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

FORM 10-Q

☒ Quarterly Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the quarterly period ended July 1, 2023 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	04-2209186
(State of incorporation)	*(I.R.S. Employer Identification No.)*

168 Third Avenue
Waltham, Massachusetts 02451
(Address of principal executive offices) (Zip Code)

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

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

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, $1.00 par value	TMO	New York Stock Exchange
0.750% Notes due 2024	TMO 24A	New York Stock Exchange
0.125% Notes due 2025	TMO 25B	New York Stock Exchange
2.000% Notes due 2025	TMO 25	New York Stock Exchange
3.200% Notes due 2026	TMO 26B	New York Stock Exchange
1.400% Notes due 2026	TMO 26A	New York Stock Exchange
1.450% Notes due 2027	TMO 27	New York Stock Exchange
1.750% Notes due 2027	TMO 27B	New York Stock Exchange
0.500% Notes due 2028	TMO 28A	New York Stock Exchange
1.375% Notes due 2028	TMO 28	New York Stock Exchange
1.950% Notes due 2029	TMO 29	New York Stock Exchange
0.875% Notes due 2031	TMO 31	New York Stock Exchange
2.375% Notes due 2032	TMO 32	New York Stock Exchange
3.650% Notes due 2034	TMO 34	New York Stock Exchange
2.875% Notes due 2037	TMO 37	New York Stock Exchange
1.500% Notes due 2039	TMO 39	New York Stock Exchange
1.875% Notes due 2049	TMO 49	New York Stock Exchange

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 (or for such shorter period that the registrant was required to file such reports), 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 every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes ☒ No ☐

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

Large accelerated filer ☒	Accelerated filer ☐	Non-accelerated filer ☐
Smaller reporting company ☐	Emerging growth company ☐	

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

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 July 1, 2023, the Registrant had 385,949,773 shares of Common Stock outstanding.

THERMO FISHER SCIENTIFIC INC.
QUARTERLY REPORT ON FORM 10-Q
FOR THE QUARTER ENDED JULY 1, 2023

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PART I FINANCIAL INFORMATION

Item 1. Financial Statements

CONDENSED CONSOLIDATED BALANCE SHEETS
(Unaudited)

(In millions except share and per share amounts)	July 1, 2023	December 31, 2022
Assets		
Current assets:		
Cash and cash equivalents	$ 3,133	$ 8,524
Accounts receivable, less allowances of $180 and $189	8,019	8,115
Inventories	5,655	5,634
Contract assets, net	1,467	1,312
Other current assets	1,721	1,644
Total current assets	19,995	25,229
Property, plant and equipment, net	9,292	9,280
Acquisition-related intangible assets, net	17,437	17,442
Other assets	4,108	4,007
Goodwill	43,273	41,196
Total assets	$ 94,105	$ 97,154
Liabilities, redeemable noncontrolling interest and equity		
Current liabilities:		
Short-term obligations and current maturities of long-term obligations	$ 4,814	$ 5,579
Accounts payable	2,423	3,381
Accrued payroll and employee benefits	1,310	2,095
Contract liabilities	2,590	2,601
Other accrued expenses	2,975	3,354
Total current liabilities	14,112	17,010
Deferred income taxes	2,842	2,849
Other long-term liabilities	4,042	4,238
Long-term obligations	29,194	28,909
Redeemable noncontrolling interest	113	116
Equity:		
Thermo Fisher Scientific Inc. shareholders' equity:		
Preferred stock, $100 par value, 50,000 shares authorized; none issued	—	—
Common stock, $1 par value, 1,200,000,000 shares authorized; 441,398,059 and 440,668,112 shares issued	441	441
Capital in excess of par value	17,030	16,743
Retained earnings	44,289	41,910
Treasury stock at cost, 55,448,286 and 50,157,275 shares	(15,084)	(12,017)
Accumulated other comprehensive income/(loss)	(2,924)	(3,099)
Total Thermo Fisher Scientific Inc. shareholders' equity	43,752	43,978
Noncontrolling interests	50	54
Total equity	43,802	44,032
Total liabilities, redeemable noncontrolling interest and equity	$ 94,105	$ 97,154

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

CONDENSED CONSOLIDATED STATEMENTS OF INCOME
(Unaudited)

(In millions except per share amounts)	Three months ended July 1, 2023	Three months ended July 2, 2022	Six months ended July 1, 2023	Six months ended July 2, 2022
Revenues				
Product revenues	$ 6,271	$ 7,003	$ 12,675	$ 15,020
Service revenues	4,416	3,967	8,722	7,768
Total revenues	10,687	10,970	21,397	22,788
Costs and operating expenses:				
Cost of product revenues	3,278	3,516	6,615	7,071
Cost of service revenues	3,158	2,855	6,391	5,654
Selling, general and administrative expenses	2,145	2,209	4,264	4,486
Research and development expenses	345	365	691	729
Restructuring and other costs	183	24	295	26
Total costs and operating expenses	9,109	8,969	18,256	17,966
Operating income	1,578	2,001	3,141	4,822
Interest income	178	36	324	54
Interest expense	(326)	(148)	(626)	(284)
Other income/(expense)	—	28	(46)	(135)
Income before income taxes	1,430	1,917	2,793	4,457
Provision for income taxes	(52)	(198)	(98)	(499)
Equity in earnings/(losses) of unconsolidated entities	(16)	(51)	(41)	(70)
Net income	1,362	1,668	2,654	3,888
Less: net income/(losses) attributable to noncontrolling interests and redeemable noncontrolling interest	1	4	4	9
Net income attributable to Thermo Fisher Scientific Inc.	$ 1,361	$ 1,664	$ 2,650	$ 3,879
Earnings per share attributable to Thermo Fisher Scientific Inc.				
Basic	$ 3.53	$ 4.25	$ 6.86	$ 9.90
Diluted	$ 3.51	$ 4.22	$ 6.83	$ 9.83
Weighted average shares				
Basic	386	392	386	392
Diluted	388	394	388	394

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

CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME
(Unaudited)

(In millions)	Three months ended July 1, 2023	Three months ended July 2, 2022	Six months ended July 1, 2023	Six months ended July 2, 2022
Comprehensive income				
Net income	$ 1,362	$ 1,668	$ 2,654	$ 3,888
Other comprehensive income/(loss):				
Currency translation adjustment:				
Currency translation adjustment (net of tax provision (benefit) of $0, $173, $(36) and $262)	125	(386)	169	(416)
Unrealized gains and losses on hedging instruments:				
Reclassification adjustment for losses included in net income (net of tax benefit of $0, $1, $1 and $1)	1	—	4	1
Pension and other postretirement benefit liability adjustments:				
Pension and other postretirement benefit liability adjustments arising during the period (net of tax (provision) benefit of $1, $(2), $0 and $(3))	(1)	6	—	9
Amortization of net loss included in net periodic pension cost (net of tax benefit of $0, $1, $0 and $2)	(2)	2	(2)	4
Total other comprehensive income/(loss)	123	(378)	171	(402)
Comprehensive income	1,485	1,290	2,825	3,486
Less: comprehensive income/(loss) attributable to noncontrolling interests and redeemable noncontrolling interest	(6)	7	—	2
Comprehensive income attributable to Thermo Fisher Scientific Inc.	$ 1,491	$ 1,283	$ 2,825	$ 3,484

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

CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS
(Unaudited)

(In millions)	Six months ended July 1, 2023	Six months ended July 2, 2022
Operating activities		
Net income	$ 2,654	$ 3,888
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation of property, plant and equipment	523	486
Amortization of acquisition-related intangible assets	1,191	1,209
Change in deferred income taxes	(328)	(601)
Loss on early extinguishment of debt	—	26
Stock-based compensation	150	155
Other non-cash expenses, net	330	291
Changes in assets and liabilities, excluding the effects of acquisitions	(2,251)	(1,724)
Net cash provided by operating activities	2,269	3,730
Investing activities		
Acquisitions, net of cash acquired	(2,751)	(40)
Purchase of property, plant and equipment	(742)	(1,146)
Proceeds from sale of property, plant and equipment	10	14
Other investing activities, net	(102)	83
Net cash used in investing activities	(3,585)	(1,089)
Financing activities		
Repayment of debt	(1,000)	(375)
Proceeds from issuance of commercial paper	1,620	1,032
Repayments of commercial paper	(1,441)	(3,490)
Purchases of company common stock	(3,000)	(2,000)
Dividends paid	(252)	(220)
Other financing activities, net	24	3
Net cash used in financing activities	(4,049)	(5,050)
Exchange rate effect on cash	(19)	(177)
Decrease in cash, cash equivalents and restricted cash	(5,384)	(2,586)
Cash, cash equivalents and restricted cash at beginning of period	8,537	4,491
Cash, cash equivalents and restricted cash at end of period	$ 3,153	$ 1,905

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

CONDENSED CONSOLIDATED STATEMENT OF REDEEMABLE NONCONTROLLING INTEREST AND EQUITY
(Unaudited)

(In millions)	Redeemable Noncontrolling Interest	Common Stock Shares	Common Stock Amount	Capital in Excess of Par Value	Retained Earnings	Treasury Stock Shares	Treasury Stock Amount	Accumulated Other Comprehensive Items	Total Thermo Fisher Scientific Inc. Shareholders' Equity	Noncontrolling Interests	Total Equity
					Three months ended July 1, 2023						
Balance at April 1, 2023	$ 123	441	$ 441	$ 16,889	$ 43,064	55	$ (15,083)	$ (3,054)	$ 42,257	$ 53	$ 42,310
Issuance of shares under employees' and directors' stock plans	—	—	—	67	—	—	(2)	—	65	—	65
Stock-based compensation	—	—	—	74	—	—	—	—	74	—	74
Dividends declared ($0.35 per share)	—	—	—	—	(136)	—	—	—	(136)	—	(136)
Net income/(loss)	4	—	—	—	1,361	—	—	—	1,361	(3)	1,358
Other comprehensive items	(7)	—	—	—	—	—	—	130	130	—	130
Contributions from (distributions to) noncontrolling interests	(7)	—	—	—	—	—	—	—	—	—	—
Excise tax from stock repurchases	—	—	—	—	—	—	1	—	1	—	1
Balance at July 1, 2023	$ 113	441	$ 441	$ 17,030	$ 44,289	55	$ (15,084)	$ (2,924)	$ 43,752	$ 50	$ 43,802
					Three months ended July 2, 2022						
Balance at April 2, 2022	$ 113	440	$ 440	$ 16,292	$ 37,528	48	$ (10,961)	$ (2,343)	$ 40,956	$ 62	$ 41,018
Issuance of shares under employees' and directors' stock plans	—	—	—	98	—	—	(3)	—	95	—	95
Stock-based compensation	—	—	—	77	—	—	—	—	77	—	77
Dividends declared ($0.30 per share)	—	—	—	—	(118)	—	—	—	(118)	—	(118)
Net income/(loss)	4	—	—	—	1,664	—	—	—	1,664	—	1,664
Other comprehensive items	4	—	—	—	—	—	—	(381)	(381)	(1)	(382)
Contributions from (distributions to) noncontrolling interests	(4)	—	—	—	—	—	—	—	—	—	—
Balance at July 2, 2022	$ 117	440	$ 440	$ 16,467	$ 39,074	48	$ (10,964)	$ (2,724)	$ 42,293	$ 61	$ 42,354

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

CONDENSED CONSOLIDATED STATEMENT OF REDEEMABLE NONCONTROLLING INTEREST AND EQUITY (Continued)
(Unaudited)

