

O'Donnell Mark Sean
 Form 4
 March 16, 2010

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 *
 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

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Common Stock ⁽⁴⁾									
Common Stock ⁽⁴⁾	03/12/2010	03/12/2010	S	100	D	\$ 52.58	32,645	D	
Common Stock ⁽⁴⁾	03/12/2010	03/12/2010	S	100	D	\$ 52.595	32,545	D	
Common Stock ⁽⁴⁾	03/12/2010	03/12/2010	S	700	D	\$ 52.6	31,845	D	
Common Stock ⁽⁴⁾	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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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 ⁽¹⁾	\$ 24.69	03/12/2010	03/12/2010	M	5,436	06/02/2006 06/02/2015	Common Stock	5,436	
Stock Options ⁽²⁾	\$ 24.69	03/12/2010	03/12/2010	M	5,436	06/02/2006 06/02/2015	Common Stock	5,436	
Stock Options ⁽³⁾	\$ 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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