

Miller John L
 Form 4
 December 21, 2010

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 *
 Miller John L

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)
 12/17/2010

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 President, Genetic Systems

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	(D)	Price		
Common Stock <u>(1)</u>	12/17/2010	12/17/2010	M		28,208	A	\$ 22.23	29,924	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S		8,399	D	\$ 55	21,525	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S		2,500	D	\$ 55.01	19,025	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S		400	D	\$ 55.02	18,625	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S		1,100	D	\$ 55.03	17,525	D

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Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	200	D	\$ 55.04	17,325	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	200	D	\$ 55.05	17,125	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	2,900	D	\$ 55.09	14,225	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	199	D	\$ 55.1	14,026	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	2,200	D	\$ 55.11	11,826	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	200	D	\$ 55.18	11,626	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	500	D	\$ 55.19	11,126	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	600	D	\$ 55.21	10,526	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	200	D	\$ 55.24	10,326	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	200	D	\$ 55.25	10,126	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	200	D	\$ 55.2537	9,926	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	100	D	\$ 55.2575	9,826	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	200	D	\$ 55.29	9,626	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	10	D	\$ 55.3	9,616	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	1,100	D	\$ 55.35	8,516	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	1,100	D	\$ 55.36	7,416	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	600	D	\$ 55.37	6,816	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	700	D	\$ 55.38	6,116	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	3,000	D	\$ 55.39	3,116	D
Common Stock <u>(2)</u>	12/17/2010	12/17/2010	S	100	D	\$ 55.4	3,016	D
	12/17/2010	12/17/2010	S	200	D	\$ 55.41	2,816	D

Common Stock ⁽²⁾								
Common Stock ⁽²⁾	12/17/2010	12/17/2010	S	300	D	\$ 55.43	2,516	D
Common Stock ⁽²⁾	12/17/2010	12/17/2010	S	600	D	\$ 55.44	1,916	D
Common Stock ⁽²⁾	12/17/2010	12/17/2010	S	100	D	\$ 55.47	1,816	D
Common Stock ⁽²⁾	12/17/2010	12/17/2010	S	100	D	\$ 55.52	1,716	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)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Options ⁽¹⁾	\$ 22.23	12/17/2010	12/17/2010	M	28,208	11/21/2009	11/21/2018	Common Stock	28,208

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Miller John L 5791 VAN ALLEN WAY CARLSBAD, CA 92008			President, Genetic Systems	

Signatures

/s/ David L.
Szekeres, POA

12/20/2010

__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 #F080765 Pursuant to 10b5-1 Trading Plan
- (2) Sale of Common Shares from Exercise of Grant #F080765 Pursuant to 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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