

O'Donnell Mark Sean  
 Form 3  
 November 25, 2008

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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. Date of Event Requiring Statement (Month/Day/Year) 11/21/2008	3. Issuer Name and Ticker or Trading Symbol Life Technologies Corp [LIFE]	4. Relationship of Reporting Person(s) to Issuer  (Check all applicable) <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below) SVP, Global Ops & Services	5. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
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**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

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**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)  Date Exercisable      Expiration Date	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)  Title      Amount or Number of Shares	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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Incentive Stock Option <sup>(1)</sup> <u>(10)</u>	11/21/2008	03/17/2010	Common Stock	1,572	\$ 115.51	D	Â
Non-Qualified Stock Option <sup>(2)</sup> <u>(2)</u>	11/21/2008	03/17/2010	Common Stock	9,995	\$ 115.51	D	Â
Non-Qualified Stock Option <sup>(3)</sup> <u>(3)</u>	11/21/2008	03/24/2013	Common Stock	4,349	\$ 17.87	D	Â
Non-Qualified Stock Option <sup>(4)</sup> <u>(4)</u>	11/21/2008	06/17/2014	Common Stock	8,480	\$ 23.21	D	Â
Non-Qualified Stock Option <sup>(5)</sup> <u>(5)</u>	11/21/2008	06/02/2015	Common Stock	5,436	\$ 24.69	D	Â
Non-Qualified Stock Option <sup>(6)</sup> <u>(6)</u>	11/21/2008	06/02/2015	Common Stock	5,436	\$ 24.69	D	Â
Non-Qualified Stock Option <sup>(7)</sup> <u>(7)</u>	11/21/2008	06/02/2015	Common Stock	5,436	\$ 24.69	D	Â
Non-Qualified Stock Option <sup>(8)</sup> <u>(8)</u>	11/21/2008	06/02/2015	Common Stock	5,436	\$ 24.69	D	Â
Non-Qualified Stock Option <sup>(9)</sup> <u>(9)</u>	11/21/2008	01/30/2017	Common Stock	19,135	\$ 39.81	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
O'Donnell Mark Sean 5791 VAN ALLEN WAY CARLSBAD, CA 92008	Â	Â	Â SVP, Global Ops & Services	Â

## Signatures

/s/ Joseph W. Secondine, Jr. POA 11/25/2008

  \*\*Signature of Reporting Person Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 5(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) Incentive Stock Option grant # 00005377. Shares converted to LIFE as a result of the Applied Biosystems merger with Invitrogen Corporation (name subsequently changed to Life Technologies).
- (2) Non-Qualified Stock Option grant # 00085378. Shares converted to LIFE as a result of the Applied Biosystems merger with Invitrogen Corporation (name subsequently changed to Life Technologies).
- (3) Non-Qualified Stock Option grant # 00017222. Shares converted to LIFE as a result of the Applied Biosystems merger with Invitrogen Corporation (name subsequently changed to Life Technologies).
- (4) Non-Qualified Stock Option grant # 00021103. Shares converted to LIFE as a result of the Applied Biosystems merger with Invitrogen Corporation (name subsequently changed to Life Technologies).
- (5)

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Non-Qualified Stock Option grant # 00020503. Shares converted to LIFE as a result of the Applied Biosystems merger with Invitrogen Corporation (name subsequently changed to Life Technologies).

- (6) Non-Qualified Stock Option grant # A0020503. Shares converted to LIFE as a result of the Applied Biosystems merger with Invitrogen Corporation (name subsequently changed to Life Technologies).
- (7) Non-Qualified Stock Option grant # B0020503. Shares converted to LIFE as a result of the Applied Biosystems merger with Invitrogen Corporation (name subsequently changed to Life Technologies).
- (8) Non-Qualified Stock Option grant # C0020503. Shares converted to LIFE as a result of the Applied Biosystems merger with Invitrogen Corporation (name subsequently changed to Life Technologies).
- (9) Non-Qualified Stock Option grant # 18801. Shares converted to LIFE as a result of the Applied Biosystems merger with Invitrogen Corporation (name subsequently changed to Life Technologies).
- (10) The individual may hold additional shares acquired as a result of the conversion from Applied Biosystems stock to Life Technologies stock. Administration of the conversion is not complete. If it is determined that the individual owns shares, a Form 4A will be filed.

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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