THERMO FISHER SCIENTIFIC INC. Form 424B5
August 07, 2017
Table of Contents

Filed Pursuant to Rule 424(b)(5) File No. 333-209867

The information in this preliminary prospectus supplement is not complete and may be changed. This preliminary prospectus supplement and the accompanying prospectus are not an offer to sell these securities and are not soliciting an offer to buy these securities in any jurisdiction where the offer or sale is not permitted.

Subject to Completion, dated August 7, 2017

PROSPECTUS SUPPLEMENT

(To prospectus dated August 1, 2016)

\$1,500,000,000

Thermo Fisher Scientific Inc.

Common Stock

We are offering shares of our common stock in this offering.

Our common stock is traded on the New York Stock Exchange under the symbol TMO. On August 4, 2017, the closing price of our common stock on the New York Stock Exchange was \$176.33 per share.

We have granted the underwriters an option for a period of 30 days from the date of this prospectus supplement to purchase from us up to \$225,000,000 of additional shares of our common stock at the public offering price, less the underwriting discount.

Investing in our common stock involves risks. See <u>Risk Factors</u> beginning on page S-5 and in the documents incorporated by reference in the accompanying prospectus.

	Per Share	Total
Public offering price	\$	\$
Underwriting discount	\$	\$
Proceeds, before expenses, to Thermo Fisher Scientific Inc.	\$	\$

Neither the Securities and Exchange Commission (SEC) nor any state securities commission has approved or disapproved of these securities or determined if this prospectus supplement or the accompanying prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

The underwriters expect to deliver the shares against payment in New York, New York on or about

, 2017.

Goldman Sachs & Co. LLC

BofA Merrill Lynch Citigroup

The date of this prospectus supplement is , 2017

TABLE OF CONTENTS

Prospectus Supplement

ABOUT THIS PROSPECTUS SUPPLEMENT	S-ii
SPECIAL NOTE ABOUT FORWARD-LOOKING STATEMENTS	S-iii
<u>SUMMARY</u>	S-1
RISK FACTORS	S-5
<u>USE OF PROCEEDS</u>	S-15
<u>CAPITALIZATION</u>	S-16
PRICE RANGE OF COMMON STOCK AND DIVIDENDS	S-17
MATERIAL U.S. TAX CONSIDERATIONS FOR NON-U.S. HOLDERS OF COMMON STOCK	S-18
<u>UNDERWRITING</u>	S-22
LEGAL MATTERS	S-29
EXPERTS	S-29
WHERE YOU CAN FIND MORE INFORMATION AND INCORPORATION BY REFERENCE	S-30
Prospectus	
ABOUT THIS PROSPECTUS	1
WHERE YOU CAN FIND MORE INFORMATION	2
INCORPORATION BY REFERENCE	3
FORWARD-LOOKING STATEMENTS	4
THERMO FISHER SCIENTIFIC INC.	5
THERMO FISHER INTERNATIONAL	6
RATIOS OF EARNINGS TO FIXED CHARGES	7
<u>USE OF PROCEEDS</u>	7
DESCRIPTION OF THERMO FISHER DEBT SECURITIES	8
DESCRIPTION OF THERMO FISHER INTERNATIONAL DEBT SECURITIES	21
DESCRIPTION OF CAPITAL STOCK	37
DESCRIPTION OF DEPOSITARY SHARES	44
DESCRIPTION OF PURCHASE CONTRACTS AND PURCHASE UNITS	47
DESCRIPTION OF WARRANTS	48
FORMS OF SECURITIES	49
PLAN OF DISTRIBUTION	51
LEGAL MATTERS	53
EXPERTS	53

ABOUT THIS PROSPECTUS SUPPLEMENT

This document consists of two parts. The first part is the prospectus supplement, which describes the specific terms of this offering. The second part is the prospectus, which describes more general information, some of which may not apply to this offering. You should read this prospectus supplement, any related free writing prospectus that we provide to you and the accompanying prospectus, together with the additional information described under the heading Where You Can Find More Information and Incorporation By Reference elsewhere in this prospectus supplement.

In this prospectus supplement, except as otherwise indicated or unless the context otherwise requires, Thermo Fisher, the company, we, us and our refer to Thermo Fisher Scientific Inc. and its consolidated subsidiaries. If the informatiset forth in this prospectus supplement differs in any way from the information set forth in the accompanying prospectus, you should rely on the information set forth in this prospectus supplement.

This prospectus supplement, any related free writing prospectus that we provide to you and the accompanying prospectus may be used only for the purpose for which they have been prepared. No one is authorized to give information other than that contained in or incorporated by reference into this prospectus supplement, any related free writing prospectus that we provide to you and the accompanying prospectus. We have not, and the underwriters have not, authorized any other person to provide you with different information. Neither we nor any of the underwriters or their affiliates take any responsibility for, nor can we or any of the underwriters or their affiliates provide any assurance as to the reliability of, any information that others may give you.