(In millions)	Redeemable Noncontrolling Interest	Common Stock Shares	Common Stock Amount	Capital in Excess of Par Value	Retained Earnings	Treasury Stock Shares	Treasury Stock Amount	Accumulated Other Comprehensive Items	Total Thermo Fisher Scientific Inc. Shareholders' Equity	Noncontrolling Interests	Total Equity
						Six months ended July 1, 2023					
Balance at December 31, 2022	$ 116	441	$ 441	$ 16,743	$ 41,910	50	$ (12,017)	$ (3,099)	$ 43,978	$ 54	$ 44,032
Issuance of shares under employees' and directors' stock plans	—	—	—	137	—	—	(38)	—	99	—	99
Stock-based compensation	—	—	—	150	—	—	—	—	150	—	150
Purchases of company common stock	—	—	—	—	—	5	(3,000)	—	(3,000)	—	(3,000)
Dividends declared ($0.70 per share)	—	—	—	—	(271)	—	—	—	(271)	—	(271)
Net income/(loss)	8	—	—	—	2,650	—	—	—	2,650	(4)	2,646
Other comprehensive income/(loss)	(4)	—	—	—	—	—	—	175	175	—	175
Contributions from (distributions to) noncontrolling interests	(7)	—	—	—	—	—	—	—	—	—	—
Excise tax from stock repurchases	—	—	—	—	—	—	(29)	—	(29)	—	(29)
Balance at July 1, 2023	$ 113	441	$ 441	$ 17,030	$ 44,289	55	$ (15,084)	$ (2,924)	$ 43,752	$ 50	$ 43,802
						Six months ended July 2, 2022					
Balance at December 31, 2021	$ 122	439	$ 439	$ 16,174	$ 35,431	45	$ (8,922)	$ (2,329)	$ 40,793	$ 62	$ 40,855
Issuance of shares under employees' and directors' stock plans	—	1	1	138	—	—	(42)	—	97	—	97
Stock-based compensation	—	—	—	155	—	—	—	—	155	—	155
Purchases of company common stock	—	—	—	—	—	3	(2,000)	—	(2,000)	—	(2,000)
Dividends declared ($0.60 per share)	—	—	—	—	(236)	—	—	—	(236)	—	(236)
Net income/(loss)	9	—	—	—	3,879	—	—	—	3,879	—	3,879
Other comprehensive income/(loss)	(7)	—	—	—	—	—	—	(395)	(395)	—	(395)
Contributions from (distributions to) noncontrolling interests	(7)	—	—	—	—	—	—	—	—	(1)	(1)
Balance at July 2, 2022	$ 117	440	$ 440	$ 16,467	$ 39,074	48	$ (10,964)	$ (2,724)	$ 42,293	$ 61	$ 42,354

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

Note 1. Nature of Operations and Summary of Significant Accounting Policies

Nature of Operations

Thermo Fisher Scientific Inc. (the company or Thermo Fisher) enables customers to make the world healthier, cleaner and safer by helping them accelerate life sciences research, solve complex analytical challenges, increase laboratory productivity, and improve patient health through diagnostics and the development and manufacture of life-changing therapies. Markets served include pharmaceutical and biotech, academic and government, industrial and applied, as well as healthcare and diagnostics.

Interim Financial Statements

The interim condensed consolidated financial statements presented herein have been prepared by the company, are unaudited and, in the opinion of management, reflect all adjustments of a normal recurring nature necessary for a fair statement of the financial position at July 1, 2023, the results of operations for the three- and six-month periods ended July 1, 2023 and July 2, 2022, and the cash flows for the six-month periods ended July 1, 2023 and July 2, 2022. Interim results are not necessarily indicative of results for a full year.

The condensed consolidated balance sheet presented as of December 31, 2022 has been derived from the audited consolidated financial statements as of that date. The condensed consolidated financial statements and notes are presented as permitted by Form 10-Q and do not contain all information that is included in the annual financial statements and notes thereto of the company. The condensed consolidated financial statements and notes included in this report should be read in conjunction with the 2022 financial statements and notes included in the company's Annual Report on Form 10-K filed with the Securities and Exchange Commission (SEC). Certain reclassifications of prior year amounts have been made to conform to the current year presentation.

Note 1 to the consolidated financial statements for 2022 describes the significant accounting estimates and policies used in preparation of the consolidated financial statements. There have been no material changes in the company's significant accounting policies during the six months ended July 1, 2023.

Inventories

The components of inventories are as follows:

(In millions)	July 1, 2023	December 31, 2022
Raw materials	$ 2,368	$ 2,405
Work in process	760	660
Finished goods	2,527	2,569
Inventories	$ 5,655	$ 5,634

Use of Estimates

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period.

The company's estimates include, among others, asset reserve requirements as well as the amounts of future cash flows associated with certain assets and businesses that are used in assessing the risk of impairment. Actual results could differ from those estimates.

Recent Accounting Pronouncements

In September 2022, the FASB issued new guidance to require entities to disclose information about supplier finance programs. Among other things, the new guidance requires expanded disclosure about key program terms, payment terms, and amounts outstanding for obligations under these programs for each period presented. The company adopted some aspects of this guidance in 2023 using a retrospective method and will adopt other aspects in 2024 using a prospective method. The adoption of this guidance did not have, and is not expected to have, a material impact on the company's disclosures; however, the impact in future periods will be dependent on the extent of arrangements of this nature entered into by the company.

In November 2021, the FASB issued new guidance to require entities to disclose information about certain types of government assistance they receive, including cash grants and tax credits. Among other things, the new guidance requires expanded disclosure regarding the qualitative and quantitative characteristics of the nature, amount, timing, and significant terms and conditions of transactions with a government arising from a grant or other forms of assistance accounted for under a contribution model. The company adopted this guidance in the fourth quarter of 2022 using a prospective method. The adoption of this guidance did not have a material impact on the company's disclosures.

Note 2. Acquisitions

The company's acquisitions have historically been made at prices above the determined fair value of the acquired identifiable net assets, resulting in goodwill, primarily due to expectations of the synergies that will be realized by combining the businesses and the benefits that will be gained from the assembled workforces. These synergies include the elimination of redundant facilities, functions and staffing; use of the company's existing commercial infrastructure to expand sales of the acquired businesses' products and services; and use of the commercial infrastructure of the acquired businesses to cost-effectively expand sales of company products and services.

Acquisitions have been accounted for using the acquisition method of accounting, and the acquired companies' results have been included in the accompanying financial statements from their respective dates of acquisition.

2023

On January 3, 2023, the company acquired, within the Specialty Diagnostics segment, The Binding Site Group, a U.K.-based provider of specialty diagnostic assays and instruments to improve the diagnosis and management of blood cancers and immune system disorders. The acquisition expands the segment's portfolio with the addition of pioneering innovation in diagnostics and monitoring for multiple myeloma. The goodwill recorded as a result of this business combination is not tax deductible.

The components of the purchase price and net assets acquired are as follows:

(In millions)		The Binding Site
Purchase price		
Cash paid	$	2,412
Debt settled		307
Cash acquired		(20)
	$	2,699
Net assets acquired		
Definite-lived intangible assets:		
Customer relationships	$	868
Product technology		172
Tradenames		42
Goodwill		1,755
Net tangible assets		141
Deferred tax assets (liabilities)		(279)
	$	2,699

In addition, in 2023, the company acquired, within the Analytical Instruments segment, a U.S.-based developer of Raman-based spectroscopy solutions for in-line measurement.

The weighted-average amortization period for definite-lived intangible assets acquired in 2023 are 18 years for customer relationships, 14 years for product technology and 15 years for tradenames. The weighted average amortization period for all definite-lived intangible assets acquired in 2023 is 17 years.

Pending Acquisition

The company has entered into an agreement to acquire CorEvitas, LLC for approximately $0.91 billion in cash. CorEvitas provides regulatory-grade, real-world evidence for approved medical treatments and therapies. The transaction, which is expected to be completed by the end of 2023, is subject to customary closing conditions, including regulatory approvals. Upon completion, CorEvitas will become part of the Laboratory Products and Biopharma Services segment.

Note 3. Revenues and Contract-related Balances

Disaggregated Revenues

Revenues by type are as follows:

	Three months ended		Six months ended	
(In millions)	July 1, 2023	July 2, 2022	July 1, 2023	July 2, 2022
Revenues				
Consumables	$ 4,433	$ 4,993	$ 8,939	$ 11,103
Instruments	1,838	2,010	3,736	3,917
Services	4,416	3,967	8,722	7,768
Consolidated revenues	$ 10,687	$ 10,970	$ 21,397	$ 22,788

Revenues by geographic region based on customer location are as follows:

	Three months ended		Six months ended	
(In millions)	July 1, 2023	July 2, 2022	July 1, 2023	July 2, 2022
Revenues				
North America	$ 5,714	$ 6,032	$ 11,492	$ 12,355
Europe	2,654	2,551	5,255	5,601
Asia-Pacific	1,902	2,042	3,888	4,106
Other regions	417	345	762	726
Consolidated revenues	$ 10,687	$ 10,970	$ 21,397	$ 22,788

Each reportable segment earns revenues from consumables, instruments and services in North America, Europe, Asia-Pacific and other regions. See Note 4 for revenues by reportable segment and other geographic data.

Remaining Performance Obligations

The aggregate amount of the transaction price allocated to the remaining performance obligations for all open customer contracts as of July 1, 2023 was $25.39 billion. The company will recognize revenues for these performance obligations as they are satisfied, approximately 56% of which is expected to occur within the next twelve months. Amounts expected to occur thereafter generally relate to contract manufacturing, clinical research and extended warranty service agreements, which typically have durations of three to five years.

Contract-related Balances

Noncurrent contract assets and noncurrent contract liabilities are included within other assets and other long-term liabilities in the accompanying balance sheet, respectively. Contract asset and liability balances are as follows:

(In millions)	July 1, 2023	December 31, 2022
Current contract assets, net	$ 1,467	$ 1,312
Noncurrent contract assets, net	6	7
Current contract liabilities	2,590	2,601
Noncurrent contract liabilities	1,098	1,179

In the three and six months ended July 1, 2023, the company recognized revenues of $0.68 billion and $1.98 billion, respectively, that were included in the contract liabilities balance at December 31, 2022. In the three and six months ended July 2, 2022, the company recognized revenues of $0.71 billion and $1.99 billion, respectively, that were included in the contract liabilities balance at December 31, 2021.

Note 4. Business Segment and Geographical Information

Business Segment Information

(In millions)	Three months ended July 1, 2023	Three months ended July 2, 2022	Six months ended July 1, 2023	Six months ended July 2, 2022
Revenues				
Life Sciences Solutions	$ 2,463	$ 3,292	$ 5,075	$ 7,523
Analytical Instruments	1,749	1,607	3,472	3,125
Specialty Diagnostics	1,109	1,101	2,217	2,583
Laboratory Products and Biopharma Services	5,831	5,537	11,594	10,979
Eliminations	(465)	(567)	(961)	(1,422)
Consolidated revenues	10,687	10,970	21,397	22,788
Segment Income				
Life Sciences Solutions	817	1,327	1,653	3,503
Analytical Instruments	432	344	853	645
Specialty Diagnostics	297	243	577	596
Laboratory Products and Biopharma Services	824	691	1,617	1,311
Subtotal reportable segments	2,370	2,605	4,700	6,055
Cost of revenues adjustments	(18)	(8)	(59)	(19)
Selling, general and administrative expenses adjustments	(6)	28	(14)	21
Restructuring and other costs	(183)	(24)	(295)	(26)
Amortization of acquisition-related intangible assets	(585)	(600)	(1,191)	(1,209)
Consolidated operating income	1,578	2,001	3,141	4,822
Interest income	178	36	324	54
Interest expense	(326)	(148)	(626)	(284)
Other income/(expense)	—	28	(46)	(135)
Consolidated income before taxes	$ 1,430	$ 1,917	$ 2,793	$ 4,457

Cost of revenues adjustments included in the above table consist of charges for the sale of inventories revalued at the date of acquisition, inventory write-downs associated with large-scale abandonment of product lines, and accelerated depreciation on manufacturing assets to be abandoned due to facility consolidations. Selling, general and administrative expenses adjustments included in the above table consist of third-party transaction/integration costs related to recent acquisitions and charges/credits for changes in estimates of contingent acquisition consideration.

