

O'Donnell Mark Sean  
 Form 4  
 March 16, 2010

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

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 \*  
 O'Donnell Mark Sean

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

CARLSBAD, CA 92008

(City) (State) (Zip)

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

3. Date of Earliest Transaction  
 (Month/Day/Year)  
 03/12/2010

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)  
 SVP, Global Ops & Services

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 Ownership (Instr. 4)
				(A) or (D)	Price		
Common Stock <u>(1)</u>	03/12/2010	03/12/2010	M	5,436 A	\$ 24.69 14,410	D	
Common Stock <u>(2)</u>	03/12/2010	03/12/2010	M	5,436 A	\$ 24.69 19,846	D	
Common Stock <u>(3)</u>	03/12/2010	03/12/2010	M	19,135 A	\$ 39.81 38,981	D	
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	19 D	\$ 52.54 38,962	D	
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	81 D	\$ 52.55 38,881	D	

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Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	300	D	\$ 52.56	38,581	D
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	400	D	\$ 52.57	38,181	D
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	200	D	\$ 52.58	37,981	D
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	200	D	\$ 52.59	37,781	D
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	800	D	\$ 52.6	36,981	D
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	200	D	\$ 52.61	36,781	D
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	300	D	\$ 52.62	36,481	D
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	600	D	\$ 52.63	35,881	D
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	311	D	\$ 52.64	35,570	D
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	300	D	\$ 52.66	35,270	D
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	200	D	\$ 52.67	35,070	D
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	200	D	\$ 52.68	34,870	D
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	100	D	\$ 52.69	34,770	D
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	200	D	\$ 52.71	34,570	D
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	300	D	\$ 52.74	34,270	D
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	200	D	\$ 52.75	34,070	D
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	425	D	\$ 52.76	33,645	D
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	100	D	\$ 52.77	33,545	D
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	200	D	\$ 52.55	33,345	D
Common Stock <u>(4)</u>	03/12/2010	03/12/2010	S	300	D	\$ 52.56	33,045	D
	03/12/2010	03/12/2010	S	300	D	\$ 52.57	32,745	D

Common Stock <sup>(4)</sup>								
Common Stock <sup>(4)</sup>	03/12/2010	03/12/2010	S	100	D	\$ 52.58	32,645	D
Common Stock <sup>(4)</sup>	03/12/2010	03/12/2010	S	100	D	\$ 52.595	32,545	D
Common Stock <sup>(4)</sup>	03/12/2010	03/12/2010	S	700	D	\$ 52.6	31,845	D
Common Stock <sup>(4)</sup>	03/12/2010	03/12/2010	S	700	D	\$ 52.61	31,145	D

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

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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)	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 Shares	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	
Stock Options <sup>(1)</sup>	\$ 24.69	03/12/2010	03/12/2010	M	5,436	06/02/2006 06/02/2015	Common Stock	5,436	
Stock Options <sup>(2)</sup>	\$ 24.69	03/12/2010	03/12/2010	M	5,436	06/02/2006 06/02/2015	Common Stock	5,436	
Stock Options <sup>(3)</sup>	\$ 39.81	03/12/2010	03/12/2010	M	19,135	11/21/2008 01/30/2017	Common Stock	19,135	

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other

O'Donnell Mark Sean  
5791 VAN ALLEN WAY  
CARLSBAD, CA 92008

SVP, Global Ops & Services

## Signatures

/s/ David L.  
Szekeres, POA

03/16/2010

  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 #00020503
- (2) Options exercised from Grant #C0020503
- (3) Options exercised from Grant #18801
- (4) Common shares sold post grant exercise

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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