You should assume that the information appearing in this prospectus supplement, any related free writing prospectus that we provide to you, the accompanying prospectus and the documents incorporated by reference is accurate only as of their respective dates. Our business, financial condition, results of operations and prospects may have changed since those dates. Neither this prospectus supplement, any related free writing prospectus that we provide to you nor the accompanying prospectus constitutes an offer, or a solicitation on our behalf or on behalf of the underwriters, to subscribe for and purchase any of the securities and may not be used for or in connection with an offer or solicitation by anyone in any jurisdiction in which such an offer or solicitation is not authorized or to any person to whom it is unlawful to make such an offer or solicitation.

S-ii

SPECIAL NOTE ABOUT FORWARD-LOOKING STATEMENTS

This prospectus supplement contains or incorporates by reference certain statements that are, or may be deemed to be, forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended (the Securities Act), and Section 21E of the Securities Exchange Act of 1934, as amended (the Exchange Act). Any statements contained in or incorporated by reference into this prospectus supplement or the accompanying prospectus that are not statements of historical fact may be deemed to be forward-looking statements, including without limitation statements regarding: projections of revenue, 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; and any other statements that address events or developments that we intend or believe will or may occur in the future. Without limiting the foregoing, the words believes, estimates, and similar expressions are intended anticipates, expects, seeks, plans, identify forward-looking statements, although not all forward-looking statements are accompanied by such words. Forward-looking statements also include, without limitation, statements relating to our agreement to acquire Patheon N.V. (Patheon), our expectations regarding, and our ability to complete, the financing necessary to consummate the Patheon acquisition, the satisfaction of conditions precedent to, and the consummation of, our acquisition of Patheon, and our ability to secure regulatory approvals, in each case, including the timing thereof. While we may elect to update forward-looking statements in the future, we specifically disclaim any obligation to do so, even if our estimates change, and you should not rely on those forward-looking statements as representing our views as of any date subsequent to the date of this prospectus supplement.

A number of important factors could cause our results to differ materially from those indicated by such forward-looking statements, including those detailed under the heading Risk Factors below and in the documents incorporated herein by reference.

S-iii

SUMMARY

The following summary highlights information contained elsewhere in this prospectus supplement, the accompanying prospectus and the documents incorporated by reference herein or therein. It may not contain all of the information that you should consider before investing in our common stock. For a more complete discussion of the information you should consider before investing in our common stock, you should carefully read this entire prospectus supplement, the accompanying prospectus and the documents incorporated by reference herein.

Our Company

Thermo Fisher is the world leader in serving science. Our mission is to enable our customers to make the world healthier, cleaner and safer. We help our customers accelerate life sciences research, solve complex analytical challenges, improve patient diagnostics and increase laboratory productivity.

Thermo Fisher had approximately 55,000 employees and served more than 400,000 customers within pharmaceutical and biotech companies, hospitals and clinical diagnostic labs, universities, research institutions and government agencies, as well as environmental, industrial quality and process control settings, as of February 28, 2017.

We serve our customers through our premier brands, Thermo Scientific, Applied Biosystems, Invitrogen, Fisher Scientific and Unity Lab Services:

The Thermo Scientific brand offers customers in research, diagnostics, industrial, and applied markets a complete range of high-end analytical instruments as well as laboratory equipment, software, services, consumables and reagents. Our portfolio of products includes innovative technologies for mass spectrometry, chromatography, elemental analysis, molecular spectroscopy, sample preparation, informatics, chemical research and analysis, cell culture, bioprocess production, cellular, protein and molecular biology research, allergy testing, drugs-of-abuse testing, therapeutic drug monitoring testing, microbiology, anatomical pathology, as well as environmental monitoring and process control.

The Applied Biosystems brand offers customers in research, clinical and applied markets integrated instrument systems, reagents, and software for genetic analysis. Our portfolio includes innovative technologies for genetic sequencing and real-time, digital and end point polymerase chain reaction, that are used to determine meaningful genetic information in applications such as cancer diagnostics, human identification testing, and animal health, as well as inherited and infectious disease.

The Invitrogen brand offers life science customers a broad range of consumables and instruments that accelerate research and ensure consistency of results. Our portfolio of products includes innovative solutions for cellular analysis and biology, flow cytometry, cell culture, protein expression, synthetic biology, molecular biology and protein biology.

Fisher Scientific is our channels brand, offering customers a complete portfolio of laboratory equipment, chemicals, supplies and services used in scientific research, healthcare, safety, and education markets. These products are offered through an extensive network of direct sales professionals, industry-specific catalogs,

e-commerce capabilities and supply-chain management services. We also offer a range of biopharma services for clinical trials management and biospecimen storage.

Unity Lab Services is our services brand, offering a complete portfolio of services from enterprise level engagements to individual instruments and laboratory equipment, regardless of the original manufacturer. Through our network of world-class service and support personnel, we provide services that are designed to help our customers improve productivity, reduce costs, and drive decisions with better data.

