

INVITROGEN CORP  
Form 4  
February 29, 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 \*  
**GIBSON KAREN**

(Last) (First) (Middle)  
**5791 VAN ALLEN WAY**  
  
(Street)

**CARLSBAD, CA 92084**

(City) (State) (Zip)

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

3. Date of Earliest Transaction (Month/Day/Year)  
**02/27/2008**

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

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)	Price				
Common Stock	02/27/2008	02/27/2008	M	V	4,500	A	\$ 64.51	14,690	D
Common Stock	02/27/2008	02/27/2008	M	V	9,750	A	\$ 62.51	24,440	D
Common Stock	02/27/2008	02/27/2008	S	V	14,250	D	\$ 87	10,190	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 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
Non-Qualified Stock Option	\$ 64.51	02/27/2008	02/27/2008	M V	4,500 <sub>(1)</sub>	11/14/2007 11/14/2015	Common Stock	4,500
Non-Qualified Stock Option	\$ 62.51	02/27/2008	02/27/2008	M V	9,750 <sub>(2)</sub>	11/12/2007 11/12/2014	Common Stock	9,750

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
GIBSON KAREN 5791 VAN ALLEN WAY CARLSBAD, CA 92084			Chief Information Officer	

## Signatures

/s/ Joseph W. Secondine, Jr. 02/29/2008

\*\*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 and sold from option grant #100402.
- (2) Shares exercised and sold from option grant #011182.

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.