

COTTINGHAM JOHN A  
Form 4  
December 17, 2009

**FORM 4**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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 \*  
COTTINGHAM JOHN A

2. Issuer Name and Ticker or Trading Symbol  
Life Technologies Corp [LIFE]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
5791 VAN ALLEN WAY  
  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
12/15/2009

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
SVP, Chief Legal Officer

CARLSBAD, CA 92008

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 (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 Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock <u>(1)</u>	12/15/2009	12/15/2009	M		10,126	A	\$ 35.34
Common Stock <u>(2)</u>	12/15/2009	12/15/2009	M		10,000	A	\$ 22.82
Common Stock <u>(3)</u>	12/15/2009	12/15/2009	M		39,874	A	\$ 35.34
Common Stock <u>(4)</u>	12/15/2009	12/15/2009	S		10,126	D	\$ 52
Common Stock <u>(5)</u>	12/15/2009	12/15/2009	S		10,000	D	\$ 52

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Common Stock <sup>(6)</sup> 12/15/2009 12/15/2009 S 39,874 D \$ 52 18,140 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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(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)	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)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Options <sup>(1)</sup>	\$ 35.34	12/15/2009	12/15/2009	M	10,126	01/04/2002 01/04/2011	Common Stock	10,126	
Stock Options <sup>(2)</sup>	\$ 22.82	12/15/2009	12/15/2009	M	10,000	02/28/2003 02/28/2012	Common Stock	10,000	
Stock Options <sup>(3)</sup>	\$ 35.34	12/15/2009	12/15/2009	M	39,874	01/04/2002 01/04/2011	Common Stock	39,874	

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
COTTINGHAM JOHN A 5791 VAN ALLEN WAY CARLSBAD, CA 92008			SVP, Chief Legal Officer	

## Signatures

/s/ David Szekeres, POA 12/17/2009

\*\*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) Options exercised from Grant #2400
- (2) Options exercised from Grant #4411
- (3) Options exercised from Grant #2401
- (4) Options sold from Grant #2400 due to a 10b5-1 trading plan
- (5) Options sold from Grant #4411 due to a 10b5-1 trading plan
- (6) Options sold from Grant #2401 due to a 10b5-1 trading plan

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

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