



DIVISION OF
CORPORATION FINANCE

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

April 11, 2013

Via E-Mail

Mr. Peter M. Wilver
Senior Vice President and Chief Financial Officer
Thermo Fisher Scientific Inc.
81 Wyman Street
Waltham, MA 02451

**Re: Thermo Fisher Scientific Inc.
Form 10-K for the year ended December 31, 2012
Filed February 27, 2013
File No. 1-08002**

Dear Mr. Wilver:

We have reviewed your filing and have the following comments. We have limited our review to only your financial statements and related disclosures and do not intend to expand our review to other portions of your documents. In some of our comments, we may ask you to provide us with information so we may better understand your disclosure.

Please respond to this letter within ten business days by providing the requested information or by advising us when you will provide the requested response. If you do not believe our comments apply to your facts and circumstances, please tell us why in your response.

After reviewing the information you provide in response to these comments, we may have additional comments.

Form 10-K for the year ended December 31, 2012

Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

Liquidity and Capital Resources, page 43

1. We note from page F-42 that at December 31, 2012, you hold a cumulative total of \$5.42 billion of undistributed earnings in non-U.S. subsidiaries that you plan to reinvest outside the U.S. indefinitely. As we note that your cash and cash equivalents and short-term investments totaled \$855.3 million at that date, please tell us the amount of cash and equivalents as well as liquid investments held by your foreign subsidiaries at December 31, 2012 and quantify the amount that would not be available for use in the U.S. without incurring U.S. taxes.

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2. Further, as we note from pages 23 and F-25 that the majority of your operations and property, plant and equipment are in the U.S., please discuss for us the impact on your liquidity and capital positions if cash and cash equivalents as well as liquid investments held by your foreign subsidiaries were not available for use in the U.S. Similarly, discuss the impact of income tax liabilities you would incur if you were to repatriate the cash and cash equivalents as well as liquid investments held by your foreign subsidiaries to the U.S.
3. You disclose on page F-42 that you plan to keep these amounts permanently reinvested overseas "except for instances where the company can remit such earnings to the U.S. without an associated net tax cost." Please describe to us the circumstances under which this would be possible and tell us whether you have had these instances of remittances in the last three fiscal years.

We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filing to be certain that the filing includes the information the Securities Exchange Act of 1934 and all applicable Exchange Act rules require. Since the company and its management are in possession of all facts relating to a company's disclosure, they are responsible for the accuracy and adequacy of the disclosures they have made.

In responding to our comments, please provide a written statement from the company acknowledging that:

- the company is responsible for the adequacy and accuracy of the disclosure in the filing;
- staff comments or changes to disclosure in response to staff comments do not foreclose the Commission from taking any action with respect to the filing; and
- the company may not assert staff comments as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States.

You may contact David Burton, Staff Accountant, at (202) 551-3626 or Kate Tillan, Assistant Chief Accountant, at (202) 551-3604 if you have questions regarding these comments. In this regard, do not hesitate to contact me at (202) 551-3671.

Sincerely,

/s/ Kate Tillan for

Martin James
Senior Assistant Chief Accountant

cc (e-mail): Peter E. Hornstra
Chief Accounting Officer