INVITROGEN CORP

Form 4 April 23, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

Check this box if no longer

subject to Section 16. Form 4 or

Form 5 obligations

may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

REYNOLDS W ANN

(Last)

(First) (Middle)

1600 FARADAY AVENUE

(Street)

2. Issuer Name and Ticker or Trading

Symbol

INVITROGEN CORP [IVGN]

3. Date of Earliest Transaction

(Month/Day/Year) 04/19/2007

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

OMB

Number:

Expires:

response...

Estimated average

burden hours per

OMB APPROVAL

3235-0287

January 31,

2005

0.5

Issuer

(Check all applicable)

X_ Director 10% Owner Officer (give title Other (specify

below)

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

CARLSBAD, CA 92008 (City) (State)

1.Title of 2. Transaction Date 2A. Deemed

Security (Instr. 3)

(Month/Day/Year) Execution Date, if

(Zip)

(Month/Day/Year)

4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8)

(Instr. 3, 4 and 5)

Code V Amount (D) Price

(A)

Transaction(s) or (Instr. 3 and 4)

5. Amount of Securities Beneficially

Owned Following Reported

(Instr. 4)

6. Ownership

Form: Direct

(D) or Indirect Beneficial Ownership (Instr. 4)

SEC 1474

(9-02)

Indirect

7. Nature of

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.

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

1. Title of Derivative Conversion Security or Exercise (Instr. 3) Price of

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if (Month/Day/Year)

5. Number 4. Transaction of Derivative Expiration Date Code Securities

Acquired

(Instr. 8)

6. Date Exercisable and (Month/Day/Year)

7. Title and Amount of 8. Pr **Underlying Securities** (Instr. 3 and 4)

Deri Secu (Inst

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Derivative (A) or Security Disposed of (D) (Instr. 3, 4, and 5)

Code V (A) (D) Date Expiration Title Amount Exercisable Date or

Number of Shares

Restricted

Share \$ 0 04/19/2007 A 2,614 (1) (2) Common Stock 2,614

Units

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

REYNOLDS W ANN 1600 FARADAY AVENUE X CARLSBAD, CA 92008

Signatures

W. Ann

Reynolds 04/23/2007

**Signature of Person

**Bignature of Person

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) Vests the earlier of one year from grant date or next annual meeting of stockholders.
- Once vested, restricted share units do not expire. They can be converted into shares of Invitrogen common stock upon the termination of service.

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.

Reporting Owners 2