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

 $Date\ of\ Report\ (Date\ of\ earliest\ event\ reported)\ December\ 9,2004$

INVITROGEN CORPORATION

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction 0-25317 (Commission File Number) 33-0373077 (IRS Employer

of incorporation)

Identification No.)

1600 Faraday Avenue, Carlsbad, CA (Address of principal executive offices)

92008 (Zip Code)

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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:

- 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))

Item 8.01 Other Events.

On December 9, 2004, Invitrogen Corporation (the *Company*) issued a press release announcing it has completed its exchange offer with respect to the Company s 2.0% Convertible Senior Notes due 2023 and the Company s 1.5% Convertible Senior Notes due 2024. The press release is attached hereto as Exhibit 99.1.

Section 9 - Financial Statements and Exhibits

Item 9.01 Financial Statements and Exhibits.

- (a) Not applicable.
- (b) Not applicable.
- (c) Exhibits.

Exhibit No.	Description
99.1	December 9, 2004 Press Release by Invitrogen Corporation

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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.

Invitrogen Corporation (Registrant)

Date December 9, 2004

/s/ John A. Cottingham

John A. Cottingham Senior Vice President, General Counsel and Secretary