

MEDISTEM LABORATORIES, INC.

Form 8-K

March 15, 2007

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): March 15, 2007

Medistem Laboratories, Inc.

(Exact name of registrant as specified in its charter)

Nevada

(State or other jurisdiction of incorporation)

333-100137

(Commission File Number)

86-1047317

(IRS Employer Identification No.)

2027 E. Cedar St., Suite 102, Tempe, Arizona

(Address of principal executive offices)

85281

(Zip Code)

Registrant's telephone number, including area code: (954) 727-3662

Not applicable.

(Former name or former address, if changed since last report.)

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 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 15, 2007, Medistem Laboratories, Inc. (the Company) issued a press release announcing its financial results for the year ended December 31, 2006. The full text of the Company's press release is attached hereto as Exhibit 99.1.

The information in this Form 8-K, including the exhibits, shall not be deemed to be filed for purposes of the Securities Exchange Act of 1934, as amended (the Exchange Act), or otherwise subject to the liabilities thereof, nor shall it be deemed to be incorporated by reference in any filing under the Exchange Act or under the Securities Act of 1933, as amended, except to the extent specifically provided in any such filing.

Item 9.01. Financial Statements and Exhibits.

Exhibit No.

Description

99.1

Press Release regarding financial results, dated March 15, 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.

MEDISTEM LABORATORIES, INC.

Date: March 15, 2007

By: /s/ Neil H. Riordan

Name: Neil H. Riordan

Title: Chief Executive Officer and President