Geographical Information

Revenues by country based on customer location are as follows:

(In millions)	Three months ended July 1, 2023	Three months ended July 2, 2022	Six months ended July 1, 2023	Six months ended July 2, 2022
Revenues				
United States	$ 5,531	$ 5,846	$ 11,118	$ 11,943
China	856	1,001	1,726	1,911
Other	4,300	4,123	8,553	8,934
Consolidated revenues	$ 10,687	$ 10,970	$ 21,397	$ 22,788

Note 5. Income Taxes

The provision for income taxes in the accompanying statements of income differs from the provision calculated by applying the statutory federal income tax rate to income before provision for income taxes due to the following:

	Six months ended	
(In millions)	July 1, 2023	July 2, 2022
Statutory federal income tax rate	21 %	21 %
Provision for income taxes at statutory rate	$ 587	$ 936
Increases (decreases) resulting from:		
Foreign rate differential	(125)	(138)
Income tax credits	(136)	(117)
Global intangible low-taxed income	46	46
Foreign-derived intangible income	(55)	(71)
Excess tax benefits from stock options and restricted stock units	(37)	(31)
Provision for (reversal of) tax reserves, net	8	13
Intra-entity transfers	(144)	(18)
Foreign exchange loss on inter-company debt refinancing	(112)	—
Provision for (reversal of) valuation allowances, net	66	(175)
Withholding taxes	12	33
Tax return reassessments and settlements	(38)	(4)
State income taxes, net of federal tax	53	67
Other, net	(27)	(42)
Provision for income taxes	$ 98	$ 499

The company has operations and a taxable presence in approximately 70 countries outside the U.S. The company's effective income tax rate differs from the U.S. federal statutory rate each year due to certain operations that are subject to tax incentives, state and local taxes, and foreign taxes that are different than the U.S. federal statutory rate.

Unrecognized Tax Benefits

As of July 1, 2023 the company had $0.56 billion of unrecognized tax benefits substantially all of which, if recognized, would reduce the effective tax rate. A reconciliation of the beginning and ending amounts of unrecognized tax benefits is as follows:

(In millions)	2023
Balance at beginning of year	$ 572
Additions for tax positions of current year	4
Additions for tax positions of prior years	26
Reductions for tax positions of prior years	(27)
Settlements	(18)
Balance at end of period	$ 557

Note 6. Earnings per Share

	Three months ended		Six months ended	
(In millions except per share amounts)	July 1, 2023	July 2, 2022	July 1, 2023	July 2, 2022
Net income attributable to Thermo Fisher Scientific Inc.	$ 1,361	$ 1,664	$ 2,650	$ 3,879
Basic weighted average shares	386	392	386	392
Plus effect of: stock options and restricted stock units	2	2	2	2
Diluted weighted average shares	388	394	388	394
Basic earnings per share	$ 3.53	$ 4.25	$ 6.86	$ 9.90
Diluted earnings per share	$ 3.51	$ 4.22	$ 6.83	$ 9.83
Antidilutive stock options excluded from diluted weighted average shares	2	2	2	2

Note 7. Debt and Other Financing Arrangements

(Dollars in millions)	Effective interest rate at July 1, 2023	July 1, 2023	December 31, 2022
Commercial Paper	5.59 %	$ 500	$ 310
Floating Rate (SOFR + 0.35%) 1.5-Year Senior Notes, Due 4/18/2023		—	1,000
Floating Rate (SOFR + 0.39%) 2-Year Senior Notes, Due 10/18/2023		500	500
0.797% 2-Year Senior Notes, Due 10/18/2023	1.03 %	1,350	1,350
Floating Rate (EURIBOR + 0.20%) 2-Year Senior Notes, Due 11/18/2023 (euro-denominated)	3.41 %	1,854	1,819
0.000% 2-Year Senior Notes, Due 11/18/2023 (euro-denominated)	0.06 %	600	589
0.75% 8-Year Senior Notes, Due 9/12/2024 (euro-denominated)	0.93 %	1,091	1,071
Floating Rate (SOFR + 0.53%) 3-Year Senior Notes, Due 10/18/2024		500	500
1.215% 3-Year Senior Notes, Due 10/18/2024	1.42 %	2,500	2,500
0.125% 5.5-Year Senior Notes, Due 3/1/2025 (euro-denominated)	0.41 %	873	857
2.00% 10-Year Senior Notes, Due 4/15/2025 (euro-denominated)	2.10 %	698	686
0.853% 3-Year Senior Notes, Due 10/20/2025 (yen-denominated)	1.05 %	155	170
0.000% 4-Year Senior Notes, Due 11/18/2025 (euro-denominated)	0.15 %	600	589
3.20% 3-Year Senior Notes, Due 1/21/2026 (euro-denominated)	3.39 %	545	535
1.40% 8.5-Year Senior Notes, Due 1/23/2026 (euro-denominated)	1.53 %	764	749
1.45% 10-Year Senior Notes, Due 3/16/2027 (euro-denominated)	1.65 %	545	535
1.75% 7-Year Senior Notes, Due 4/15/2027 (euro-denominated)	1.96 %	654	642
1.054% 5-Year Senior Notes, Due 10/20/2027 (yen-denominated)	1.18 %	200	221
4.80% 5-Year Senior Notes, Due 11/21/2027	5.00 %	600	600
0.50% 8.5-Year Senior Notes, Due 3/1/2028 (euro-denominated)	0.77 %	873	857
1.375% 12-Year Senior Notes, Due 9/12/2028 (euro-denominated)	1.46 %	654	642
1.75% 7-Year Senior Notes, Due 10/15/2028	1.89 %	700	700
1.95% 12-Year Senior Notes, Due 7/24/2029 (euro-denominated)	2.08 %	764	749
2.60% 10-Year Senior Notes, Due 10/1/2029	2.74 %	900	900
1.279% 7-Year Senior Notes, Due 10/19/2029 (yen-denominated)	1.44 %	33	36
0.80% 9-Year Senior Notes, Due 10/18/2030 (euro-denominated)	0.88 %	1,909	1,873
0.875% 12-Year Senior Notes, Due 10/1/2031 (euro-denominated)	1.13 %	982	963
2.00% 10-Year Senior Notes, Due 10/15/2031	2.23 %	1,200	1,200
2.375% 12-Year Senior Notes, Due 4/15/2032 (euro-denominated)	2.55 %	654	642
1.49% 10-Year Senior Notes, Due 10/20/2032 (yen-denominated)	1.60 %	44	48
4.95% 10-Year Senior Notes, Due 11/21/2032	5.09 %	600	600
1.125% 12-Year Senior Notes, Due 10/18/2033 (euro-denominated)	1.20 %	1,636	1,606
3.65% 12-Year Senior Notes, Due 11/21/2034 (euro-denominated)	3.76 %	818	803
2.875% 20-Year Senior Notes, Due 7/24/2037 (euro-denominated)	2.94 %	764	749
1.50% 20-Year Senior Notes, Due 10/1/2039 (euro-denominated)	1.73 %	982	963
2.80% 20-Year Senior Notes, Due 10/15/2041	2.90 %	1,200	1,200
1.625% 20-Year Senior Notes, Due 10/18/2041 (euro-denominated)	1.77 %	1,364	1,339
2.069% 20-Year Senior Notes, Due 10/20/2042 (yen-denominated)	2.13 %	101	111
5.30% 30-Year Senior Notes, Due 2/1/2044	5.37 %	400	400
4.10% 30-Year Senior Notes, Due 8/15/2047	4.23 %	750	750
1.875% 30-Year Senior Notes, Due 10/1/2049 (euro-denominated)	1.98 %	1,091	1,071

(Dollars in millions)	Effective interest rate at July 1, 2023	July 1, 2023	December 31, 2022
2.00% 30-Year Senior Notes, Due 10/18/2051 (euro-denominated)	2.07 %	818	803
2.382% 30-Year Senior Notes, Due 10/18/2052 (yen-denominated)	2.43 %	231	254
Other		76	79
Total borrowings at par value		34,073	34,561
Unamortized discount		(112)	(112)
Unamortized debt issuance costs		(155)	(171)
Total borrowings at carrying value		33,806	34,278
Finance lease liabilities		202	210
Less: Short-term obligations and current maturities		4,814	5,579
Long-term obligations		$ 29,194	$ 28,909

SOFR - Secured Overnight Financing Rate
EURIBOR - Euro Interbank Offered Rate

The effective interest rates for the fixed-rate debt include the stated interest on the notes, the accretion of any discounts/premiums and the amortization of any debt issuance costs.

See Note 10 for fair value information pertaining to the company's long-term borrowings.

Credit Facilities

The company has a revolving credit facility (the Facility) with a bank group that provides for up to $5.00 billion of unsecured multi-currency revolving credit. The Facility expires on January 7, 2027. The revolving credit agreement calls for interest at either a Term SOFR, a EURIBOR-based rate (for funds drawn in euro) or a rate based on the prime lending rate of the agent bank, at the company's option. The agreement contains affirmative, negative and financial covenants, and events of default customary for facilities of this type. The covenants in the Facility include a Consolidated Net Interest Coverage Ratio (Consolidated EBITDA to Consolidated Net Interest Expense), as such terms are defined in the Facility. Specifically, the company has agreed that, so long as any lender has any commitment under the Facility, any letter of credit is outstanding under the Facility, or any loan or other obligation is outstanding under the Facility, it will maintain a minimum Consolidated Net Interest Coverage Ratio of 3.5:1.0 as of the last day of any fiscal quarter. As of July 1, 2023, no borrowings were outstanding under the Facility, although available capacity was reduced by immaterial outstanding letters of credit.

Commercial Paper Programs

The company has commercial paper programs pursuant to which it may issue and sell unsecured, short-term promissory notes (CP Notes). Under the U.S. program, a) maturities may not exceed 397 days from the date of issue and b) the CP Notes are issued on a private placement basis under customary terms in the commercial paper market and are not redeemable prior to maturity nor subject to voluntary prepayment. Under the euro program, maturities may not exceed 183 days and may be denominated in euro, U.S. dollars, Japanese yen, British pounds sterling, Swiss franc, Canadian dollars or other currencies. Under both programs, the CP Notes are issued at a discount from par (or premium to par, in the case of negative interest rates), or, alternatively, are sold at par and bear varying interest rates on a fixed or floating basis.

