#### **INVITROGEN CORP**

Form 4

August 06, 2007

### FORM 4

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

OMB 3235-0287

Check this box if no longer subject to

Number: January 31, Expires: 2005

**OMB APPROVAL** 

Section 16. Form 4 or Form 5 obligations

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES** 

Estimated average burden hours per

may continue. See Instruction

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

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1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * LUCIER GREGORY T			2. Issuer Name <b>and</b> Ticker or Trading Symbol INVITROGEN CORP [IVGN]	5. Relationship of Reporting Person(s) to Issuer  (Check all applicable)		
(Last)	(Last) (First) (Middle)		3. Date of Earliest Transaction	(2)		
1600 FARADAY AVENUE		JE	(Month/Day/Year) 08/02/2007	_X_ Director 10% Owner _X_ Officer (give title Other (specify below)  Chairman & CEO		
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
CARLSBAD,	CA 92084		Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Tabl	le I - No	on-D	erivative S	Securi	ties Acqu	ired, Disposed of	, or Beneficial	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transa Code (Instr.	8)	4. Securit on(A) or Di (Instr. 3, 4)	sposed	of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	08/02/2007	08/02/2007	S	V	20,600	D (2)	\$ 78	654,400	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V	600	D (2)	\$ 78.01	653,800	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V	300	D (2)	\$ 78.02	653,500	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V	7,500	D (2)	\$ 78.03	646,000	I	See Footnote

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										<u>(1)</u>
Common Stock	08/02/2007	08/02/2007	S	V 3	300	D (2)	\$ 78.04	645,700	I	See Footnote
Common Stock	08/02/2007	08/02/2007	S	V 1	1,400	D (2)	\$ 78.05	644,300	I	See Footnote
Common Stock	08/02/2007	08/02/2007	S	V 8	300	D (2)	\$ 78.06	643,500	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V 4	1,000	D (2)	\$ 78.07	639,500	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V 6	500	D (2)	\$ 78.08	638,900	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V 6	500	D (2)	\$ 78.09	638,300	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V 2	200	D (2)	\$ 78.1	638,100	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V 6	500	D (2)	\$ 78.11	637,500	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V 3	300	D (2)	\$ 78.12	637,200	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V 3	300	D (2)	\$ 78.13	636,900	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V 4	114	D (2)	\$ 78.14	636,486	I	See Footnote
Common Stock	08/02/2007	08/02/2007	S	V 1	100	D (2)	\$ 78.15	636,386	I	See Footnote
Common Stock	08/02/2007	08/02/2007	S	V 5	500	D (2)	\$ 78.16	635,886	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V 8	36	D (2)	\$ 78.17	635,800	I	See Footnote (1)

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Common Stock	08/02/2007	08/02/2007	S	V	1,700	D (2)	\$ 78.2	634,100	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V	100	D (2)	\$ 78.21	634,000	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V	300	D (2)	\$ 78.23	633,700	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V	1,400	D (2)	\$ 78.24	632,300	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V	1,400	D (2)	\$ 78.32	630,900	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V	100	D (2)	\$ 78.37	630,800	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V	100	D (2)	\$ 78.38	630,700	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V	2,100	D (2)	\$ 78.45	628,600	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V	1,200	D (2)	\$ 78.46	627,400	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V	1,200	D (2)	\$ 78.47	626,200	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V	300	D (2)	\$ 78.48	625,900	I	See Footnote (1)
Common Stock	08/02/2007	08/02/2007	S	V	600	D (2)	\$ 78.49	625,300	I	See Footnote (1)

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

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SEC 1474 (9-02)

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

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	TransactionDerivative		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Ame Underlying Sect (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Ar Nu Sh
Non_Qualified Stock Option	\$ 38.01	08/01/2007	08/01/2007	M V	50,000	05/30/2004	05/30/2013	Common Stock (3)	62

### **Reporting Owners**

Reporting Owner Name / Address		Relationships						
• 0	Director	10% Owner	Officer	Other				
LUCIER GREGORY T								
1600 FARADAY AVENUE	X		Chairman & CEO					
CARLSBAD, CA 92084								

## **Signatures**

/s/ Joseph W. Secondine, Jr. POA 08/06/2007

\*\*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) Shares held in the Greg. T. & Marilen Lucier Revocable Living Trust.
- (2) Shares sold pursuant to a 10B5-1 trading plan.
- (3) Grant # GL0001.

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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