

INVITROGEN CORP
 Form 4/A
 December 04, 2007

FORM 4

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

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
THOMPSON JOHN D

(Last) (First) (Middle)
 1600 FARADAY AVENUE
 (Street)

CARLSBAD, CA 92008

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
INVITROGEN CORP [IVGN]

3. Date of Earliest Transaction
 (Month/Day/Year)
07/10/2007

4. If Amendment, Date Original Filed(Month/Day/Year)
09/07/2007

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)
SVP, Corporate Development

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 ___ Form filed by More than One Reporting Person

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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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 Ownership (Instr. 4)
				(A) or (D)	Amount (D) Price		
Common Stock	09/05/2007	09/05/2007	S	(D)	27,813 (1) \$ 80 6,617	D	

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)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Security (Instr. 3 and 4)				
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Incentive Stock Option	\$ 45.64	09/05/2007	09/05/2007	M	V	625	(2)	02/28/2003	02/28/2012	Common Stock	625
Non-Qualified Stock Option	\$ 45.64	09/05/2007	09/05/2007	M	V	1,875	(3)	11/30/2003	02/28/2012	Common Stock	1,875
Non-Qualified Stock Option	\$ 34.51	09/05/2007	09/05/2007	M	V	25,313	(4)	09/06/2006	09/06/2012	Common Stock	25,313

Reporting Owners

Reporting Owner Name / Address

Relationships

THOMPSON JOHN D
1600 FARADAY AVENUE
CARLSBAD, CA 92008

Director 10% Owner Officer Other

SVP, Corporate Development

Signatures

/s/ Joseph W. Secondine,
Jr. POA

09/07/2007

__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 sold pursuant to a 10b5-1 trading plan.
- (2) Exercised and sold from grant # 4412.
- (3) Exercised and sold from grant # 4413.
- (4) Exercised and sold from grant # 5060.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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