Senior Notes

Interest is payable quarterly on the floating rate senior notes, annually on the euro-denominated fixed rate senior notes and semi-annually on all other senior notes. Each of the U.S. dollar and euro-denominated fixed rate senior notes may be redeemed at a redemption price of 100% of the principal amount plus a specified make-whole premium and accrued interest. Except for the euro-denominated floating rate senior notes, which may not be redeemed early, the floating rate senior notes may be redeemed in whole or in part on or after their applicable call dates at a redemption price of 100% of the principal amount plus accrued interest. The company is subject to certain affirmative and negative covenants under the indentures governing the senior notes, the most restrictive of which limits the ability of the company to pledge principal properties as security under borrowing arrangements. The company was in compliance with all covenants at July 1, 2023.

In the first quarter of 2022, the company redeemed all of its 3.650% Senior Notes due 2025. In connection with the redemption, the company incurred $26 million of losses on the early extinguishment of debt included in other income/(expense) on the accompanying statements of income.

Thermo Fisher Scientific (Finance I) B.V. (Thermo Fisher International), a wholly-owned finance subsidiary of the company, issued each of the Floating Rate Senior Notes due 2023, the 0.00% Senior Notes due 2023, the 0.00% Senior Notes due 2025, the 0.80% Senior Notes due 2030, the 1.125% Senior Notes due 2033, the 1.625% Senior Notes due 2041, and the 2.00% Senior Notes due 2051 included in the table above (collectively, the "Euronotes") in registered public offerings. The company has fully and unconditionally guaranteed all of Thermo Fisher International's obligations under the Euronotes and all of Thermo Fisher International's other debt securities, and no other subsidiary of the company will guarantee these obligations. Thermo Fisher International is a "finance subsidiary" as defined in Rule 13-01(a)(4)(vi) of the Exchange Act, with no assets or operations other than those related to the issuance, administration and repayment of the Euronotes and other debt securities issued by Thermo Fisher International from time to time. The financial condition, results of operations and cash flows of Thermo Fisher International are consolidated in the financial statements of the company.

Note 8. Commitments and Contingencies

Environmental Matters

The company is currently involved in various stages of investigation and remediation related to environmental matters. The company cannot predict all potential costs related to environmental remediation matters and the possible impact on future operations given the uncertainties regarding the extent of the required cleanup, the complexity and interpretation of applicable laws and regulations, the varying costs of alternative cleanup methods and the extent of the company's responsibility. Expenses for environmental remediation matters related to the costs of installing, operating and maintaining groundwater-treatment systems and other remedial activities related to historical environmental contamination at the company's domestic and international facilities were not material in any period presented. At July 1, 2023, there have been no material changes to the accruals for pending environmental-related matters disclosed in the company's 2022 financial statements and notes included in the company's Annual Report on Form 10-K. While management believes the accruals for environmental remediation are adequate based on current estimates of remediation costs, the company may be subject to additional remedial or compliance costs due to future events such as changes in existing laws and regulations, changes in agency direction or enforcement policies, developments in remediation technologies or changes in the conduct of the company's operations, which could have a material adverse effect on the company's financial position, results of operations and cash flows.

Litigation and Related Contingencies

The company is involved in various disputes, governmental and/or regulatory inspections, inquiries, investigations and proceedings, and litigation matters that arise from time to time in the ordinary course of business. The disputes and litigation matters include product liability, intellectual property, employment and commercial issues. Due to the inherent uncertainties associated with pending litigation or claims, the company cannot predict the outcome, nor, with respect to certain pending litigation or claims where no liability has been accrued, make a meaningful estimate of the reasonably possible loss or range of loss that could result from an unfavorable outcome. The company has no material accruals for pending litigation or claims for which accrual amounts are not disclosed in the company's 2022 financial statements and notes included in the company's Annual Report on Form 10-K, nor are material losses deemed probable for such matters. It is reasonably possible, however, that an unfavorable outcome that exceeds the company's current accrual estimate, if any, for one or more such matters could have a material adverse effect on the company's results of operations, financial position and cash flows.

Product Liability, Workers Compensation and Other Personal Injury Matters

The company is involved in various proceedings and litigation that arise from time to time in connection with product liability, workers compensation and other personal injury matters. At July 1, 2023, there have been no material changes to the accruals for pending product liability, workers compensation, and other personal injury matters disclosed in the company's 2022 financial statements and notes included in the company's Annual Report on Form 10-K. Although the company believes that the amounts accrued and estimated insurance recoveries are probable and appropriate based on available information, including actuarial studies of loss estimates, the process of estimating losses and insurance recoveries involves a considerable degree of judgment by management and the ultimate amounts could vary, which could have a material adverse effect on the company's results of operations, financial position, and cash flows. Insurance contracts do not relieve the company of its primary obligation with respect to any losses incurred. The collectability of amounts due from its insurers is subject to the solvency and willingness of the insurer to pay, as well as the legal sufficiency of the insurance claims. Management monitors the payment history as well as the financial condition and ratings of its insurers on an ongoing basis.

Note 9. Comprehensive Income/(Loss)

Changes in each component of accumulated other comprehensive income/(loss), net of tax, are as follows:

(In millions)	Currency translation adjustment	Unrealized losses on hedging instruments	Pension and other postretirement benefit liability adjustment	Total
Balance at December 31, 2022	$ (2,880)	$ (33)	$ (186)	$ (3,099)
Other comprehensive income/(loss) before reclassifications	169	—	—	169
Amounts reclassified from accumulated other comprehensive income/(loss)	4	4	(2)	6
Net other comprehensive income/(loss)	173	4	(2)	175
Balance at July 1, 2023	$ (2,707)	$ (29)	$ (188)	$ (2,924)

Note 10. Fair Value Measurements and Fair Value of Financial Instruments

Fair Value Measurements

The following tables present information about the company's financial assets and liabilities measured at fair value on a recurring basis:

(In millions)	July 1, 2023	Quoted prices in active markets (Level 1)	Significant other observable inputs (Level 2)	Significant unobservable inputs (Level 3)
Assets				
Cash equivalents	$ 810	$ 810	$ —	$ —
Investments	23	23	—	—
Warrants	11	—	11	—
Insurance contracts	192	—	192	—
Derivative contracts	7	—	7	—
Total assets	$ 1,043	$ 833	$ 210	$ —
Liabilities				
Derivative contracts	$ 16	$ —	$ 16	$ —
Contingent consideration	90	—	—	90
Total liabilities	$ 106	$ —	$ 16	$ 90

(In millions)	December 31, 2022	Quoted prices in active markets (Level 1)	Significant other observable inputs (Level 2)	Significant unobservable inputs (Level 3)
Assets				
Cash equivalents	$ 5,804	$ 5,804	$ —	$ —
Investments	25	25	—	—
Warrants	12	—	12	—
Insurance contracts	162	—	162	—
Derivative contracts	79	—	79	—
Total assets	$ 6,082	$ 5,829	$ 253	$ —
Liabilities				
Derivative contracts	$ 101	$ —	$ 101	$ —
Contingent consideration	174	—	—	174
Total liabilities	$ 275	$ —	$ 101	$ 174

The company uses the Black-Scholes model to value its warrants. The company determines the fair value of its insurance contracts by obtaining the cash surrender value of the contracts from the issuer. The fair value of derivative contracts is the estimated amount that the company would receive/pay upon liquidation of the contracts, taking into account the change in interest rates and currency exchange rates. The company initially measures the fair value of acquisition-related contingent consideration based on amounts expected to be transferred (probability-weighted) discounted to present value. Changes to the fair value of contingent consideration are recorded in selling, general and administrative expense.

In the six months ended July 1, 2023, the company recorded $44 million, of net losses on investments, which are included in other income/(expense) in the accompanying statements of income. In the three and six months ended July 2, 2022, the company recorded $17 million and $(122) million, respectively, of net gains (losses) on investments, which are included in other income/(expense) in the accompanying statements of income.

The following table provides a rollforward of the fair value, as determined by level 3 inputs (such as likelihood of achieving production or revenue milestones, as well as changes in the fair values of the investments underlying a recapitalization investment portfolio), of the contingent consideration.

	Three months ended		Six months ended	
(In millions)	July 1, 2023	July 2, 2022	July 1, 2023	July 2, 2022
Contingent consideration				
Beginning balance	$ 136	$ 261	$ 174	$ 317
Acquisitions (including assumed balances)	1	—	1	(18)
Payments	(43)	(2)	(58)	(32)
Changes in fair value included in earnings	(4)	(43)	(27)	(51)
Ending balance	$ 90	$ 216	$ 90	$ 216

Derivative Contracts

The following table provides the aggregate notional value of outstanding derivative contracts.

(In millions)	July 1, 2023	December 31, 2022
Notional amount		
Cross-currency interest rate swaps - designated as net investment hedges	$ 2,200	$ 2,100
Currency exchange contracts	1,500	2,434

While certain derivatives are subject to netting arrangements with counterparties, the company does not offset derivative assets and liabilities within the balance sheet. The following tables present the fair value of derivative instruments in the accompanying balance sheets and statements of income.

	Fair value – assets		Fair value – liabilities	
(In millions)	July 1, 2023	December 31, 2022	July 1, 2023	December 31, 2022
Derivatives designated as hedging instruments				
Cross-currency interest rate swaps (a)	$ 6	$ 77	$ 15	$ 85
Derivatives not designated as hedging instruments				
Currency exchange contracts (b)	1	2	1	16
Total derivatives	$ 7	$ 79	$ 16	$ 101

(a) The fair value of the cross-currency interest rate swaps is included in the accompanying balance sheet under the caption other assets or other long-term liabilities.
(b) The fair value of the currency exchange contracts is included in the accompanying balance sheet under the captions other current assets or other accrued expenses.

	Gain (loss) recognized			
	Three months ended		Six months ended	
(In millions)	July 1, 2023	July 2, 2022	July 1, 2023	July 2, 2022
Derivatives designated as cash flow hedges				
Interest rate swaps				
Amount reclassified from accumulated other comprehensive items to other income/(expense)	$ (1)	$ (1)	$ (5)	$ (2)
Financial instruments designated as net investment hedges				
Foreign currency-denominated debt and other payables				
Included in currency translation adjustment within other comprehensive items	(62)	671	(206)	1,033
Cross-currency interest rate swaps				
Included in currency translation adjustment within other comprehensive items	59	51	50	74
Included in other income/(expense)	16	4	33	6
Derivatives not designated as hedging instruments				
Currency exchange contracts				
Included in cost of product revenues	—	21	(3)	12
Included in other income/(expense)	(25)	13	(2)	12

Gains and losses recognized on currency exchange contracts are included in the accompanying statements of income together with the corresponding, offsetting losses and gains on the underlying hedged transactions.

The company uses foreign currency-denominated debt, certain foreign currency-denominated payables, and cross-currency interest rate swaps to partially hedge its net investments in foreign operations against adverse movements in exchange rates. A portion of the company's euro-denominated senior notes, certain foreign currency-denominated payables, and its cross-currency interest rate swaps have been designated as, and are effective as, economic hedges of part of the net investment in a foreign operation. Accordingly, foreign currency transaction gains or losses due to spot rate fluctuations on the euro-denominated debt instruments and certain foreign currency-denominated payables, and contract fair value changes on the cross-currency interest rate swaps, excluding interest accruals, are included in currency translation adjustment within other comprehensive items and shareholders' equity.

See Note 1 to the consolidated financial statements for 2022 included in the company's Annual Report on Form 10-K for additional information on the company's risk management objectives and strategies.

