THERMO FISHER SCIENTIFIC INC.

Form 11-K

UNITED STATES	
	SECURITIES AND EXCHANGE COMMISSION
	WASHINGTON, DC 20549
	FORM 11-K
	PORTS OF EMPLOYEE STOCK PURCHASE, SAVINGS AND SIMILAR PLANS IT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
(mark one) [X] Annual Report Pursua December 31, 2012	ant to Section 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended
[] Transiti	on Report Pursuant to Section 15(d) of the Securities Exchange Act of 1934
	Commission File Number 1-8002
TI	HERMO FISHER SCIENTIFIC INC. 401(k) RETIREMENT PLAN
A. Full title of th	e plan and address of the plan, if different from that of the issuer named below:
Thermo Fisher Scientific I	nc. 401(k) Retirement Plan
B. Name of issuer of th	e securities held pursuant to the plan and the address of the principal executive office:
Thermo Fisher Scientific I 81 Wyman Street	nc. 02451

Thermo Fisher Scientific Inc. 401(k) Retirement Plan December 31, 2012 and 2011

Pursuant to the requirements of the Securities Exchange Act of 1934, the trustees (or other persons who administer the employee benefit plan) have duly caused this annual report to be signed by the undersigned hereunto duly authorized.

THERMO FISHER SCIENTIFIC INC. 401(k) RETIREMENT PLAN

By: Thermo Fisher Scientific Inc., Pension Committee

By: /s/ Peter M. Wilver
Peter M. Wilver
Senior Vice President, Chief Financial Officer and
Member of the Pension Committee

Date: June 21, 2013

Thermo Fisher Scientific Inc. 401(k) Retirement Plan Financial Statements and Supplemental Schedule December 31, 2012 and 2011

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^{*}Other supplemental schedules required by Section 2520.103.10 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 have been omitted because they are not applicable.

Thermo Fisher Scientific Inc. 401(k) Retirement Plan

Report of Independent Registered Public Accounting Firm

To the Participants and Administrator of Thermo Fisher Scientific Inc. 401(k) Retirement Plan and the Pension Committee of Thermo Fisher Scientific Inc.

In our opinion, the accompanying statements of net assets available for benefits and the related statement of changes in net assets available for benefits present fairly, in all material respects, the net assets available for benefits of Thermo Fisher Scientific Inc. 401(k) Retirement Plan (the "Plan") at December 31, 2012 and 2011, and the changes in net assets available for benefits for the year ended December 31, 2012 in conformity with accounting principles generally accepted in the United States of America. These financial statements are the responsibility of the Plan's management. Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits of these statements in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

Our audits were conducted for the purpose of forming an opinion on the basic financial statements taken as a whole. The supplemental schedule of Schedule H, Line 4i – Schedule of Assets (Held at End of Year) is presented for the purpose of additional analysis and is not a required part of the basic financial statements but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. This supplemental schedule is the responsibility of the Plan's management. The supplemental schedule has been subjected to the auditing procedures applied in the audits of the basic financial statements and, in our opinion, is fairly stated in all material respects in relation to the basic financial statements taken as a whole.

/s/ PricewaterhouseCoopers LLP

Boston, Massachusetts June 21, 2013

Thermo Fisher Scientific Inc. 401(k) Retirement Plan Statements of Net Assets Available for Benefits December 31, 2012 and 2011

(In thousands)	2012	2011
Assets		
Investments, at fair value	\$1,704,413	\$1,356,616
Receivables		
Employer contributions	8,424	4,114
Participant contributions	3,404	2,671
Notes receivable from participants	31,321	27,179
	43,149	33,964
Net assets reflecting investments at fair value	1,747,562	1,390,580
Adjustment from fair value to contract value for collective trust investments in fully		
benefit-responsive investment contracts	(6,273)	(4,726)
Net assets available for benefits	\$1,741,289	\$1,385,854

The accompanying notes are an integral part of these financial statements.

