

COTTINGHAM JOHN A  
Form 4  
November 18, 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 \*  
COTTINGHAM JOHN A

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)  
5791 VAN ALLEN WAY

3. Date of Earliest Transaction (Month/Day/Year)  
11/14/2008

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
SVP, Gen Counsel & Secretary

(Street)  
CARLSBAD, CA 92008

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 Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
|                                 |                                      |  |                                | (A) or (D) Price  |   |  |   |
| Common Stock                    | 11/14/2008                           | 11/14/2008   | M                              | V 3,000 A \$ 0  | 11,356  | D  |   |
| Common Stock <sup>(1)</sup>     | 11/14/2008                           | 11/14/2008   | F                              | V 1,073 D \$ 25.05  | 10,283  | 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.**

SEC 1474 (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) |                  |                 |              |                            |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|------------------|-----------------|--------------|----------------------------|
|  |  |                                      |  | Code                           | V   | (A)  | (D)   | Date Exercisable | Expiration Date | Title        | Amount or Number of Shares |
| Restricted Stock Unit <u>(2)</u>           | \$ 0   | 11/14/2008                           | 11/14/2008   | M                              | V   | 3,000  |   | 11/14/2008       | 11/14/2015      | Common Stock | 3,000                      |
| Restricted Stock Unit <u>(3)</u>           | \$ 0   | 03/14/2008                           | 03/14/2008   | A                              | V   | 3,152  |   | 03/14/2009       | 03/14/2018      | Common Stock | 3,152                      |

## Reporting Owners

| Reporting Owner Name / Address                                | Relationships |           |                              |       |
|---|---------------|-----------|------------------------------|-------|
|   | Director      | 10% Owner | Officer                      | Other |
| COTTINGHAM JOHN A<br>5791 VAN ALLEN WAY<br>CARLSBAD, CA 92008 |               |           | SVP, Gen Counsel & Secretary |       |

## Signatures

/s/ Joseph W. Secondine, Jr. 11/18/2008

\_\_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) This sale is being conducted to cover the sales price and tax liability resulting from the vesting of a restricted stock award.
- (2) Shares exercised and sold from option grant #RS1009.
- (3) Grant # RS2171, values are post-split.

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.