Fair Value of Other Financial Instruments

The carrying value and fair value of the company's debt instruments are as follows:

	July 1, 2023		December 31, 2022	
(In millions)	Carrying value	Fair value	Carrying value	Fair value
Senior notes	$ 33,230	$ 29,536	$ 33,889	$ 29,901
Commercial paper	500	500	310	310
Other	76	76	79	79
	$ 33,806	$ 30,112	$ 34,278	$ 30,290

The fair value of debt instruments was determined based on quoted market prices and on borrowing rates available to the company at the respective period ends, which represent level 2 measurements.

Note 11. Supplemental Cash Flow Information

	Six months ended	
(In millions)	July 1, 2023	July 2, 2022
Non-cash investing and financing activities		
Acquired but unpaid property, plant and equipment	$ 231	$ 234
Declared but unpaid dividends	137	119
Issuance of stock upon vesting of restricted stock units	97	107
Excise tax from stock repurchases	29	—

Cash, cash equivalents and restricted cash is included in the accompanying balance sheet as follows:

(In millions)	July 1, 2023	December 31, 2022
Cash and cash equivalents	$ 3,133	$ 8,524
Restricted cash included in other current assets	13	12
Restricted cash included in other assets	7	1
Cash, cash equivalents and restricted cash	$ 3,153	$ 8,537

Amounts included in restricted cash primarily represent funds held as collateral for bank guarantees and incoming cash in China awaiting government administrative clearance.

Note 12. Restructuring and Other Costs

In the first six months of 2023, restructuring and other costs primarily included continuing charges for headcount reductions and facility consolidations in an effort to streamline operations, impairment of long-lived assets, and, to a lesser extent, net charges for pre-acquisition litigation and other matters. In 2023, severance actions associated with facility consolidations and cost reduction measures affected approximately 3% of the company's workforce.

As of August 4, 2023, the company has identified restructuring actions that will result in additional charges of approximately $85 million, primarily in 2023, and expects to identify additional actions in future periods which will be recorded when specified criteria are met, such as communication of benefit arrangements or when the costs have been incurred.

Restructuring and other costs by segment are as follows:

(In millions)	Three months ended July 1, 2023	Six months ended July 1, 2023
Life Sciences Solutions	$ 20	$ 80
Analytical Instruments	23	23
Specialty Diagnostics	2	10
Laboratory Products and Biopharma Services	133	176
Corporate	5	6
	$ 183	$ 295

The following table summarizes the changes in the company's accrued restructuring balance, which is included in other accrued expenses in the accompanying balance sheet. Other amounts reported as restructuring and other costs in the accompanying statements of income have been summarized in the notes to the table.

(In millions)	Total (a)
Balance at December 31, 2022	$ 41
Net restructuring charges incurred in 2023 (b)	137
Payments	(80)
Balance at July 1, 2023	$ 98

(a) The movements in the restructuring liability principally consist of severance and other costs associated with facility consolidations.
(b) Excludes $158 million of net charges, principally $99 million of charges for impairment of long-lived assets in the Laboratory Products and Biopharma Services and Life Sciences Solutions segments, $26 million of contract termination costs associated with facility closures in the Laboratory Products and Biopharma Services segment, and, to a lesser extent, $18 million of net charges for pre-acquisition litigation and other matters.

The company expects to pay accrued restructuring costs primarily through 2023.

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

Forward-looking statements, within the meaning of Section 21E of the Securities Exchange Act of 1934 (the Exchange Act), are made throughout this Management's Discussion and Analysis of Financial Condition and Results of Operations. Any statements contained herein that are not statements of historical fact may be deemed to be forward-looking statements, including without limitation statements regarding: projections of revenues, expenses, earnings, margins, tax rates, tax provisions, cash flows, pension and benefit obligations and funding requirements, and our liquidity position; cost reductions, restructuring activities, new product and service developments, competitive strengths or market position, acquisitions or divestitures; growth, declines and other trends in markets we sell into; new or modified laws, regulations and accounting pronouncements; outstanding claims, legal proceedings, tax audits and assessments and other contingent liabilities; foreign currency exchange rates and fluctuations in those rates; general economic and capital markets conditions; the timing of any of the foregoing; assumptions underlying any of the foregoing; the COVID-19 pandemic; and any other statements that address events or developments that Thermo Fisher intends or believes will or may occur in the future. Without limiting the foregoing, the words "believes," "anticipates," "plans," "expects," "seeks," "estimates," and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements are accompanied by such words. While the company may elect to update forward-looking statements in the future, it specifically disclaims any obligation to do so, even if the company's estimates change, and readers should not rely on those forward-looking statements as representing the company's views as of any date subsequent to the date of the filing of this report.

A number of important factors could cause the results of the company to differ materially from those indicated by such forward-looking statements, including those detailed under the caption "Risk Factors" in the company's Annual Report on Form 10-K for the year ended December 31, 2022 (which is on file with the SEC). Important factors that could cause actual results to differ materially from those indicated by forward-looking statements include risks and uncertainties relating to: the COVID-19 pandemic; the need to develop new products and adapt to significant technological change; implementation of strategies for improving growth; general economic conditions and related uncertainties; dependence on customers' capital spending policies and government funding policies; the effect of economic and political conditions and exchange rate fluctuations on international operations; use and protection of intellectual property; the effect of changes in governmental regulations; any natural disaster, public health crisis or other catastrophic event; and the effect of laws and regulations governing government contracts, as well as the possibility that expected benefits related to recent or pending acquisitions may not materialize as expected.

The company refers to various amounts or measures not prepared in accordance with generally accepted accounting principles (non-GAAP measures). These non-GAAP measures are further described and reconciled to their most directly comparable amount or measure under the section "Non-GAAP Measures" later in this "Management's Discussion and Analysis of Financial Condition and Results of Operations."

Overview

Thermo Fisher Scientific Inc. enables customers to make the world healthier, cleaner and safer by helping them accelerate life sciences research, solve complex analytical challenges, increase laboratory productivity, and improve patient health through diagnostics and the development and manufacture of life-changing therapies. Markets served include pharmaceutical and biotech, academic and government, industrial and applied, as well as healthcare and diagnostics. The company's operations fall into four segments (Note 4): Life Sciences Solutions, Analytical Instruments, Specialty Diagnostics and Laboratory Products and Biopharma Services.

Consolidated Results

	Three months ended			Six months ended		
(Dollars in millions except per share amounts)	July 1, 2023	July 2, 2022	Change	July 1, 2023	July 2, 2022	Change
Revenues	$ 10,687	$ 10,970	(3) %	$ 21,397	$ 22,788	(6) %
GAAP operating income	1,578	2,001	(21) %	3,141	4,822	(35) %
GAAP operating income margin	14.8 %	18.2 %	(3.4) pt	14.7 %	21.2 %	(6.5) pt
Adjusted operating income *(non-GAAP measure)*	2,370	2,605	(9) %	4,700	6,055	(22) %
Adjusted operating income margin *(non-GAAP measure)*	22.2 %	23.7 %	(1.5) pt	22.0 %	26.6 %	(4.6) pt
GAAP diluted earnings per share attributable to Thermo Fisher Scientific Inc.	3.51	4.22	(17) %	6.83	9.83	(31) %
Adjusted earnings per share *(non-GAAP measure)*	5.15	5.51	(7) %	10.18	12.76	(20) %

Organic Revenue Growth

	Three months ended	Six months ended
	July 1, 2023	July 1, 2023
Revenue growth	(3)%	(6)%
Impact of acquisitions	1 %	1 %
Impact of currency translation	0 %	(1)%
Organic revenue growth* *(non-GAAP measure)*	(3)%	(6)%

* Results may not sum due to rounding

Since 2020, the Life Sciences Solutions and Specialty Diagnostics segments as well as the laboratory products business have supported COVID-19 diagnostic testing, scaling and evolving their molecular diagnostics solutions and plastic consumables businesses to respond to the COVID-19 pandemic. The biosciences and bioproduction businesses have expanded their capacity to meet the needs of pharma and biotech customers as they have expanded their own production volumes to meet global vaccine manufacturing requirements. Additionally, our pharma services business has provided our pharma and biotech customers with the services they needed to develop and produce vaccines and therapies globally. These positive impacts are expected to continue at much lower levels in 2023 as customer testing as well as therapy and vaccine demand declines. Sales of products related to COVID-19 testing were $0.08 billion and $0.63 billion in the second quarter of 2023 and 2022, respectively, and $0.22 billion and $2.31 billion in the first six months of 2023 and 2022, respectively.

During the second quarter of 2023, growth was flat from pharma and biotech customers driven by lower demand associated with COVID-19 vaccine and therapies, the impact on customers from a more challenging macroeconomic environment and the slow economic recovery in China. We saw very strong growth across the academic and government market with great customer adoption of our high-impact innovation. The industrial and applied market grew slightly, driven by continued strong demand for our analytical instruments serving our semiconductor and materials science customers, partially offset by the impact of a slow economic recovery in China. The diagnostics and healthcare market declined due to decreased demand for COVID-19 testing products. During the second quarter of 2023, sales growth in North America and Asia Pacific declined, while Europe grew slightly. Sales growth in all regions was impacted by decreased demand in 2023 for COVID-19 related products and the impact on customers from a more challenging macroeconomic environment. Asia Pacific was impacted by the slow economic recovery in China. Contributions to organic revenue during the second quarter of 2023 from the Laboratory Products and Biopharma Services and Analytical Instruments segments were more than offset by declines in the Life Sciences Solutions and Specialty Diagnostics segments.

During the first six months of 2023, we saw good demand from pharma and biotech customers driven by our trusted partner status, partially offset by the impact on customers from a more challenging macroeconomic environment. We saw broad based strength across the academic and government market. The industrial and applied market was strong, driven by continued strong demand for our analytical instruments serving our semiconductor and materials science customers. The diagnostics and healthcare market declined due to decreased demand for COVID-19 testing products. During the first six months of 2023, sales growth in all major regions declined due to decreased demand for COVID-19 related products. Contributions to organic revenue during the first six months of 2023 from the Laboratory Products and Biopharma Services and Analytical Instruments segments were more than offset by declines in the Life Sciences Solutions and Specialty Diagnostics segments.

The company continues to execute its proven growth strategy which consists of three pillars:

- High-impact innovation,
- Our trusted partner status with customers, and
- Our unparalleled commercial engine.

GAAP operating income margin and adjusted operating income margin decreased in the second quarter and first six months of 2023 due primarily to lower COVID-19 related revenue, strategic growth investments and effects of currency translation. This was partially offset by strong productivity improvements and strong pricing realization across all segments to address higher inflation. GAAP operating income margin in the second quarter and first six months of 2023 was also impacted by restructuring and other charges incurred for headcount reductions and facility consolidations in an effort to streamline operations and limit the impact of expected lower revenue (Note 9).

The company's references to strategic growth investments generally refer to targeted spending for enhancing commercial capabilities, including expansion of geographic sales reach and e-commerce platforms, marketing initiatives, expanded service and operational infrastructure, research and development projects and other expenditures to enhance the customer experience, as well as incentive compensation and recognition for employees. The company's references throughout this discussion to productivity improvements generally refer to improved cost efficiencies from its Practical Process Improvement (PPI) business system including reduced costs resulting from implementing continuous improvement methodologies, global sourcing

initiatives, a lower cost structure following restructuring actions including headcount reductions and consolidation of facilities, and low cost region manufacturing.

Notable Recent Acquisitions

On January 3, 2023, the company acquired, within the Specialty Diagnostics segment, The Binding Site Group, a U.K.-based provider of specialty diagnostic assays and instruments to improve the diagnosis and management of blood cancers and immune system disorders. The acquisition expands the segment's portfolio with the addition of pioneering innovation in diagnostics and monitoring for multiple myeloma.

