INVITROGEN CORP

Form 4

February 28, 2005

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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obligations

may continue.

Check this box

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 See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * SHORT JAY M PHD

2. Issuer Name and Ticker or Trading Symbol

INVITROGEN CORP [IVGN]

5. Relationship of Reporting Person(s) to

Issuer

(Middle)

(Check all applicable)

1600 FARADAY AVENUE

3. Date of Earliest Transaction

(Month/Day/Year) 02/24/2005

Filed(Month/Day/Year)

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

6. Individual or Joint/Group Filing(Check

below)

(Street)

(First)

4. If Amendment, Date Original

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

CARLSBAD, CA 92008

(State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

(City)

2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

Following Reported

or

(A)

Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

(Month/Day/Year)

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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)

Conversion or Exercise Price of

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

Execution Date, if (Month/Day/Year)

5. Number 4 Transaction of Derivative Code Securities (Instr. 8) Acquired

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

7. Title and Amour Underlying Securit (Instr. 3 and 4)

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	Derivative Security			(A) or Disposed of (D) (Instr. 3, 4, and 5)				
			Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo or Num of Share
Non-Qualified Stock Option (right to buy)	\$ 0.8357	02/24/2005	S	5,100	11/03/2000	11/03/2005	Common Stock	5,1
Non-Qualified Stock Option (right to buy)	\$ 0.8357	02/24/2005	S	558	11/03/2000	11/03/2005	Common Stock	55
Non-Qualified Stock Option (right to buy)	\$ 0.8357	02/24/2005	S	487	11/03/2000	11/03/2005	Common Stock	48
Non-Qualified Stock Option (right to buy)	\$ 0.8357	02/24/2005	S	400	11/03/2000	11/03/2005	Common Stock	40
Non-Qualified Stock Option (right to buy)	\$ 0.8357	02/24/2005	S	1,000	11/03/2000	11/03/2005	Common Stock	1,0
Non-Qualified Stock Option (right to buy)	\$ 0.8357	02/24/2005	S	2,455	11/03/2000	11/03/2005	Common Stock	2,4

Reporting Owners

Reporting Owner Name / Address	Relationships					
1 8	Director	10% Owner	Officer	Other		
SHORT JAY M PHD 1600 FARADAY AVENUE CARLSBAD, CA 92008	X					

Signatures

By: John A. Cottingham For: Jay M.Short

**Signature of Reporting Person Date

_Signature of Reporting 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). Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

02/28/2005

Reporting Owners 2

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