We continuously increase our depth of capabilities in technologies, software and services, and leverage our extensive global channels to address our customers emerging needs. Our goal is to make our customers more productive in an increasingly competitive business environment, and to allow them to solve their challenges, from complex research to improved patient care, environmental and process monitoring, and consumer safety.

Thermo Fisher is a Delaware corporation and was incorporated in 1956. The company completed its initial public offering in 1967 and was listed on the New York Stock Exchange in 1980. The company s principal executive offices are located at 168 Third Avenue, Waltham, Massachusetts 02451, and its telephone number is (781) 622-1000.

Patheon Acquisition

In May 2017, we announced that we had entered into a purchase agreement (the *Purchase Agreement*) and commenced a tender offer to acquire all of the issued and outstanding shares of Patheon for \$35.00 per share in cash (the *Patheon Acquisition*). The Patheon Acquisition represents a purchase price of approximately \$5.2 billion, plus the assumption of approximately \$2.0 billion of net debt. The Patheon Acquisition will provide entry into the contract development and manufacturing organization market and add a complementary service to our existing portfolio. Revenues of Patheon were approximately \$1.9 billion for the year ended October 31, 2016. The transaction is expected to close around the end of the third quarter of 2017, subject to the satisfaction of customary closing conditions, including applicable regulatory approvals and completion of the tender offer.

We expect to finance the purchase price, including the repayment of indebtedness of Patheon, with all of the net proceeds of this offering, the approximately 2.6 billion (\$3.0 billion) of net proceeds received by us from our recent issuance of euro-denominated long-term notes on July 24, 2017 as described below under Recent Developments, and the net proceeds from additional issuances of debt. We are currently evaluating alternatives for such future financings, and the timing of such transactions is subject to market and other conditions. We also have available, but do not expect to utilize, up to \$4.3 billion of financing under a 364-day unsecured committed bridge credit facility. This offering is not conditioned on the closing of the Patheon Acquisition, and we cannot assure you that the Patheon Acquisition will be completed. See Use of Proceeds.

Recent Developments

On July 24, 2017, we closed our offering of 500 million aggregate principal amount of our Floating Rate Senior Notes due 2019, 700 million aggregate principal amount of our 1.400% Senior Notes due 2026, 700 million aggregate principal amount of our 1.950% Senior Notes due 2029 and 700 million aggregate principal amount of our 2.875% Senior Notes due 2037 (together, the *Eurobonds*). We intend to use all of the net proceeds from the issuance of the Eurobonds to fund a portion of the consideration payable for the Patheon Acquisition. See Patheon Acquisition above. However, in the event that we do not consummate the Patheon Acquisition on or prior to February 15, 2018 or the Purchase Agreement is terminated at any time prior to such date, we will be required to redeem all of the Eurobonds on a special mandatory redemption date at a redemption price equal to 101% of the aggregate principal amount of the Eurobonds, plus accrued and unpaid interest to, but excluding, the special mandatory redemption date.

Risk Factors

An investment in our common stock involves risk. You should carefully consider the information set forth in the section of this prospectus supplement entitled Risk Factors beginning on page S-5, as well as other information included or incorporated by reference in this prospectus supplement and the accompanying prospectus, before deciding whether to invest in our common stock.

The Offering

A brief description of the material terms of the offering follows. For a more complete description of the common stock offered hereby, see Description of Capital Stock in the accompanying prospectus.

Thermo Fisher Scientific Inc. Issuer

Common Stock Offered by Us shares. We have also granted the underwriters a 30-day option to additional shares. purchase up to

Common Stock Outstanding Following the shares (or shares if the underwriters exercise their option to purchase additional shares in full). Offering

Use of Proceeds We intend to use all of the net proceeds of this offering to fund a portion of the consideration payable for the Patheon Acquisition, including the repayment of indebtedness of Patheon to be assumed by us.

This offering is not conditioned upon the completion of the Patheon Acquisition, and we cannot assure you that the proposed acquisition will be consummated. If the Patheon Acquisition is not completed, we intend to use the net proceeds for general corporate purposes, which may include, without limitation, the repayment, redemption or refinancing of indebtedness, capital expenditures, the funding of possible acquisitions, working capital, the satisfaction of other obligations or the repurchase of our outstanding equity securities.

We may temporarily invest the net proceeds in short-term, liquid investments until they are used for their stated purpose. See Use of Proceeds.

Investing in our common stock involves risks. See Risk Factors beginning on page S-5 of this prospectus supplement and other information included or incorporated by reference into this prospectus supplement and the accompanying prospectus for a discussion of the factors you should carefully consider before deciding whether to invest in our common stock.

We pay a regular quarterly cash dividend and expect to continue paying a regular quarterly dividend for the foreseeable future. See Price Range of

10

Risk Factors

Dividend Policy

Common Stock and Dividends.