Segment Results

The company's management evaluates segment operating performance using operating income before certain charges/credits as defined in Note 4 to the Consolidated Financial Statements of the company's Annual Report on Form 10-K for 2022. Accordingly, the following segment data are reported on this basis.

	Three months ended		Six months ended	
(Dollars in millions)	July 1, 2023	July 2, 2022	July 1, 2023	July 2, 2022
Revenues				
Life Sciences Solutions	$ 2,463	$ 3,292	$ 5,075	$ 7,523
Analytical Instruments	1,749	1,607	3,472	3,125
Specialty Diagnostics	1,109	1,101	2,217	2,583
Laboratory Products and Biopharma Services	5,831	5,537	11,594	10,979
Eliminations	(465)	(567)	(961)	(1,422)
Consolidated revenues	$ 10,687	$ 10,970	$ 21,397	$ 22,788

Life Sciences Solutions

	Three months ended					
(Dollars in millions)	July 1, 2023	July 2, 2022	Total Change	Currency Translation	Acquisitions/ Divestitures	Organic* *(non-GAAP measure)*
Revenues	$ 2,463	$ 3,292	(25)%	0 %	0 %	(25)%
Segment income	817	1,327	(38)%			
Segment income margin	33.2 %	40.3 %	-7.1 pt			

The decrease in organic revenues in the second quarter of 2023 was primarily due to moderation in COVID-19 related revenue and, to a lesser extent, the impact on customers from a more challenging macroeconomic environment. The decrease in segment income margin resulted primarily from significantly lower COVID-19 related revenue and business mix. These decreases were partially offset by very strong productivity improvements.

	Six months ended					
(Dollars in millions)	July 1, 2023	July 2, 2022	Total Change	Currency Translation	Acquisitions/ Divestitures	Organic* *(non-GAAP measure)*
Revenues	$ 5,075	$ 7,523	(33)%	(1)%	0 %	(31)%
Segment income	1,653	3,503	(53)%			
Segment income margin	32.6 %	46.6 %	-14.0 pt			

The decrease in organic revenues in the first six months of 2023 was primarily due to moderation in COVID-19 related revenue and, to a lesser extent, the impact on customers from a more challenging macroeconomic environment. The decrease in segment income margin resulted primarily from significantly lower COVID-19 related revenue and business mix, partially offset by very strong productivity improvements.

Analytical Instruments

(Dollars in millions)	Three months ended July 1, 2023	July 2, 2022	Total Change	Currency Translation	Acquisitions/ Divestitures	Organic* *(non-GAAP measure)*
Revenues	$ 1,749	$ 1,607	9 %	(1)%	0 %	10 %
Segment income	432	344	26 %			
Segment income margin	24.7 %	21.4 %	3.3 pt			

The increase in organic revenues in the second quarter of 2023 was driven by increased demand across each of the segment's businesses, with particular strength in the electron microscopy business. The increase in segment income margin resulted primarily from very strong productivity improvements, strong volume and business mix, offset in part by strategic growth investments and effects of currency translation.

(Dollars in millions)	Six months ended July 1, 2023	July 2, 2022	Total Change	Currency Translation	Acquisitions/ Divestitures	Organic* *(non-GAAP measure)*
Revenues	$ 3,472	$ 3,125	11 %	(2)%	0 %	13 %
Segment income	853	645	32 %			
Segment income margin	24.6 %	20.6 %	4.0 pt			

The increase in organic revenues in the first six months of 2023 was due to increased demand across all the segment's businesses, with particular strength in the chromatography and mass spectrometry and electron microscopy businesses. The increase in segment income margin resulted primarily from strong volume, business mix, and very strong productivity improvements, offset in part by strategic growth investments and effects of currency translation.

Specialty Diagnostics

(Dollars in millions)	Three months ended July 1, 2023	July 2, 2022	Total Change	Currency Translation	Acquisitions/ Divestitures	Organic* *(non-GAAP measure)*
Revenues	$ 1,109	$ 1,101	1 %	0 %	6 %	(5)%
Segment income	297	243	22 %			
Segment income margin	26.7 %	22.1 %	4.6 pt			

The decrease in organic revenues in the second quarter of 2023 was due to decreased demand, primarily driven by products addressing diagnosis of COVID-19, offset in part by underlying growth in the microbiology, immunodiagnostics and transplant diagnostics businesses. The impact of lower COVID-19 testing volume on segment income margin was more than offset by business mix and very strong productivity improvements.

(Dollars in millions)	Six months ended July 1, 2023	July 2, 2022	Total Change	Currency Translation	Acquisitions/ Divestitures	Organic* *(non-GAAP measure)*
Revenues	$ 2,217	$ 2,583	(14)%	(1)%	5 %	(18)%
Segment income	577	596	(3)%			
Segment income margin	26.0 %	23.1 %	2.9 pt			

The decrease in organic revenues in the first six months of 2023 was due to decreased demand, primarily driven by products addressing diagnosis of COVID-19, partially offset by underlying growth in the immunodiagnostics and transplant diagnostics businesses. The impact of lower COVID-19 testing volume on segment income margin was more than offset by business mix and very strong productivity improvements.

Laboratory Products and Biopharma Services

(Dollars in millions)	Three months ended July 1, 2023	July 2, 2022	Total Change	Currency Translation	Acquisitions/ Divestitures	Organic* *(non-GAAP measure)*
Revenues	$ 5,831	$ 5,537	5 %	0 %	0 %	5 %
Segment income	824	691	19 %			
Segment income margin	14.1 %	12.5 %	1.6 pt			

The increase in organic revenues in the second quarter of 2023 was primarily due to higher sales in the clinical research and pharma services businesses. The increase in segment income margin was primarily due to very strong productivity improvements, partially offset by effects of currency translation and strategic growth investments.

(Dollars in millions)	Six months ended July 1, 2023	July 2, 2022	Total Change	Currency Translation	Acquisitions/ Divestitures	Organic* *(non-GAAP measure)*
Revenues	$ 11,594	$ 10,979	6 %	(1)%	0 %	6 %
Segment income	1,617	1,311	23 %			
Segment income margin	14.0 %	11.9 %	2.1 pt			

The increase in organic revenues in the first six months of 2023 was primarily due to higher sales in the pharma services and clinical research businesses. The increase in segment income margin was primarily due to very strong productivity improvements.

* Results may not sum due to rounding

Non-operating Items

(Dollars and shares in millions)	Three months ended July 1, 2023	July 2, 2022	Six months ended July 1, 2023	July 2, 2022
Net interest expense	$ 148	$ 112	$ 302	$ 230
GAAP other income/(expense)	—	28	(46)	(135)
Adjusted other income/(expense) *(non-GAAP measure)*	(1)	10	(1)	14
GAAP tax rate	3.6 %	10.4 %	3.5 %	11.2 %
Adjusted tax rate *(non-GAAP measure)*	10.0 %	13.0 %	10.0 %	13.6 %
Weighted average diluted shares	388	394	388	394

Net interest expense (interest expense less interest income) increased due primarily to the company's capital deployment initiatives, which included financing stock buybacks and the acquisition of The Binding Site Group (Note 2). See additional discussion under the caption "Liquidity and Capital Resources" below.

GAAP other income/(expense) and adjusted other income/(expense) includes currency transaction gains, losses on non-operating monetary assets and liabilities, and net periodic pension benefit cost/income, excluding the service cost component. GAAP other income/(expense) in the first six months of 2023 also includes $43 million of net losses on investments. GAAP other income/(expense) in the second quarter and first six months of 2022 also includes $18 million and $(123) million, respectively, of net gains/(losses) on investments. GAAP other income/expense in the first six months of 2022 also includes $26 million of losses on the early extinguishment of debt (Note 7).

The company's GAAP and adjusted tax rates decreased in 2023 compared to 2022 primarily due to tax planning initiatives, including a tax benefit of $91 million, net of related tax expenses, from a foreign exchange loss on an intercompany debt refinancing transaction in the second quarter of 2023, as well as a $144 million tax benefit resulting from a capital loss generated in the first quarter of 2023 as part of an intra-entity transaction. The GAAP and adjusted tax rates in 2023 were also impacted, to a lesser extent, by a decrease in pre-tax earnings compared to 2022. The company's GAAP and adjusted tax rates in 2022 were impacted by releases of valuation allowances of $88 million and $175 million in the second quarter and first six months of 2022, respectively, in jurisdictions where the deferred tax assets are now expected to be realized.

The effective tax rates in both 2023 and 2022 were also affected by relatively significant earnings in lower tax jurisdictions. Due primarily to the non-deductibility of intangible asset amortization for tax purposes, the company's cash payments for income taxes are higher than its income tax expense for financial reporting purposes and are expected to total approximately $1.40 billion in 2023.

The company expects its GAAP effective tax rate in 2023 will be between 5% and 7% based on currently forecasted rates of profitability in the countries in which the company conducts business and expected generation of foreign tax credits. The effective tax rate can vary significantly from period to period as a result of discrete income tax factors and events. The company expects its adjusted tax rate will be approximately 10% in 2023.

The company has operations and a taxable presence in approximately 70 countries outside the U.S. Some of these countries have lower tax rates than the U.S. The company's ability to obtain a benefit from lower tax rates outside the U.S. is dependent on its relative levels of income in countries outside the U.S. and on the statutory tax rates in those countries. Based on the dispersion of the company's non-U.S. income tax provision among many countries, the company believes that a change in the statutory tax rate in any individual country is not likely to materially affect the company's income tax provision or net income, aside from any resulting one-time adjustment to the company's deferred tax balances to reflect a new rate.

Weighted average diluted shares decreased in 2023 compared to 2022 due to share repurchases, net of option dilution.

Liquidity and Capital Resources

The company's proven growth strategy has enabled it to generate free cash flow as well as access the capital markets. The company deploys its capital primarily via mergers and acquisitions and secondarily via share buybacks and dividends.

(In millions)	July 1, 2023	December 31, 2022
Cash and cash equivalents	$ 3,133	$ 8,524
Total debt	34,008	34,488

Approximately half of the company's cash balances and cash flows from operations are from outside the U.S. The company uses its non-U.S. cash for needs outside of the U.S. including acquisitions, capacity expansion, and repayment of third-party foreign debt by foreign subsidiaries. In addition, the company also transfers cash to the U.S. using non-taxable returns of capital as well as dividends where the related U.S. dividend received deduction or foreign tax credit equals any tax cost arising from the dividends. As a result of using such means of transferring cash to the U.S., the company does not expect any material adverse liquidity effects from its significant non-U.S. cash balances for the foreseeable future.

The company believes that its existing cash and cash equivalents and its future cash flow from operations together with available borrowing capacity under its revolving credit agreement will be sufficient to meet the cash requirements of its existing businesses for the foreseeable future, including at least the next 24 months.

As of July 1, 2023, the company's short-term debt totaled $4.81 billion. The company has a revolving credit facility with a bank group that provides up to $5.00 billion of unsecured multi-currency revolving credit (Note 7). If the company borrows under this facility, it intends to leave undrawn an amount equivalent to outstanding commercial paper to provide a source of funds in the event that commercial paper markets are not available. As of July 1, 2023, no borrowings were outstanding under the company's revolving credit facility, although available capacity was reduced by immaterial outstanding letters of credit.

