

BENCHIMOL CLAUDE
Form 4
November 15, 2004

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 *
BENCHIMOL CLAUDE

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)
11/12/2004

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
SVP R&D (CTO)

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 Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| | | | | Code V Amount (D) Price | | | |
| Common Stock | 10/31/2004 | | J | V 263 A \$ 44.608 | 25,853 | 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)

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| 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) | 8. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|
| Non-Qualified Stock Option (right to buy) | \$ 62.51 | 11/12/2004 | | A | 13,000 | (1) 11/12/2014 | Common Stock | 13,000 |
| Restricted Share Units | \$ 0 | 11/12/2004 | | A | 1,900 | (2) (3) | Common Stock | 1,900 |

Reporting Owners

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

Signatures

By: John A. Cottingham For: Claude D. Benchimol 11/15/2004

__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) Option vesting is over a 4 year period, vesting 25% on each anniversary of the November 12, 2004 grant date, contingent upon continued service to Invitrogen.
- (2) The restricted share units vest 100% on the third anniversary of the November 12, 2004 date of grant.
- (3) Restricted share units can be converted into shares of Invitrogen common stock on the applicable vesting date.

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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