

MUSSALLEM MICHAEL A  
 Form 4  
 July 05, 2005

**FORM 4**

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

OMB APPROVAL

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**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 \*  
 MUSSALLEM MICHAEL A

2. Issuer Name and Ticker or Trading Symbol  
 EDWARDS LIFESCIENCES CORP  
 [EW]

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)  
 Director  10% Owner  
 Officer (give title below)  Other (specify below)  
 Chairman of the Board & CEO

(Last) (First) (Middle)  
 C/O EDWARDS LIFESCIENCES CORPORATION, ONE EDWARDS WAY

3. Date of Earliest Transaction (Month/Day/Year)  
 07/01/2005

(Street)  
 IRVINE, CA 92614

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 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 Indirect Beneficial Ownership (Instr. 4)
Common Stock <sup>(1)</sup>					32,407	I	By 401(k) <sup>(1)</sup>
Common Stock	07/01/2005		M <sup>(2)</sup>	9,000 A \$ 13.875	74,681 <sup>(3)</sup>	D	
Common Stock	07/01/2005		S <sup>(2)</sup>	3,000 D \$ 42.71	71,681 <sup>(3)</sup>	D	
Common Stock	07/01/2005		S <sup>(2)</sup>	1,300 D \$ 42.72	70,381 <sup>(3)</sup>	D	
	07/01/2005		S <sup>(2)</sup>	300 D \$ 42.86	70,081 <sup>(3)</sup>	D	

Common  
Stock

Common Stock 07/01/2005 S<sup>(2)</sup> 300 D \$ 42.96 69,781 <sup>(3)</sup> D

Common Stock 07/01/2005 S<sup>(2)</sup> 4,100 D \$ 43.02 65,681 <sup>(3)</sup> 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.**

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**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)	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 Securities (Instr. 3 and 4)		
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares
				Code	V (A) (D)				
Employee Stock Option (Right to Acquire)	\$ 13.875	07/01/2005		M <sup>(2)</sup>	9,000	04/03/2002 04/03/2010		Common Stock	9,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MUSSALLEM MICHAEL A C/O EDWARDS LIFESCIENCES CORPORATION ONE EDWARDS WAY IRVINE, CA 92614	X		Chairman of the Board & CEO	

## Signatures

/s/ Jay P. Wertheim, Attorney-in-fact 07/05/2005