Transfer Agent and Registrar

American Stock Transfer & Trust Company, LLC

NYSE Symbol

TMO

Unless otherwise indicated, the number of shares of our common stock presented in this prospectus supplement is based on 390,119,503 shares outstanding on July 1, 2017 and:

assumes the underwriters will not exercise their option to purchase up to

additional shares from us;

S-3

Table of Contents

excludes 26,824,641 shares held in treasury as of July 1, 2017;

excludes 10,673,408 shares issuable upon the exercise of outstanding stock options and restricted stock awards as of July 1, 2017; and

excludes an estimated 20,240,000 shares reserved for issuance pursuant to future grants of awards under our stock compensation plans as of July 1, 2017.

S-4

RISK FACTORS

Investing in our common stock involves various risks, including the risks described below. You should carefully consider the following risks, as well as the other information contained in or incorporated by reference into this prospectus supplement and the accompanying prospectus before investing in our common stock. In addition to the risks described below, our business is subject to risks that affect many other companies, such as competition, technological obsolescence, labor relations, general economic conditions, geopolitical events and international operations. Additional risks not currently known to us or that we currently believe are immaterial also may impair our business, financial condition, results of operations and cash flows.

Risks Relating to Our Common Stock and This Offering

The price of our common stock may fluctuate significantly, and this may make it difficult for you to resell shares of common stock owned by you at times or at prices you find attractive.

The trading price of our common stock may fluctuate widely as a result of a number of factors, many of which are outside our control. In addition, the stock market is subject to fluctuations in the share prices and trading volumes that affect the market prices of the shares of many companies. These broad market fluctuations have adversely affected and may continue to adversely affect the market price of our common stock. Among the factors that could affect our stock price are:

actual or anticipated quarterly fluctuations in our operating results and financial condition;

changes in revenue or earnings estimates or publication of research reports and recommendations by financial analysts or actions taken by rating agencies with respect to our securities or those of other similar companies;

failure to meet analysts revenue or earnings estimates;

speculation in the press or investment community generally or relating to our reputation or our industry;

strategic actions by us or our competitors, such as acquisitions or restructurings;

actions by institutional shareholders;

fluctuations in the stock price and operating results of our competitors;

future sales of our equity or equity-related securities;

changes in the frequency or amount of dividends;

proposed or adopted regulatory changes or developments;

actual or anticipated changes in interest rates;

anticipated or pending investigations, proceedings, or litigation that involve or affect us;

domestic and international economic factors unrelated to our performance; or

general market conditions and, in particular, developments related to market conditions for our industry. A significant decline in our stock price could result in substantial losses for individual shareholders and could lead to costly and disruptive securities litigation.

There may be future sales or other dilution of our equity, which may adversely affect the market price of our common stock.

S-5

Except as described under Underwriting, we are not restricted from issuing additional shares of common stock, including any securities that are convertible into or exchangeable for, or that represent the right to receive, common stock. The issuance of any additional shares of common or convertible securities could be substantially dilutive to shareholders of our common stock. Moreover, to the extent that we issue restricted stock units, stock appreciation rights, options, or warrants to purchase our common stock in the future and those stock appreciation rights, options, or warrants are exercised or as the restricted stock units vest, our shareholders may experience further dilution. Holders of our shares of common stock have no preemptive rights that entitle holders to purchase their pro rata share of any offering of shares of any class or series and, therefore, such sales or offerings could result in increased dilution to our shareholders. The market price of our common stock could decline as a result of sales of shares of our common stock made after this offering or the perception that such sales could occur.

You may not receive dividends on the common stock.

Holders of our common stock are only entitled to receive such dividends as our board of directors may declare out of funds legally available for such payments. Although we have in the past declared cash dividends on our common stock, we are not required to do so and may reduce or eliminate our common stock dividend in the future. This could adversely affect the market price of our common stock.

The common stock is equity and is subordinate to our existing and future indebtedness and any preferred stock we may issue in the future.

Shares of the common stock are equity interests in Thermo Fisher and do not constitute indebtedness. As such, shares of the common stock will rank junior to all indebtedness and other non-equity claims on Thermo Fisher with respect to assets available to satisfy claims on Thermo Fisher, including in a liquidation of Thermo Fisher. Additionally, if we choose to issue preferred stock in the future, holders of our common stock may be subject to prior dividend and liquidation rights of any holders of our preferred stock or depositary shares representing such preferred stock then outstanding.

Anti-takeover provisions could adversely affect our stockholders.

Provisions of Delaware law and of our certificate of incorporation and bylaws could make it more difficult for a third party to acquire control of us or have the effect of discouraging a third party from attempting to acquire control of us. For example, we are subject to Section 203 of the Delaware General Corporation Law, which would make it more difficult for another party to acquire us without the approval of our board of directors.

We will have broad discretion in the use of the net proceeds from this offering and may not use them effectively.

