

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

FORM 10-K/A
(Amendment No. 1)

Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the fiscal year ended December 31, 2012 or

Transition Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Commission file number 1-8002

THERMO FISHER SCIENTIFIC INC.

(Exact name of Registrant as specified in its charter)

Delaware
(State of incorporation or organization)

04-2209186
(I.R.S. Employer Identification No.)

81 Wyman Street
Waltham, Massachusetts
(Address of principal executive offices)

02451
(Zip Code)

Registrant's telephone number, including area code: (781) 622-1000

Securities registered pursuant to Section 12(b) of the Act:

<u>Title of each class</u>	<u>Name of each exchange on which registered</u>
Common Stock, \$1.00 par value	New York Stock Exchange
Preferred Stock Purchase Rights	New York Stock Exchange

Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.
Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or 15(d) of the Act.
Yes No

Indicate by check mark whether the Registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months, and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the Registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the Registrant was required to submit and post such files).
Yes No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of the Registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

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 filer Accelerated filer Non-accelerated filer Smaller reporting company

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).
Yes No

As of June 30, 2012, the aggregate market value of the voting stock held by nonaffiliates of the Registrant was approximately \$18,917,793,000 (based on the last reported sale of common stock on the New York Stock Exchange Composite Tape reporting system on June 30, 2012).

As of February 2, 2013, the Registrant had 357,625,034 shares of Common Stock outstanding.

DOCUMENTS INCORPORATED BY REFERENCE

Sections of Thermo Fisher's definitive Proxy Statement for the 2013 Annual Meeting of Shareholders are incorporated by reference into Parts II and III of this report.

THERMO FISHER SCIENTIFIC INC.

EXPLANATORY NOTE

Thermo Fisher Scientific Inc. (the “Company”) is filing this Amendment No. 1 (“Form 10-K/A”) to its Annual Report on Form 10-K (“Form 10-K”) for the fiscal year ended December 31, 2012, filed with the Securities and Exchange Commission on February 27, 2013, solely to amend Exhibit 23.1, the Consent of Independent Registered Public Accounting Firm, to provide the name and electronic signature of PricewaterhouseCoopers LLP. There are no other changes to the Form 10-K or the consent.

This Form 10-K/A speaks as of the original filing date of the Form 10-K, does not reflect events that may have occurred subsequent to the original filing date, and does not modify or update in any way disclosures made in the original Form 10-K.

PART IV

Item 15. Exhibits and Financial Statement Schedules

(a)(3) The following documents are filed as a part of this report:

Exhibit Number	Title
23.1	Consent of PricewaterhouseCoopers LLP.
31.1	Certification of Chief Executive Officer required by the Securities Exchange Act Rules 13a-14(a) and 15d-14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
31.2	Certification of Chief Financial Officer required by the Securities Exchange Act Rules 13a-14(a) and 15d-14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, Thermo Fisher Scientific Inc. has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Dated: February 28, 2013

THERMO FISHER SCIENTIFIC INC.

By: /s/ Peter E. Hornstra
Peter E. Hornstra
Vice President and Chief Accounting Officer