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): December 14, 2004 NANOGEN, INC. $(Exact\ name\ of\ registrant\ specified\ in\ its\ charter)$ **Delaware** 000-23541 33-0489621 (State or other jurisdiction (Commission File Number) (I.R.S. Employer of incorporation) **Identification No.)**

10398 Pacific Center Court, San Diego, California

(Address of principal executive offices)

92121 (Zip Code)

Registrant s telephone, including area code: (858) 410-4600

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(Former name and former address,	if changed since last report
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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):

- x 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))

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Item 7.01. Regulation FD Disclosure.

On December 14, 2004, Nanogen issued a press release announcing that it is continuing to seek votes or votes by proxy for its adjourned special stockholder meeting scheduled to reconvene on December 15, 2004 at 2 PM PST at its offices at 10398 Pacific Center Court, San Diego, California. The meeting is being held to vote on the issuance of shares of Nanogen common stock in connection with its proposed merger with Epoch Biosciences, Inc. and to amend the Nanogen certificate of incorporation allowing it to expand the number of authorized shares. A copy of the press release is furnished as Exhibit 99.1 to this report.

In accordance with General Instruction B.2 of Form 8-K, the information in Item 7.01 of this Current Report on Form 8-K, including Exhibit 99.1, shall not be deemed filed for the purposes of Section 18 of the Securities Exchange Act of 1934 or otherwise subject to the liability of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933.

Item 9.01. Financial Statements and Exhibits.

- (c) Exhibits. The following documents are filed as exhibits to this report:
 - 99.1 Press Release of Nanogen, Inc., dated December 14, 2004.

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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.

NANOGEN, INC.

Date: December 14, 2004 By: /s/ Nicholas J. Venuto

Name: Nicholas J. Venuto Title: Senior Director, Finance

EXHIBIT INDEX

Exhibit

Number	Document Description
99.1	Press Release of Nanogen, Inc., dated December 14, 2004.