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 Act of 1934

Date of Report (Date of earliest event reported): March 31, 2005

Commission File Number 0-50626

XCYTE THERAPIES, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of

91-1707622 (I.R.S. Employer

incorporation or organization)

Identification Number)

1124 Columbia Street, Suite 130

Seattle, Washington 98104

(Address of principal executive offices and zip code)

(206) 262-6200

(Registrant s telephone number, including area code)

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 (see General Instruction A.2. below):

- " 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))

Item 2.02 Results of Operations and Financial Condition

On March 31, 2005, Xcyte Therapies, Inc. issued a press release announcing financial results for its full-year and fourth quarter ended December 31, 2004. A copy of the press release is furnished herewith as Exhibit 99.1 and incorporated into this Form 8-K by reference.

Item 9.01 Financial Statements and Exhibits

(c) Exhibits

99.1 Press Release of Xcyte Therapies, Inc. dated March 31, 2005.

2

SIGNATURES

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

XCYTE THERAPIES, INC.

By: /s/ Kathi L. Cordova

Kathi L. Cordova Duly Authorized Officer of Registrant and

Principal Financial and Accounting Officer

Senior Vice President of Finance and Treasurer

Date: April 1, 2005

INDEX TO EXHIBITS

Exhibit	
Number	Description of Document
99.1	Press Release of Xcyte Therapies, Inc. dated March 31, 2005.