Thermo Fisher Scientific Inc. 401(k) Retirement Plan Statement of Changes in Net Assets Available for Benefits For the Year Ended December 31, 2012

(In thousands)	2012
(In thousands)	2017

Additions	
Investment income	
Dividends and interest income	\$11,148
Net appreciation in fair value of investments	206,558
Total investment gain, net	217,706
Interest income on notes receivable from participants	1,306
Contributions	60.222
Employer	68,222
Participants	92,231
Participant rollover	34,314
Total as atalless in a	104767
Total contributions	194,767
Total additions, not	412 770
Total additions, net	413,779
Deductions	
Benefits paid to participants	132,240
Administrative expenses	312
Administrative expenses	312
Total deductions	132,552
Total deductions	132,332
Transfers	
Dionex 401(k) Plan	74,208
2101011 101(11) 111111	, .,
Net increase in net assets available for benefits	355,435
Net Assets Available for Benefits	
Beginning of year	1,385,854
	, ,
End of year	\$1,741,289

The accompanying notes are an integral part of these financial statements.

Thermo Fisher Scientific Inc. 401(k) Retirement Plan Notes to Financial Statements For the Year Ended December 31, 2012

Note 1. Plan Description

The following description of the Thermo Fisher Scientific Inc. 401(k) Retirement Plan (the "Plan") provides only general information. Participants should refer to the Plan document for a more complete description of the Plan's provisions.

General

The Plan is a defined contribution plan for the benefit of certain employees of Thermo Fisher Scientific Inc. (the "Plan Sponsor", the "Company"). T. Rowe Price Trust Company is the trustee of the Plan. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 ("ERISA").

In January 2012, the Plan replaced all of the T. Rowe Price Retirement Funds with T. Rowe Price Retirement Active Trusts. Participant balances in any of the T. Rowe Price Retirement Funds were exchanged for units of a similar Retirement Active Trust. The plan made this change to reduce the cost of investing in the age-based investment options. The active trusts are similar to the retirement funds in many ways but generally have lower fees and are only available to qualified retirement plans.

Transfers

The Company acquired Dionex Corporation in May 2011. The Dionex 401(k) Plan (the "Dionex plan") was merged into the Thermo Fisher Scientific Inc. 401(k) Retirement Plan effective January 13, 2012. As of January 12, 2012, the net assets of the Dionex plan were held by Fidelity Management Trust Company, which was the trustee. The transfer of \$74,208,000 of plan assets to T. Rowe Price, occurred in January 2012. Active participants of the Dionex plan were immediately vested in their entire account balance upon the plan merger.

Eligibility

Employees (as defined by the Plan) of the Company and its participating subsidiaries are generally eligible to participate in the Plan and receive Company matching contributions upon their date of hire (or rehire). Participants of certain unions may be eligible to participate in the Plan upon their date of hire (or rehire) but are not eligible for an allocation of Company contributions until the completion of one year of service.

Contributions

Each year participants may contribute on a pre-tax basis up to 50% of their eligible compensation, not to exceed the limits of the Internal Revenue Code. Participants may also contribute amounts representing distributions from other qualified defined benefit or defined contribution plans. The Company's non-discretionary matching contribution is equal to 100% of the first 6% of eligible compensation that a participant contributes to the Plan. Participants direct the investment of their contributions and the Company match into various investment options offered by the Plan. The Plan offers investment options in twenty investment funds and the Company's common stock. Contributions are subject to certain limitations. Employee contributions and Company match are recorded on a bi-weekly basis or

weekly for those employees on a weekly payroll.

Participant Accounts

Each participant's account is credited with the participant's contributions, the Company matching contributions, income or losses on those balances, as well as withdrawals, loan fees and loan repayments, as applicable.

Thermo Fisher Scientific Inc. 401(k) Retirement Plan Notes to Financial Statements For the Year Ended December 31, 2012

Administrative Expenses

The Company pays certain administrative expenses associated with the management of and professional services provided to the Plan. Administrative fees for loan transactions are paid by the participants, and are included in the Statement of Changes in Net Assets Available for Benefits.

