

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): April 2, 2007

Pipex Pharmaceuticals, Inc.

(Exact name of registrant as specified in charter)

Delaware
(State or other jurisdiction of incorporation)

01-12584
(Commission File Number)

13-3808303
(IRS Employer Identification No.)

3985 Research Park Drive
Ann Arbor, MI 48108

(Address of principal
executive offices and zip
code)

(734) 332-7800

(Registrant's telephone
number including area
code)

N/A

(Former Name and Former
Address)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of 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(b) under the Exchange Act (17 CFR 240.14a-12)
 - ☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14c)
 - ☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4)
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Item 2.02 – Results of Operations and Financial Condition.

On April 2, 2007, Pipex Pharmaceuticals, Inc., a Delaware corporation (the "Registrant"), issued the attached press release that included financial information for its fourth quarter and fiscal year ended December 31, 2006. A copy of the press release is attached as Exhibit 99.1 to this Report on Form 8-K. The information contained in the press release is being furnished to the Commission and shall not be deemed incorporated by reference into any of the Registrant's registration statements or other filings with the Commission.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

Exhibit 99.1 Press Release issued by Pipex Pharmaceuticals, Inc. dated April 2, 2007.

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.

Dated: April 2, 2007

Pipex Pharmaceuticals, Inc.
(Registrant)

By: /s/ Steve H. Kanzer
Name: Steve H. Kanzer
Title: Chief Executive Officer

EXHIBIT INDEX

Exhibit No.

Exhibits.

99.1

Press Release issued by Pipex Pharmaceuticals, Inc. dated April 2, 2007
