INVITROGEN CORP

Form 4

September 06, 2007

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

OMB APPROVAL OMB

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Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES** Form 4 or

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations may continue.

Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940 See Instruction 1(b).

(Print or Type Responses)

(Last)

(City)

1. Name and Address of Reporting Person * **COTTINGHAM JOHN A**

(First)

(Street)

(State)

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

1600 FARADAY AVENUE

(Middle)

INVITROGEN CORP [IVGN]

3. Date of Earliest Transaction

(Month/Day/Year) 09/05/2007

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

(Check all applicable)

below) SVP, Gen Counsel & Secretary

(Zip)

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

Person Demirative Counities Assumed Disposed of an Demoficially Or

CARLSBAD, CA 92008

(City)	(State)	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)	Transaction(A) or I			.*		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)
			Code	V	Amount	(D)	Price	(msu. 3 and 4)		
Common Stock	09/05/2007	09/05/2007	M	V	10,700	A	\$ 34.51	13,194	D	
Common Stock	09/05/2007	09/05/2007	M	V	800	A	\$ 45.64	2,494	D	
Common Stock	09/05/2007	09/05/2007	S	V	11,500 (1)	D	\$ 80	1,694	D	

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

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number.

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

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 onDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amo Underlying Secur (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	An or Nu of S
Non-Qualified Stock Option	\$ 34.51	09/05/2007	09/05/2007	M V	10,700 (2)	02/28/2003	02/28/2012	Common Stock	10
Non-Qualified Stock Option	\$ 45.64	09/05/2007	09/05/2007	M V	800 (3)	09/06/2006	06/29/2012	Common Stock	37

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

COTTINGHAM JOHN A 1600 FARADAY AVENUE CARLSBAD, CA 92008

SVP, Gen Counsel & Secretary

Signatures

/s/ Joseph W. Secondine Jr. POA

09/06/2007

**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 sold pursuant to a 10b5-1 trading plan.
- (2) Shares exercised and sold from option grant #5061.
- (3) Shares exercised and sold from option grant #4411.

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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