Although we intend to use all of the net proceeds to fund a portion of the consideration payable for the Patheon Acquisition, we are not required to do so. If the Patheon acquisition is not consummated, we will have broad discretion in the use of the net proceeds from this offering and could spend the proceeds in ways that do not improve our results of operations or enhance the value of our common stock. Pending our use of the net proceeds from this offering, we intend to invest the net proceeds in in short-term, liquid investments. Our failure to apply these funds effectively could have a material adverse effect on our business and cause the price of our common stock to decline. See the section entitled Use of Proceeds.

Risks Relating to Our Business

We must develop new products, adapt to rapid and significant technological change and respond to introductions of new products by competitors to remain competitive.

Our growth strategy includes significant investment in and expenditures for product development. We sell our products in several industries that are characterized by rapid and significant technological changes, frequent new

S-6

product and service introductions and enhancements and evolving industry standards. Competitive factors include technological innovation, price, service and delivery, breadth of product line, customer support, e-business capabilities and the ability to meet the special requirements of customers. Our competitors may adapt more quickly to new technologies and changes in customers—requirements than we can. Without the timely introduction of new products, services and enhancements, our products and services will likely become technologically obsolete over time, in which case our revenue and operating results would suffer.

Many of our existing products and those under development are technologically innovative and require significant planning, design, development and testing at the technological, product and manufacturing-process levels. Our customers use many of our products to develop, test and manufacture their own products. As a result, we must anticipate industry trends and develop products in advance of the commercialization of our customers products. If we fail to adequately predict our customers needs and future activities, we may invest heavily in research and development of products and services that do not lead to significant revenue.

It may be difficult for us to implement our strategies for improving internal growth.

Some of the markets in which we compete have been flat or declining over the past several years. To address this issue, we are pursuing a number of strategies to improve our internal growth, including:

strengthening our presence in selected geographic markets;

allocating research and development funding to products with higher growth prospects;

developing new applications for our technologies;

expanding our service offerings;

continuing key customer initiatives;

combining sales and marketing operations in appropriate markets to compete more effectively;

finding new markets for our products; and

continuing the development of commercial tools and infrastructure to increase and support cross-selling opportunities of products and services to take advantage of our depth in product offerings.

We may not be able to successfully implement these strategies, and these strategies may not result in the expected growth of our business.

Our business is affected by general economic conditions and related uncertainties affecting markets in which we operate.

Our business is affected by general economic conditions, both inside and outside the U.S. If the global economy and financial markets, or economic conditions in Europe, the U.S. or other key markets, are unstable, it could adversely affect the business, results of operations and financial condition of the company and its customers, distributors, and suppliers, having the effect of:

reducing demand for some of our products;

increasing the rate of order cancellations or delays;

increasing the risk of excess and obsolete inventories;

increasing pressure on the prices for our products and services; and

creating longer sales cycles and greater difficulty in collecting sales proceeds.

S-7

Demand for some of our products depends on capital spending policies of our customers and on government funding policies.

Our customers include pharmaceutical and chemical companies, laboratories, universities, healthcare providers, government agencies and public and private research institutions. Many factors, including public policy spending priorities, available resources and product and economic cycles, have a significant effect on the capital spending policies of these entities.

Spending by some of these customers fluctuates based on budget allocations and the timely passage of the annual federal budget. An impasse in federal government budget decisions could lead to substantial delays or reductions in federal spending.

As a multinational corporation, we are exposed to fluctuations in currency exchange rates, which could adversely affect our cash flows and results of operations.

International markets contribute a substantial portion of our revenues, and we intend to continue expanding our presence in these regions. The exposure to fluctuations in currency exchange rates takes on different forms. International revenues and costs are subject to the risk that fluctuations in exchange rates could adversely affect our reported revenues and profitability when translated into U.S. dollars for financial reporting purposes. These fluctuations could also adversely affect the demand for products and services provided by us. As a multinational corporation, our businesses occasionally invoice third-party customers in currencies other than the one in which they primarily do business (the *functional currency*). Movements in the invoiced currency relative to the functional currency could adversely impact our cash flows and our results of operations. Should our international sales grow, exposure to fluctuations in currency exchange rates could have a larger effect on our financial results. In the first six months of 2017, currency translation had an unfavorable effect of \$109 million on revenues due to the strengthening of the U.S. dollar relative to other currencies in which the company sells products and services.

Significant developments stemming from the recent U.S. presidential election or the U.K. s referendum on membership in the EU, as well as the U.K. s formal notice of withdrawal from the EU, could have an adverse effect on us.

The new U.S. administration has called for substantial changes to trade agreements, such as the North American Free Trade Agreement (NAFTA), and has raised the possibility of imposing significant increases on tariffs on goods imported into the United States, particularly from China and Mexico. The new administration has also indicated an intention to request Congress to make significant changes, including potential replacement or elimination of the Patient Protection and Affordable Care Act, and government negotiation/regulation of drug prices paid by government programs. Changes in U.S. social, political, regulatory and economic conditions or laws and policies governing the health care system and drug prices, foreign trade, manufacturing, and development and investment in the territories and countries where we or our customers operate could adversely affect our operating results and our business.

