FOSTER STUART L Form 4

May 16, 2005 FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

January 31, Expires: 2005

Form 4 or Form 5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per 0.5 response...

obligations may continue. See Instruction

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 * FOSTER STUART L

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to

Symbol

EDWARDS LIFESCIENCES CORP

(Check all applicable)

[EW]

(Last)

(Middle)

3. Date of Earliest Transaction

Director 10% Owner Other (specify

Corp VP, Technology/Discovery

(Month/Day/Year) 05/12/2005

X_ Officer (give title below)

C/O EDWARDS LIFESCIENCES CORPORATION, ONE EDWARDS WAY

(First)

(Street)

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

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

Issuer

IRVINE, CA 92614

(City) (State)

(Zip)

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

1.Title of Security (Instr. 3)

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

(Month/Day/Year)

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

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

5. Amount of Securities Beneficially Owned Following Reported

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

(A)

Transaction(s) (Instr. 3 and 4)

Code V

Price Amount (D)

D

Common Stock

05/12/2005

6,850 Α (1)

\$0 9,268 (2)

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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)

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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 6. Date Exercisable and Expiration Date Securities (Month/Day/Year) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)			7. Title and A Underlying S (Instr. 3 and	Securition
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Sha
Employee Stock Option (Right to Acquire)	\$ 45.9	05/12/2005		A	56,000	05/12/2006(3)	05/11/2012	Common Stock	56,0

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

FOSTER STUART L C/O EDWARDS LIFESCIENCES CORPORATION ONE EDWARDS WAY IRVINE, CA 92614

Corp VP, Technology/Discovery

Signatures

Jay P. Wertheim, Attorney-in-fact 05/13/2005

**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) Reflects unvested restricted stock units granted on May 12, 2005.
- (2) This amount includes quarterly acquisitions of shares under the Edwards Lifesciences Corporation Employee Stock Purchase Plan as reflected on the most recent report of the plan administrator.
- This option was granted on May 12, 2005 under the Edwards Lifesciences Corporation Long-Term Stock Incentive Compensation Program and becomes exercisable commencing one year after the grant date in four equal annual installments.
- (4) This Form 4 reflects changes in beneficial ownership only; it does not identify other securities of the Issuer beneficially owned by the reporting person.

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.

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