	Six months ended	
(In millions)	July 1, 2023	July 2, 2022
Net cash provided by operating activities	$ 2,269	$ 3,730
Net cash used in investing activities	(3,585)	(1,089)
Net cash used in financing activities	(4,049)	(5,050)
Free cash flow *(non-GAAP measure)*	1,537	2,598

Operating Activities

During the first six months of 2023, cash provided by income was offset in part by investments in working capital. Changes in other assets and other liabilities used cash of $1.50 billion primarily due to the timing of payments for compensation and income taxes. A decrease in accounts payable used cash of $0.87 billion. Cash payments for income taxes were $0.78 billion during the first six months of 2023.

During the first six months of 2022, cash provided by income was offset in part by investments in working capital. An increase in inventories used cash of $0.87 billion, primarily to support growth in sales. Changes in other assets and other liabilities used cash of $0.74 billion primarily due to the timing of payments for compensation. Cash payments for income taxes were $0.83 billion during the first six months of 2022.

Investing Activities

During the first six months of 2023, acquisitions used cash of $2.75 billion. The company's investing activities also included purchases of $0.74 billion of property, plant and equipment for capacity and capability investments.

During the first six months of 2022, acquisitions used cash of $0.04 billion. The company's investing activities also included purchases of $1.15 billion of property, plant and equipment for capacity and capability investments.

The company expects that for all of 2023, expenditures for property, plant and equipment, net of disposals, will be approximately $1.7 billion.

Financing Activities

During the first six months of 2023, repayment of senior notes used cash of $1.00 billion. The company's financing activities also included the repurchase of $3.00 billion of the company's common stock (5.2 million shares) and the payment of $0.25 billion in cash dividends. On November 10, 2022, the Board of Directors authorized the repurchase of up to $4.00 billion of the company's common stock. All of the shares of common stock repurchased by the company during the first quarter of 2023 were under this program. At August 4, 2023, authorization remained for $1.00 billion of future repurchases of the company's common stock.

During the first six months of 2022, repayment of senior notes and net commercial paper activity used cash of $0.38 billion and $2.46 billion, respectively. The company's financing activities also included the repurchase of $2.00 billion of the company's common stock (3.3 million shares) and the payment of $0.22 billion in cash dividends.

The company's commitments for purchases of property, plant and equipment, contractual obligations and other commercial commitments did not change materially subsequent to July 1, 2023, except for the agreement to acquire CorEvitas, LLC.

Non-GAAP Measures

In addition to the financial measures prepared in accordance with generally accepted accounting principles (GAAP), we use certain non-GAAP financial measures such as organic revenue growth, which is reported revenue growth, excluding the impacts of revenues from acquired/divested businesses and the effects of currency translation. We report organic revenue growth because Thermo Fisher management believes that in order to understand the company's short-term and long-term financial trends, investors may wish to consider the impact of acquisitions/divestitures and foreign currency translation on revenues. Thermo Fisher management uses organic revenue growth to forecast and evaluate the operational performance of the company as well as to compare revenues of current periods to prior periods.

We report adjusted operating income, adjusted operating income margin, adjusted other income/(expense), adjusted tax rate, and adjusted EPS. We believe that the use of these non-GAAP financial measures, in addition to GAAP financial measures, helps investors to gain a better understanding of our core operating results and future prospects, consistent with how management measures and forecasts the company's core operating performance, especially when comparing such results to previous periods, forecasts, and to the performance of our competitors. Such measures are also used by management in their financial and operating decision-making and for compensation purposes. To calculate these measures we exclude, as applicable:

- Certain acquisition-related costs, including charges for the sale of inventories revalued at the date of acquisition, significant transaction/acquisition-related costs, including changes in estimates of contingent acquisition-related consideration, and other costs associated with obtaining short-term financing commitments for pending/recent acquisitions. We exclude these costs because we do not believe they are indicative of our normal operating costs.
- Costs/income associated with restructuring activities and large-scale abandonments of product lines, such as reducing overhead and consolidating facilities. We exclude these costs because we believe that the costs related to restructuring activities and large-scale abandonment of product lines are not indicative of our normal operating costs.
- Equity in earnings/losses of unconsolidated entities; impairments of long-lived assets; and certain other gains and losses that are either isolated or cannot be expected to occur again with any predictability, including gains/losses on investments, the sale of businesses, product lines, and real estate, significant litigation-related matters, curtailments/settlements of pension plans, and the early retirement of debt. We exclude these items because they are outside of our normal operations and/or, in certain cases, are difficult to forecast accurately for future periods.
- The expense associated with the amortization of acquisition-related intangible assets because a significant portion of the purchase price for acquisitions may be allocated to intangible assets that have lives of up to 20 years. Exclusion of the amortization expense allows comparisons of operating results that are consistent over time for both our newly acquired and long-held businesses and with both acquisitive and non-acquisitive peer companies.

- The tax impacts of the above items and the impact of significant tax audits or events (such as changes in deferred taxes from enacted tax rate/law changes), the latter of which we exclude because they are outside of our normal operations and difficult to forecast accurately for future periods.

We report free cash flow, which is operating cash flow excluding net capital expenditures, to provide a view of the continuing operations' ability to generate cash for use in acquisitions and other investing and financing activities. The company also uses this measure as an indication of the strength of the company. Free cash flow is not a measure of cash available for discretionary expenditures since we have certain non-discretionary obligations such as debt service that are not deducted from the measure.

The non-GAAP financial measures of the company's results of operations and cash flows included in this Form 10-Q are not meant to be considered superior to or a substitute for the company's results of operations prepared in accordance with GAAP. Reconciliations of such non-GAAP financial measures to the most directly comparable GAAP financial measures are set forth within the "Overview" and "Results of Operations" sections and below.

	Three months ended		Six months ended	
(Dollars in millions except per share amounts)	July 1, 2023	July 2, 2022	July 1, 2023	July 2, 2022
Reconciliation of adjusted operating income				
GAAP operating income	$ 1,578	$ 2,001	$ 3,141	$ 4,822
Cost of revenues adjustments (a)	18	8	59	19
Selling, general and administrative expenses adjustments (b)	6	(28)	14	(21)
Restructuring and other costs (c)	183	24	295	26
Amortization of acquisition-related intangible assets	585	600	1,191	1,209
Adjusted operating income *(non-GAAP measure)*	$ 2,370	$ 2,605	$ 4,700	$ 6,055
Reconciliation of adjusted operating income margin				
GAAP operating income margin	14.8 %	18.2 %	14.7 %	21.2 %
Cost of revenues adjustments (a)	0.2 %	0.1 %	0.3 %	0.1 %
Selling, general and administrative expenses adjustments (b)	0.1 %	(0.3)%	0.1 %	(0.1)%
Restructuring and other costs (c)	1.7 %	0.2 %	1.4 %	0.1 %
Amortization of acquisition-related intangible assets	5.4 %	5.5 %	5.5 %	5.3 %
Adjusted operating income margin (*non-GAAP measure)*	22.2 %	23.7 %	22.0 %	26.6 %
Reconciliation of adjusted other income/(expense)				
GAAP other income/(expense)	$ —	$ 28	$ (46)	$ (135)
Adjustments (d)	(1)	(18)	45	149
Adjusted other income/(expense) *(non-GAAP measure)*	$ (1)	$ 10	$ (1)	$ 14
Reconciliation of adjusted tax rate				
GAAP tax rate	3.6 %	10.4 %	3.5 %	11.2 %
Adjustments (e)	6.4 %	2.6 %	6.5 %	2.4 %
Adjusted tax rate *(non-GAAP measure)*	10.0 %	13.0 %	10.0 %	13.6 %
Reconciliation of adjusted earnings per share				
GAAP diluted earnings per share (EPS) attributable to Thermo Fisher Scientific Inc.	$ 3.51	$ 4.22	$ 6.83	$ 9.83
Cost of revenues adjustments (a)	0.05	0.02	0.15	0.05
Selling, general and administrative expenses adjustments (b)	0.01	(0.07)	0.03	(0.05)
Restructuring and other costs (c)	0.47	0.06	0.76	0.06
Amortization of acquisition-related intangible assets	1.51	1.52	3.07	3.06
Other income/expense adjustments (d)	—	(0.05)	0.11	0.38
Provision for income taxes adjustments (e)	(0.44)	(0.32)	(0.88)	(0.75)
Equity in earnings/losses of unconsolidated entities	0.04	0.13	0.11	0.18
Adjusted EPS *(non-GAAP measure)*	$ 5.15	$ 5.51	$ 10.18	$ 12.76

(Dollars in millions except per share amounts)	Three months ended July 1, 2023	Three months ended July 2, 2022	Six months ended July 1, 2023	Six months ended July 2, 2022
Reconciliation of free cash flow				
GAAP net cash provided by operating activities	$ 1,540	$ 1,528	$ 2,269	$ 3,730
Purchases of property, plant and equipment	(284)	(506)	(742)	(1,146)
Proceeds from sale of property, plant and equipment	4	12	10	14
Free cash flow *(non-GAAP measure)*	$ 1,260	$ 1,034	$ 1,537	$ 2,598

(a) Adjusted results in 2023 and in 2022 exclude charges for the sale of inventories revalued at the date of acquisition. Adjusted results in the second quarter and first six months of 2023 also exclude $2 million and $33 million, respectively, of inventory write-downs associated with large-scale abandonment of product lines. Adjusted results in the second quarter of 2023 also excludes $5 million of accelerated depreciation on manufacturing assets to be abandoned due to facility consolidations.

(b) Adjusted results in 2023 and 2022 exclude certain third-party expenses, principally transaction/integration costs related to recent acquisitions and charges/credits for changes in estimates of contingent acquisition consideration.

(c) Adjusted results in 2023 and 2022 exclude restructuring and other costs consisting principally of severance, impairments of long-lived assets, abandoned facility and other expenses of headcount reductions and real estate consolidations. Adjusted results in the second quarter of 2023 also exclude $26 million of contract termination costs associated with facility closures. Adjusted results in the first six months of 2023 also exclude $18 million of net charges for pre-acquisition litigation and other matters.

(d) Adjusted results in 2023 and 2022 exclude net gains/losses on investments. Adjusted results in 2022 also exclude $26 million of losses on the early extinguishment of debt.

(e) Adjusted provision for income taxes in 2023 and 2022 excludes incremental tax impacts for the reconciling items between GAAP and adjusted net income, incremental tax impacts as a result of tax rate/law changes and the tax impacts from audit settlements.

Critical Accounting Policies and Estimates

Management's Discussion and Analysis and Note 1 to the Consolidated Financial Statements of the company's Annual Report on Form 10-K for 2022 describe the significant accounting estimates and policies used in preparation of the consolidated financial statements. There have been no significant changes in the company's critical accounting policies during the first six months of 2023.

Recent Accounting Pronouncements

A description of recently issued accounting standards is included under the heading "*Recent Accounting Pronouncements*" in Note 1.

Item 3. Quantitative and Qualitative Disclosures About Market Risk

The company's exposure to market risk from changes in interest rates and currency exchange rates has not changed materially from its exposure discussed in the company's Annual Report on Form 10-K for the year ended December 31, 2022.

Item 4. Controls and Procedures

Management's Evaluation of Disclosure Controls and Procedures

The company's management, with the participation of the company's chief executive officer and chief financial officer, has evaluated the effectiveness of the company's disclosure controls and procedures (as such term is defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act) as of the end of the period covered by this report. Management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving their objectives, and management necessarily applies its judgment in evaluating the cost-benefit relationship of possible controls and procedures. Based on such evaluation, the company's chief executive officer and chief financial officer concluded that, as of the end of such period, the company's disclosure controls and procedures were effective at the reasonable assurance level.

