

INVITROGEN CORP  
Form 4  
May 17, 2007

**FORM 4**

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

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

## OMB APPROVAL

OMB  
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2005  
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burden hours per  
response... 0.5

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**BENCHIMOL CLAUDE**

(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)  
05/15/2007

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

5. Relationship of Reporting Person(s) to  
Issuer

(Check all applicable)

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

SVP - R&amp;D

6. Individual or Joint/Group Filing(Check  
Applicable Line)  
\_\_\_\_X\_\_\_\_ 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<br>(Instr. 3)   | 2. Transaction Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 3. Transaction<br>Code<br>(Instr. 8) | 4. Securities Acquired<br>(A) or Disposed of (D)<br>(Instr. 3, 4 and 5) | 5. Amount of<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 3 and 4) | 6. Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I)<br>(Instr. 4) | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|--------------------------------------|---|---|--------------------------------------|---|--|---|---|
|                                      |   |   | Code                                 | V   | Amount   | (A)<br>or<br>(D)  | Price   |
| Non-Qualified<br>Stock Option<br>(1) | 05/15/2007                              |   | A                                    |   | 24,000   | A   | \$<br>71.74   |
| 24,000                               |   |   |                                      |   |  | D   |   |
| Restricted<br>Stock Unit (2)         | 05/15/2007                              |   | A                                    |   | 2,650  | A   | \$<br>71.74   |
| 2,650                                |   |   |                                      |   |  | D   |   |
| Performance<br>Shares (3)            | 05/15/2007                              |   | A                                    |   | 2,650  | A   | \$<br>71.74   |
| 2,650                                |   |   |                                      |   |  | 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**

SEC 1474  
(9-02)

**displays a currently valid OMB control number.**

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

| 1. Title of<br>Derivative<br>Security<br>(Instr. 3) | 2. Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 4. Transaction<br>Code<br>(Instr. 8) | 5. Number<br>of<br>Derivative<br>Securities<br>Acquired<br>(A) or<br>Disposed<br>of (D)<br>(Instr. 3,<br>4, and 5) | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) | 7. Title and<br>Amount of<br>Underlying<br>Securities<br>(Instr. 3 and 4) | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Number<br>of<br>Derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction<br>(Instr. 10) |
|---|--|---|---|--------------------------------------|--|--|---|---|---|
|   |  |   |   | Code                                 | V (A) (D)  | Date<br>Exercisable  | Expiration<br>Date  | Title   | Amount<br>or<br>Number<br>of<br>Shares  |

## Reporting Owners

| Reporting Owner Name / Address                                | Relationships |           |           |       |
|---|---------------|-----------|-----------|-------|
|   | Director      | 10% Owner | Officer   | Other |
| BENCHIMOL CLAUDE<br>1600 FARADAY AVENUE<br>CARLSBAD, CA 92008 |               |           | SVP - R&D |       |

## Signatures

/s/ Joseph W. Secondine, Jr.  
(POA) 05/17/2007

\*\*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) Non-Qualified Stock Options: Exercisable Date - Option vesting is over a four year period, vesting 25% on each anniversary of the grant date, contingent upon continued service to Invitrogen.
- Restricted Share Units: Exercisable Date - Options are exercisable upon vesting after a three year period contingent upon continued service to the company. Expiration Date - Once vested, Restricted Share Units do not expire. They can be converted into shares of Invitrogen stock on the vest date.
- (3) Performance Shares: Exercisable Date - Shares are exercisable based on a target stock price. Expiration Date - Unvested Performance Shares expire on November 30, 2008.

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.