Additionally, on June 23, 2016, the United Kingdom held a referendum and voted in favor of leaving the European Union, or EU. On March 29, 2017, the United Kingdom formally notified the European Union of its intention to withdraw pursuant to Article 50 of the Lisbon Treaty. This referendum and notice of withdrawal have created political and economic uncertainty, particularly in the United Kingdom and the EU, and this uncertainty may last for years. Our business could be affected during this period of uncertainty, and perhaps longer, by the impact of the United Kingdom s referendum and notice of withdrawal. In addition, our business could be negatively affected by new trade agreements between the United Kingdom and other countries, including the United States, and by the possible imposition of trade or other regulatory barriers in the United Kingdom. These possible negative impacts, and others

resulting from the United Kingdom s actual or threatened withdrawal from the EU, may adversely affect our operating results and our customers businesses.

S-8

Our inability to protect our intellectual property could have a material adverse effect on our business. In addition, third parties may claim that we infringe their intellectual property, and we could suffer significant litigation or licensing expense as a result.

We place considerable emphasis on obtaining patent and trade secret protection for significant new technologies, products and processes because of the length of time and expense associated with bringing new products through the development process and into the marketplace. Our success depends in part on our ability to develop patentable products and obtain and enforce patent protection for our products both in the United States and in other countries. We own numerous U.S. and foreign patents, and we intend to file additional applications, as appropriate, for patents covering our products. Patents may not be issued for any pending or future patent applications owned by or licensed to us, and the claims allowed under any issued patents may not be sufficiently broad to protect our technology. Any issued patents owned by or licensed to us may be challenged, invalidated or circumvented, and the rights under these patents may not provide us with competitive advantages. In addition, competitors may design around our technology or develop competing technologies. Intellectual property rights may also be unavailable or limited in some foreign countries, which could make it easier for competitors to capture increased market position. We could incur substantial costs to defend ourselves in suits brought against us or in suits in which we may assert our patent rights against others. An unfavorable outcome of any such litigation could materially adversely affect our business and results of operations.

We also rely on trade secrets and proprietary know-how with which we seek to protect our products, in part, by confidentiality agreements with our collaborators, employees and consultants. These agreements may be breached and we may not have adequate remedies for any breach. In addition, our trade secrets may otherwise become known or be independently developed by our competitors.

Third parties may assert claims against us to the effect that we are infringing on their intellectual property rights. Our Life Technologies subsidiary is party to several lawsuits in which plaintiffs claim we infringe their intellectual property. We could incur substantial costs and diversion of management resources in defending these claims, which could have a material adverse effect on our business, financial condition and results of operations. In addition, parties making these claims could secure a judgment awarding substantial damages, as well as injunctive or other equitable relief, which could effectively block our ability to make, use, sell, distribute, or market our products and services in the United States or abroad. In the event that a claim relating to intellectual property is asserted against us, or third parties not affiliated with us hold pending or issued patents that relate to our products or technology, we may seek licenses to such intellectual property or challenge those patents. However, we may be unable to obtain these licenses on commercially reasonable terms, if at all, and our challenge of the patents may be unsuccessful. Our failure to obtain the necessary licenses or other rights could prevent the sale, manufacture, or distribution of our products and, therefore, could have a material adverse effect on our business, financial condition and results of operations.

Changes in governmental regulations may reduce demand for our products or increase our expenses.

We compete in many markets in which we and our customers must comply with federal, state, local and international regulations, such as environmental, health and safety and food and drug regulations. We develop, configure and market our products to meet customer needs created by those regulations. Any significant change in regulations could reduce demand for our products or increase our expenses. For example, many of our instruments are marketed to the pharmaceutical industry for use in discovering and developing drugs. Changes in the U.S. Food and Drug Administration s regulation of the drug discovery and development process could have an adverse effect on the demand for these products.

If our security products do not operate as designed and fail to detect explosives or radiation, we could be exposed to product liability and related claims for which we may not have adequate insurance coverage.

Products currently or previously sold by our environmental and process instruments and radiation measurement and security instruments businesses include fixed and portable instruments used for chemical, radiation and trace

S-9

explosives detection. These products are used in airports, embassies, cargo facilities, border crossings and other high-threat facilities for the detection and prevention of terrorist acts. If any of these products were to malfunction, it is possible that explosive or radioactive material could fail to be detected by our product, which could lead to product liability claims. There are also many other factors beyond our control that could lead to liability claims, such as the reliability and competence of the customers—operators and the training of such operators. Any such product liability claims brought against us could be significant and any adverse determination may result in liabilities in excess of our insurance coverage. Although we carry product liability insurance, we cannot be certain that our current insurance will be sufficient to cover these claims or that it can be maintained on acceptable terms, if at all.

