Item 6. Contracts, Arrangements, Understandings or Relationships With Respect to Securities of the Issuer  
N/A
- Item 7. Material to be Filed as Exhibits.  
N/A

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.

Liontrust Investment Partners LLP

Signature: Matthew Hambly

Name/Title: Compliance Manager

Date: 10/15/2026