Changes in Internal Control over Financial Reporting

There have been no changes in the company's internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) during the fiscal quarter ended July 1, 2023, that have materially affected or are reasonably likely to materially affect the company's internal control over financial reporting.

PART II OTHER INFORMATION

Item 1. Legal Proceedings

There are various lawsuits and claims against the company involving product liability, intellectual property, employment and commercial issues. See Note 8 to our Condensed Consolidated Financial Statements under the heading "*Commitments and Contingencies*."

Item 1A. Risk Factors

The risks that we believe are material to our investors are discussed in the company's Annual Report on Form 10-K for the year ended December 31, 2022 under the caption "Risk Factors," which is on file with the SEC.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

Issuer Purchases of Equity Securities

There was no share repurchase activity for the company's second quarter of 2023. On November 10, 2022, the Board of Directors authorized the repurchase of up to $4.00 billion of the company's common stock. At July 1, 2023, $1.00 billion was available for future repurchases of the company's common stock under this authorization.

Item 5. Other Information

Director and Officer Trading Arrangements

None of our directors or officers adopted or terminated a Rule 10b5-1 trading arrangement or a non-Rule 10b5-1 trading arrangement (as defined in Item 408(c) of Regulation S-K) during the quarterly period covered by this report.

Item 6. Exhibits

Exhibit Number	Description of Exhibit
10.1	Form of Thermo Fisher Scientific Inc.'s Restricted Stock Unit Agreement for Directors.*
31.1	Certification of Chief Executive Officer required by 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 Exchange Act Rules 13a-14(a) and 15d-14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
32.1	Certification of Chief Executive Officer required by Exchange Act Rules 13a-14(b) and 15d-14(b), as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.**
32.2	Certification of Chief Financial Officer required by Exchange Act Rules 13a-14(b) and 15d-14(b), as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.**
101.INS	XBRL Instance Document - the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document.
101.SCH	XBRL Taxonomy Extension Schema Document.
101.CAL	XBRL Taxonomy Calculation Linkbase Document.
101.DEF	XBRL Taxonomy Definition Linkbase Document.
101.LAB	XBRL Taxonomy Label Linkbase Document.
101.PRE	XBRL Taxonomy Presentation Linkbase Document.
104	Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101).
	The Registrant agrees, pursuant to Item 601(b)(4)(iii)(A) of Regulation S-K, to furnish to the Commission, upon request, a copy of each instrument with respect to long-term debt of the Registrant or its consolidated subsidiaries.

* Indicates management contract or compensatory plan, contract or arrangement.

** Certification is not deemed "filed" for purposes of Section 18 of the Exchange Act or otherwise subject to the liability of that section. Such certification is not deemed to be incorporated by reference into any filing under the Securities Act or the Exchange Act except to the extent that the registrant specifically incorporates it by reference.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Date: August 4, 2023

THERMO FISHER SCIENTIFIC INC.

/s/ Stephen Williamson

Stephen Williamson
Senior Vice President and Chief Financial Officer

/s/ Joseph R. Holmes

Joseph R. Holmes
Vice President and Chief Accounting Officer

THERMO FISHER SCIENTIFIC INC.

RESTRICTED STOCK UNIT AGREEMENT

Granted Under
the Amended and Restated 2013 Stock Incentive Plan

1. Award of Restricted Stock Units.

This agreement (the "Agreement") sets forth the terms and conditions of an award by Thermo Fisher Scientific Inc., a Delaware corporation, on _____, 202__ (the "Award Date") to _____ (the "Participant") of _____ restricted stock units of the Company (individually, an "RSU" and collectively, the "RSUs"). Each RSU represents the right to receive one share of common stock, $1.00 par value, of the Company ("Common Stock") pursuant to the terms, conditions and restrictions set forth in this Agreement and in the Company's Amended and Restated 2013 Stock Incentive Plan, as from time to time amended (the "Plan"). The shares of Common Stock that are issuable in connection with the RSUs are referred to in this agreement as Shares. Capitalized terms used in this Agreement and not otherwise defined shall have the same meaning as in the Plan.

2. Time-Based Vesting.

Except as otherwise provided in paragraphs (b) and (c) of Section 3 and the Plan, the RSUs shall vest on the earlier of (i) the first anniversary of the Award Date or (ii) the date of the annual meeting of the stockholders of the Company in the year following the Award Date (the earlier of such dates, the "Vesting Date"); provided that on such Vesting Date, the Participant is, and has been at all times since the Award Date, a director of the Company.

3. Additional Vesting Provisions.

(a) Termination of Relationship with the Company. In the event that the Participant ceases to be a director of the Company for any reason not described in paragraphs (b) or (c) below prior to the Vesting Date, RSUs shall be immediately forfeited to the Company.

(b) Death. In the event that the Participant's service with the Company is terminated by reason of death prior to the Vesting Date, the RSUs shall vest 100% upon the date of such death.

(c) Change in Control Event. In the event that the Participant's service as a director ceases within one year after a Change in Control Event that occurs prior to the Vesting Date, the RSUs shall vest 100% upon the date of such cessation.

4. Delivery of Shares

(a) The Company shall deliver the Shares that become issuable pursuant to an RSU within the sixty-day period following the date the RSUs vest pursuant to Sections 2 or 3 above.

(b) The Company shall not be obligated to deliver Shares to the Participant unless the issuance and delivery of such Shares shall comply with all relevant provisions of law and other legal requirements including, without limitation, any applicable federal, state or foreign securities or exchange control laws and the requirements of any stock exchange upon which shares of Common Stock may then be listed.

5. Restrictions on Transfer.

The Participant shall not sell, assign, transfer, pledge, hypothecate or otherwise dispose of, by operation of law or otherwise (collectively "transfer") any RSUs, or any interest therein, except by will or the laws of descent and distribution.

6. Provisions of the Plan.

This Agreement is subject to the provisions of the Plan, a copy of which is furnished to the Participant with this Agreement.

7. Dividends; Other Corporate Transactions.

(a) If at any time during the period between the Award Date and the date that Shares are delivered after the RSU vests, the Company pays a dividend or other distribution with respect to its Common Stock, including without limitation a distribution of shares of the Company's stock by reason of a stock dividend, stock split or otherwise, then on the date the Shares issuable upon vesting of the RSU are delivered, the Company shall pay the Participant, at the time of delivery of Shares pursuant to Section 4, the dividend or other distribution that would have been paid on such Shares if the Participant had owned such Shares during the period beginning on the Award Date and ending on the respective delivery date. No dividend or other distribution shall be paid with respect to RSUs that are forfeited.

(b) In the event of a Reorganization Event, then the rights of the Company under this Agreement and all other terms of this Agreement (including without limitation vesting provisions) shall inure to the benefit of the Company's successor and shall apply to the cash, securities or other property which the Common Stock was converted into or exchanged for pursuant to such Reorganization Event in the same manner and to the same extent as they applied to the Shares. Such cash, securities or other property shall be delivered or paid at the time provided in Section 4.

(c) Except as set forth in Section 7(a) or (b) above and in the Plan, neither the Participant nor any person claiming under or through the Participant shall be, or have any rights

or privileges of, a stockholder of the Company in respect of the Shares issuable pursuant to the RSUs granted hereunder until the Shares have been delivered to the Participant.

8. Governing Law. This Agreement shall be governed by and interpreted in accordance with the laws of the State of Delaware without regard to any applicable conflicts of laws.

9. Unfunded Rights. The right of the Participant to receive Common Stock pursuant to this Agreement is an unfunded and unsecured obligation of the Company. The Participant shall have no rights under this Agreement other than those of an unsecured general creditor of the Company.

10. Compliance with Section 409A of the Code. To the extent the Participant is a U.S. taxpayer, this Agreement is intended to provide for payments that are exempt from or compliant with Section 409A. Accordingly, a Participant shall have no right to designate the taxable year of payment. Notwithstanding any other provision of this Agreement, if and to the extent any portion of any payment under this Agreement to the Participant is deferred compensation payable upon his or her separation from service and the Participant is a specified employee as defined in Section 409A(a)(2)(B)(i), as determined by the Company in accordance with its procedures, by which determination the Participant (through accepting the Award) agrees that he or she is bound, such portion of the payment, compensation or other benefit shall not be paid before the day that is six months plus one day after the date of "separation from service", except as Section 409A may then permit.

The Company makes no representations or warranties and shall have no liability to the Participant or any other person if any provisions of or payments, compensation or other benefits under this Agreement are determined to constitute nonqualified deferred compensation subject to Section 409A but do not to satisfy the conditions of that section.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

THERMO FISHER SCIENTIFIC INC.

By: _____

Title: _____

Address: _____

_____

_____

[Name of Participant]

Address: _____

_____

Exhibit 31.1

THERMO FISHER SCIENTIFIC INC.

CERTIFICATION REQUIRED BY EXCHANGE ACT RULES 13a-14(a) and 15d-14(a),
AS ADOPTED PURSUANT TO
SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Marc N. Casper, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Thermo Fisher Scientific Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 4, 2023

/s/ Marc N. Casper

Marc N. Casper
Chairman, President and Chief Executive Officer

Exhibit 31.2

THERMO FISHER SCIENTIFIC INC.

CERTIFICATION REQUIRED BY EXCHANGE ACT RULES 13a-14(a) and 15d-14(a),
AS ADOPTED PURSUANT TO
SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Stephen Williamson, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Thermo Fisher Scientific Inc.;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 4, 2023

/s/ Stephen Williamson

Stephen Williamson
Senior Vice President and Chief Financial Officer

Exhibit 32.1

THERMO FISHER SCIENTIFIC INC.

CERTIFICATION REQUIRED BY EXCHANGE ACT RULES 13a-14(b) and 15d-14(b),
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report on Form 10-Q of Thermo Fisher Scientific Inc. (the "Company") for the period ended July 1, 2023 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), the undersigned, Marc N. Casper, Chairman, President and Chief Executive Officer of the Company, hereby certifies, pursuant to Securities Exchange Act of 1934 Rules 13a-14(b) and 15d-14(b), that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Dated: August 4, 2023

/s/ Marc N. Casper

Marc N. Casper
Chairman, President and Chief Executive Officer

A signed original of this written statement required by Section 906, or other document authenticating, acknowledging, or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by Section 906, has been provided to Thermo Fisher Scientific Inc. and will be retained by Thermo Fisher Scientific Inc. and furnished to the Securities and Exchange Commission or its staff upon request.

Exhibit 32.2

THERMO FISHER SCIENTIFIC INC.

CERTIFICATION REQUIRED BY EXCHANGE ACT RULES 13a-14(b) and 15d-14(b),
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report on Form 10-Q of Thermo Fisher Scientific Inc. (the "Company") for the period ended July 1, 2023 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), the undersigned, Stephen Williamson, Senior Vice President and Chief Financial Officer of the Company, hereby certifies, pursuant to Securities Exchange Act of 1934 Rules 13a-14(b) and 15d-14(b), that:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Dated: August 4, 2023

/s/ Stephen Williamson

Stephen Williamson
Senior Vice President and Chief Financial Officer

A signed original of this written statement required by Section 906, or other document authenticating, acknowledging, or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by Section 906, has been provided to Thermo Fisher Scientific Inc. and will be retained by Thermo Fisher Scientific Inc. and furnished to the Securities and Exchange Commission or its staff upon request.