Our inability to complete pending acquisitions or to successfully integrate any new or previous acquisitions could have a material adverse effect on our business.

Our business strategy includes the acquisition of technologies and businesses that complement or augment our existing products and services. In May 2017, we entered into the Purchase Agreement, and commenced a tender offer to acquire, all of the issued and outstanding shares of Patheon. Certain acquisitions, including the Patheon Acquisition, may be difficult to complete for a number of reasons, including the need for antitrust and/or other regulatory approvals. Any acquisition we may complete may be made at a substantial premium over the fair value of the net identifiable assets of the acquired company. Further, we may not be able to integrate acquired businesses successfully into our existing businesses, make such businesses profitable, or realize anticipated cost savings or synergies, if any, from these acquisitions, which could adversely affect our businesse.

Moreover, we have acquired many companies and businesses. As a result of these acquisitions, we recorded significant goodwill and indefinite-lived intangible assets (primarily tradenames) on our balance sheet, which amount to approximately \$21.85 billion and \$1.28 billion, respectively, as of July 1, 2017. In addition, we have definite-lived intangible assets totaling \$12.30 billion as of July 1, 2017. We assess the realizability of goodwill and indefinite-lived intangible assets annually as well as whenever events or changes in circumstances indicate that these assets may be impaired. We assess the realizability of definite-lived intangible assets whenever events or changes in circumstances indicate that these assets may be impaired. These events or circumstances would generally include operating losses or a significant decline in earnings associated with the acquired business or asset. Our ability to realize the value of the goodwill and intangible assets will depend on the future cash flows of these businesses. These cash flows in turn depend in part on how well we have integrated these businesses. If we are not able to realize the value of the goodwill and intangible assets, we may be required to incur material charges relating to the impairment of those assets.

We are subject to laws and regulations governing government contracts, and failure to address these laws and regulations or comply with government contracts could harm our business by leading to a reduction in revenue associated with these customers.

We have agreements relating to the sale of our products to government entities and, as a result, we are subject to various statutes and regulations that apply to companies doing business with the government. The laws governing government contracts differ from the laws governing private contracts and government contracts may contain pricing terms and conditions that are not applicable to private contracts. We are also subject to investigation for compliance with the regulations governing government contracts. A failure to comply with these regulations could result in suspension of these contracts, criminal, civil and administrative penalties or debarment.

Because we compete directly with certain of our larger customers and product suppliers, our results of operations could be adversely affected in the short term if these customers or suppliers abruptly discontinue or significantly modify their relationship with us.

Our largest customer in the laboratory products business is also a significant competitor. Our business may be harmed in the short term if our competitive relationship in the marketplace with certain of our large customers

S-10

results in a discontinuation of their purchases from us. In addition, we manufacture products that compete directly with products that we source from third-party suppliers. We also source competitive products from multiple suppliers. Our business could be adversely affected in the short term if any of our large third-party suppliers abruptly discontinues selling products to us.

Because we rely heavily on third-party package-delivery services, a significant disruption in these services or significant increases in prices may disrupt our ability to ship products, increase our costs and lower our profitability.

We ship a significant portion of our products to our customers through independent package delivery companies, such as Federal Express in the U.S. and DHL in Europe. We also maintain a small fleet of vehicles dedicated to the delivery of our products and ship our products through other carriers, including national and regional trucking firms, overnight carrier services and the U.S. Postal Service. If one or more of these third-party package-delivery providers were to experience a major work stoppage, preventing our products from being delivered in a timely fashion or causing us to incur additional shipping costs we could not pass on to our customers, our costs could increase and our relationships with certain of our customers could be adversely affected. In addition, if one or more of these third-party package-delivery providers were to increase prices, and we were not able to find comparable alternatives or make adjustments in our delivery network, our profitability could be adversely affected.

We are required to comply with a wide variety of laws and regulations, and are subject to regulation by various federal, state and foreign agencies.

For example, some of our operations are subject to regulation by the U.S. Food and Drug Administration and similar international agencies. These regulations govern a wide variety of product activities, from design and development to labeling, manufacturing, promotion, sales and distribution. If we fail to comply with the U.S. Food and Drug Administration s regulations or those of similar international agencies, we may have to recall products and/or cease their manufacture and distribution, which would increase our costs and reduce our revenues.

We are also subject to a variety of federal, state, local and international laws and regulations that govern, among other things, the importation and exportation of products, the handling, transportation and manufacture of substances that could be classified as hazardous, and our business practices in the U.S. and abroad such as anti-corruption and anti-competition laws. A failure to comply with these laws and regulations could result in criminal, civil and administrative penalties.

Our business could be adversely affected by disruptions at our sites.

