

EDWARDS LIFESCIENCES CORP
 Form 4
 September 05, 2006

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

 (Last) (First) (Middle)

C/O EDWARDS LIFESCIENCES CORPORATION, ONE EDWARDS WAY

 (Street)

IRVINE, CA 92614

 (City) (State) (Zip)

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

3. Date of Earliest Transaction (Month/Day/Year)
09/01/2006

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

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 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

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 Indirect Ownership (Instr. 4)
			Code	V Amount (A) or (D) Price			
Common Stock	09/01/2006		M ⁽¹⁾	14,000 A \$ 10.1955	106,622 ⁽²⁾	D	
Common Stock	09/01/2006		S ⁽¹⁾	200 D \$ 46.09	106,422 ⁽²⁾	D	
Common Stock	09/01/2006		S ⁽¹⁾	400 D \$ 46.1	106,022 ⁽²⁾	D	
Common Stock	09/01/2006		S ⁽¹⁾	500 D \$ 46.11	105,522 ⁽²⁾	D	
	09/01/2006		S ⁽¹⁾	2,400 D \$ 46.15	103,122 ⁽²⁾	D	

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Common Stock							
Common Stock	09/01/2006	<u>S(1)</u>	100	D	\$ 46.17	103,022 <u>(2)</u>	D
Common Stock	09/01/2006	<u>S(1)</u>	700	D	\$ 46.18	102,322 <u>(2)</u>	D
Common Stock	09/01/2006	<u>S(1)</u>	100	D	\$ 46.19	102,222 <u>(2)</u>	D
Common Stock	09/01/2006	<u>S(1)</u>	1,300	D	\$ 46.2	100,922 <u>(2)</u>	D
Common Stock	09/01/2006	<u>S(1)</u>	100	D	\$ 46.21	100,822 <u>(2)</u>	D
Common Stock	09/01/2006	<u>S(1)</u>	500	D	\$ 46.22	100,322 <u>(2)</u>	D
Common Stock	09/01/2006	<u>S(1)</u>	100	D	\$ 46.24	100,222 <u>(2)</u>	D
Common Stock	09/01/2006	<u>S(1)</u>	300	D	\$ 46.25	99,922 <u>(2)</u>	D
Common Stock	09/01/2006	<u>S(1)</u>	300	D	\$ 46.31	99,622 <u>(2)</u>	D
Common Stock	09/01/2006	<u>S(1)</u>	800	D	\$ 46.35	98,822 <u>(2)</u>	D
Common Stock	09/01/2006	<u>S(1)</u>	100	D	\$ 46.36	98,722 <u>(2)</u>	D
Common Stock	09/01/2006	<u>S(1)</u>	100	D	\$ 46.37	98,622 <u>(2)</u>	D
Common Stock	09/01/2006	<u>S(1)</u>	100	D	\$ 46.4	98,522 <u>(2)</u>	D
Common Stock	09/01/2006	<u>S(1)</u>	200	D	\$ 46.43	98,322 <u>(2)</u>	D
Common Stock	09/01/2006	<u>S(1)</u>	900	D	\$ 46.45	97,422 <u>(2)</u>	D
Common Stock	09/01/2006	<u>S(1)</u>	100	D	\$ 46.47	97,322 <u>(2)</u>	D
Common Stock	09/01/2006	<u>S(1)</u>	200	D	\$ 46.49	97,122 <u>(2)</u>	D
Common Stock	09/01/2006	<u>S(1)</u>	1,600	D	\$ 46.5	95,522 <u>(2)</u>	D
Common Stock	09/01/2006	<u>S(1)</u>	2,000	D	\$ 46.52	93,522 <u>(2)</u>	D
	09/01/2006	<u>S(1)</u>	100	D	\$ 46.55	93,422 <u>(2)</u>	D

Common Stock								
Common Stock	09/01/2006	S ⁽¹⁾	200	D	\$ 46.56	93,222 ⁽²⁾	D	
Common Stock	09/01/2006	S ⁽¹⁾	100	D	\$ 46.66	93,122 ⁽²⁾	D	
Common Stock	09/01/2006	S ⁽¹⁾	500	D	\$ 46.69	92,622 ⁽²⁾	D	
Common Stock						32,383	I	By 401(k) ⁽³⁾

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

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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)	Amount or Number of Share
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title
Employee Stock Option (Right to Acquire)	\$ 10.1955	09/01/2006		M ⁽¹⁾	14,000	11/18/2000 11/18/2007	Common Stock	14,000

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

09/05/2006

__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) The transactions reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on February 16, 2006.
- (2) This Form 4 reflects changes in beneficial ownership only; it does not identify other securities of the Issuer beneficially owned by the reporting person.
- (3) Shares represented on the most recent statement of the 401(k) Plan Administrator where a unitized accounting procedure is utilized to convert the equities to share equivalents.

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