

Life Technologies Corp  
Form S-8 POS  
February 23, 2010

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As filed with the Securities and Exchange Commission on February 23, 2010  
Registration No. 333-155809

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549  
POST-EFFECTIVE AMENDMENT NO. 1  
TO FORM S-8  
UNDER  
THE SECURITIES ACT OF 1933**

**LIFE TECHNOLOGIES CORPORATION**  
(Exact name of Registrant as specified in its charter)

|   |   |   |
|---|---|---|
| <b>Delaware</b><br>(State of Incorporation) | <b>5791 Van Allen Way</b><br><b>Carlsbad, California 92008</b><br>(Address of Principal Executive<br>Offices) | <b>33-0373077</b><br>(I.R.S. Employer Identification No.) |
|---|---|---|

**Life Technologies Corporation Amended and Restated 1999 Employee Stock Purchase Plan**  
(Full Title of the Plan)

**John A. Cottingham, Esq.**  
**Chief Legal Officer and Secretary**  
**Life Technologies Corporation**  
**5791 Van Allen Way**  
**Carlsbad, California 92008**  
**(760) 603-7200**  
(Name, address, and telephone number of agent for service)

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of large accelerated filer, accelerated filer and smaller reporting company in Rule 12b-2 of the Exchange Act. (Check one):

|   |  |  |   |
|---|--|--|---|
| Large accelerated<br>filer <input type="checkbox"/> | Accelerated filer <input type="checkbox"/> | Non-accelerated filer <input type="checkbox"/> | Smaller reporting<br>company <input type="checkbox"/> |
|---|--|--|---|

(Do not check if a smaller reporting company)

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**DEREGISTRATION OF SHARES**

Effective as of February 1, 2010, Life Technologies Corporation (the Company ) terminated the Life Technologies Corporation Amended and Restated 1999 Employee Stock Purchase Plan (the ESPP ). The ESPP was previously maintained by Applera Corporation/Applied Biosystems Group (with shares registered on Forms S-8, Nos. 333-102063, filed December 20, 2002; and 333-120084, filed October 29, 2004), which the Company assumed in the merger transaction with Applera Corporation/Applied Biosystems Group that was completed on November 21, 2008. This Post-Effective Amendment No. 1 to the Company s registration statement on Form S-8 (No. 333-155809, filed December 2, 2008) is filed to deregister any shares previously registered under the ESPP that remain unsold at the termination of the offering. Please note, however, that shares remain subject to outstanding awards previously granted under the ESPP and consequently, the registration statement will remain in effect to cover the potential exercise or issuance of shares with respect to outstanding awards under the ESPP.

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Pursuant to the requirements of the Securities Act of 1933, as amended, the Company certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Post-Effective Amendment No. 1 to the registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Carlsbad, State of California, on February 23, 2010.

LIFE TECHNOLOGIES CORPORATION

By: /s/ John A. Cottingham  
John A. Cottingham  
Chief Legal Officer and Secretary