LUCIER GREGORY T

Form 4

November 16, 2004

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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Expires:

January 31, 2005

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See Instruction

if no longer

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * LUCIER GREGORY T

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

(First)

(Street)

INVITROGEN CORP [IVGN]

3. Date of Earliest Transaction (Month/Day/Year)

11/12/2004

_X__ Director 10% Owner X_ Officer (give title Other (specify

(Check all applicable)

below)

1600 FARADAY AVENUE

4. If Amendment, Date Original

Filed(Month/Day/Year)

(Instr. 8)

6. Individual or Joint/Group Filing(Check

President & CEO

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

(I)

(Instr. 4)

Person

CARLSBAD, CA 92008

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

Owned

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

(Middle)

Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D)

5. Amount of Securities Beneficially

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial

Ownership

(Instr. 4)

Following Reported Transaction(s)

(Instr. 3, 4 and 5)

(Instr. 3 and 4) Code V Amount (D) Price

(A)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security

Conversion or Exercise

3. Transaction Date 3A. Deemed

(Month/Day/Year) Execution Date, if any

4. 5. Number of **Transaction**Derivative Securities Code

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amour **Underlying Securit** (Instr. 3 and 4)

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr. 8)	Acquired (or Dispose (D) (Instr. 3, 4 and 5)	ed of				
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amo or Num of Sh
Non-Qualified Stock Option (right to buy)	\$ 62.51	11/12/2004		A	35,000		<u>(1)</u>	11/12/2014	Common Stock	35,0
Restricted Share Units	\$ 0	11/12/2004		A	6,600		(2)	(3)	Common Stock	6,6

Reporting Owners

Reporting Owner Name / Address	Relationships						
.r. g	Director	10% Owner	Officer	Other			
LUCIER GREGORY T 1600 FARADAY AVENUE CARLSBAD, CA 92008	X		President & CEO				

Signatures

By: John A. Cottingham For: Gregory T.
Lucier 11/16/2004

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Option vesting is over a 4 year period, vesting 25% on each anniversary of the November 12, 2004 grant date, contingent upon continued service to Invitrogen.
- (2) The restricted share units vest 100% on the third anniversary of the November 12, 2004 date of grant.
- (3) Restricted share units can be converted into shares of Invitrogen common stock on the applicable vesting date.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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