

INVITROGEN CORP  
Form 4  
February 12, 2008

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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 \*  
SHORT JAY M PHD

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

3. Date of Earliest Transaction (Month/Day/Year)  
02/08/2008

Director  10% Owner  
 Officer (give title below)  Other (specify below)

CARLSBAD, CA 92084

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

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

(City) (State) (Zip)

**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)
			Code	V Amount (A) or (D) Price			
Common Stock	02/08/2008	02/08/2008	M	V 5,000 A \$ 12	8,500	D	
Common Stock	02/08/2008	02/08/2008	M	V 5,000 A \$ 57.88	13,500	D	
Common Stock	02/08/2008	02/08/2008	M	V 5,000 A \$ 66.62	18,500	D	
Common Stock	02/08/2008	02/08/2008	M	V 5,000 A \$ 35.12	23,500	D	
Common Stock	02/08/2008	02/08/2008	M	V 5,000 A \$ 30.08	28,500	D	
	02/08/2008	02/08/2008	M	V 2,846 A	31,346	D	

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Common Stock							\$ 72.36		
Common Stock	02/08/2008	02/08/2008	S	V	13,800	D	\$ 88.12	17,546	D
Common Stock	02/08/2008	02/08/2008	J	V	<u>14,046</u> (7)	D	\$ 0	3,500	D

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

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

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(9-02)

**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 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)	Amount or Number of Shares	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Non-Qualified Stock Option	\$ 12	02/08/2008	02/08/2008	M	V 5,000 (1)	04/23/1999 01/16/2000	Common Stock	5,000	
Non-Qualified Stock Option	\$ 57.88	02/08/2008	02/08/2008	M	V 5,000 (2)	04/27/2001 04/27/2010	Common Stock	5,000	
Non-Qualified Stock Option	\$ 66.62	02/08/2008	02/08/2008	M	V 5,000 (3)	04/27/2002 04/27/2011	Common Stock	5,000	
Non-Qualified Stock Option	\$ 35.12	02/08/2008	02/08/2008	M	V 5,000 (4)	05/23/2003 05/24/2012	Common Stock	5,000	
Non-Qualified Stock Option	\$ 30.08	02/08/2008	02/08/2008	M	V 5,000 (5)	04/24/2004 04/24/2013	Common Stock	5,000	
Non-Qualified Stock Option	\$ 72.36	02/08/2008	02/08/2008	M	V 2,846 (6)	04/30/2005 04/30/2014	Common Stock	2,846	

## Reporting Owners

Reporting Owner Name / Address

**Relationships**

Director 10% Owner Officer Other

SHORT JAY M PHD  
1600 FARADAY AVENUE X  
CARLSBAD, CA 92084

## Signatures

/s/ Joseph W. Seondine, 02/11/2008  
Jr., POA

\_\_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 exercised from option grant # 218.
- (2) Shares exercised from option grant # 000749.
- (3) Shares exercised from option grant # 003675.
- (4) Shares exercised from option grant # 004936.
- (5) Shares exercised from option grant # 006111.
- (6) Shares exercised from option grant # 007525.
- (7) Shares transferred to former spouse per marital settlement agreement.

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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