Vesting

Participants are immediately vested in both their voluntary contributions and the Company contributions plus actual income or losses on those balances.

Notes Receivable from Participants

Participants may borrow from their account balance. Loans must be for a minimum of \$1,000 and have a maximum equal to \$50,000 or 50% of the account balance, whichever is less. The term of the loan is generally five years except when use of the proceeds is for the purchase of a primary residence, for which the term can be up to 30 years. The loans are secured by the balance in the participant's account and bear interest set at the prime rate as established in the Wall Street Journal, plus 1%. The prime rate and rate of interest on new Plan loans are determined as of the beginning of each calendar month. The interest rates on existing loans range from 3.75% to 9.75% at December 31, 2012 and from 4.25% to 9.75% at December 31, 2011. Principal and interest are repaid through payroll deductions for current employees.

Benefit Payments and Plan Withdrawals

Upon termination of service, a participant (or beneficiary) may elect to receive the participant's account balance in either a lump-sum payment or periodic installments. Withdrawals may be made under certain other circumstances in accordance with the Plan document.

Forfeitures

Forfeitures that exist in the Plan were either introduced into the Plan as a result of plan mergers or were created in previous years before vesting in Company contributions was immediate. All participant accounts in the Plan were 100% vested as of January 1, 2008.

Forfeitures can be used to reduce future employer contributions or pay Plan expenses. In 2012, \$116,000 was paid from the Plan's forfeiture accounts to fund company matching contributions. Changes in accumulated forfeitures include amounts transferred into the Plan with plan mergers and investment gains and losses on the forfeiture accounts. At December 31, 2012 and 2011, there was \$13,000 and \$0, respectively, in accumulated forfeitures available to reduce future employer contributions or pay Plan expenses.

Administrative Budget Account

T. Rowe Price earns a set fee for recordkeeping services. If the Plan's share of the investment expenses incurred by the mutual funds and other investments held by the Plan exceeds this fee amount, the excess is deposited by T. Rowe Price into a separate Plan account which can be used to pay other Plan expenses, such as audit and investment consultation fees. Deposits in this Plan account are invested in the T. Rowe Price Summit Cash Reserves Fund. Plan expenses of \$222,000 were paid from this account during 2012. At December 31, 2012 and 2011, there was \$1,507,000 and \$1,533,000, respectively, in this account available to pay Plan expenses.

Thermo Fisher Scientific Inc. 401(k) Retirement Plan Notes to Financial Statements For the Year Ended December 31, 2012

Note 2. Summary of Significant Accounting Policies

Use of Estimates

The financial statements of the Plan are prepared on the accrual basis of accounting. The preparation of the financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities and changes therein, and the disclosures of contingent assets and liabilities. Actual results could differ from those estimates.

Investment Valuation and Income Recognition

Investments are stated at fair value. Shares of mutual funds are valued at quoted market prices, which represent the net asset value at year-end. The Plan's interests in collective trusts are valued based on the fair value and contract value of the underlying investments of those funds or trusts. The Company's common stock is valued based on quoted market prices. Refer to Note 5 for more information on valuation of the Plan's investments.

Purchases and sales of investments are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date.

In the Statement of Changes in Net Assets Available for Benefits, the Plan presents the net appreciation in the fair value of its investments, which consists of realized gains or losses and unrealized appreciation or depreciation on investments. The cost of investments is determined using the average-cost basis for calculating realized gains or losses.

Investment contracts held by a defined-contribution plan are required to be reported at fair value. However, contract value is the relevant measurement attribute for that portion of the net assets available for benefits of a defined-contribution plan attributable to fully benefit-responsive investment contracts because contract value is the amount participants would receive if they were to initiate permitted transactions under the terms of the Plan. The Plan invests in investment contracts through certain collective trusts. The Statements of Net Assets Available for Benefits presents the fair value of the investments in the collective trusts as well as the adjustments of the investments in certain collective trusts from fair value to contract value relating to the investment contracts. The Statement of Changes in Net Assets Available for Benefits is prepared on a contract value basis.