We rely upon our manufacturing operations to produce many of the products we sell and our warehouse facilities to store products, pending sale. Any significant disruption of those operations for any reason, such as strikes or other labor unrest, power interruptions, fire, or other events beyond our control could adversely affect our sales and customer relationships and therefore adversely affect our business. We have significant operations in California, near major earthquake faults, which make us susceptible to earthquake risk. Although most of our raw materials are available from a number of potential suppliers, our operations also depend upon our ability to obtain raw materials at reasonable prices. If we are unable to obtain the materials we need at a reasonable price, we may not be able to produce certain of our products or we may not be able to produce certain of these products at a marketable price, which could have an adverse effect on our results of operations.

Fluctuations in our effective tax rate may adversely affect our results of operations and cash flows.

As a global company, we are subject to taxation in numerous countries, states and other jurisdictions. In preparing our financial statements, we record the amount of tax that is payable in each of the countries, states and

S-11

other jurisdictions in which we operate. Our future effective tax rate, however, may be lower or higher than experienced in the past due to numerous factors, including a change in the mix of our profitability from country to country, changes in accounting for income taxes and recently enacted and future changes in tax laws in jurisdictions in which we operate. Any of these factors could cause us to experience an effective tax rate significantly different from previous periods or our current expectations, which could have an adverse effect on our business, results of operations and cash flows.

We may incur unexpected costs from increases in fuel and raw material prices, which could reduce our earnings and cash flow.

Our primary commodity exposures are for fuel, petroleum-based resins and steel. While we may seek to minimize the impact of price increases through higher prices to customers and various cost-saving measures, our earnings and cash flows could be adversely affected in the event these measures are insufficient to cover our costs.

A significant disruption in, or breach in security of, our information technology systems could adversely affect our business.

As a part of our ongoing effort to upgrade our current information systems, we periodically implement new enterprise resource planning software and other software applications to manage certain of our business operations. As we implement and add functionality, problems could arise that we have not foreseen. Such problems could disrupt our ability to provide quotes, take customer orders and otherwise run our business in a timely manner. When we upgrade or change systems, we may suffer interruptions in service, loss of data or reduced functionality. In addition, if our new systems fail to provide accurate pricing and cost data our results of operations and cash flows could be adversely affected.

We also rely on our technology infrastructure, among other functions, to interact with suppliers, sell our products and services, fulfill orders and bill, collect and make payments, ship products, provide services and support to customers, track customers, fulfill contractual obligations and otherwise conduct business. Our systems may be vulnerable to damage or interruption from natural disasters, power loss, telecommunication failures, terrorist attacks, computer viruses, computer denial-of-service attacks, unauthorized access to customer or employee data or company trade secrets, and other attempts to harm our systems. Certain of our systems are not redundant, and our disaster recovery planning is not sufficient for every eventuality. Despite any precautions we may take, such problems could result in, among other consequences, interruptions in our services, which could harm our reputation and financial results. Any of the cyber-attacks, breaches or other disruptions or damage described above could interrupt our operations, delay production and shipments, result in theft of our and our customers intellectual property and trade secrets, damage customer and business partner relationships and our reputation or result in defective products or services, legal claims and proceedings, liability and penalties under privacy laws and increased cost for security and remediation, each of which could adversely affect our business and financial results.

Our debt may restrict our investment opportunities or limit our activities.

As of July 1, 2017, we had approximately \$16.80 billion in outstanding indebtedness. In addition, we have availability to borrow under a revolving credit facility that provides for up to \$2.50 billion of unsecured multi-currency revolving credit. We may also obtain additional long-term debt and lines of credit to meet future financing needs, which would have the effect of increasing our total leverage. For example, in July we issued 2.6 billion of senior notes to fund a portion of the consideration payable for the Patheon Acquisition.

Our leverage could have negative consequences, including increasing our vulnerability to adverse economic and industry conditions, limiting our ability to obtain additional financing and limiting our ability to acquire new products and technologies through strategic acquisitions.

S-12

Our ability to make scheduled payments, refinance our obligations or obtain additional financing will depend on our future operating performance and on economic, financial, competitive and other factors beyond our control. Our business may not generate sufficient cash flow to meet our obligations. If we are unable to service our debt, refinance our existing debt or obtain additional financing, we may be forced to delay strategic acquisitions, capital expenditures or research and development expenditures.

Additionally, the agreements governing our debt require that we maintain certain financial ratios, and contain affirmative and negative covenants that restrict our activities by, among other limitations, limiting our ability to incur additional indebtedness, merge or consolidate with other entities, make investments, create liens, sell assets and enter into transactions with affiliates. The covenants in our revolving credit facility (the *Facility*) include a total debt-to-Consolidated EBITDA ratio and an interest coverage ratio. Specifically, we have 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, we will not permit (as the following terms are defined in the credit agreement governing the Facility) the Consolidated Leverage Ratio (the ratio of consolidated Indebtedness to Consolidated EBITDA) to be greater than 4.0 to 1.0 as of July 1, 2017 with such ratio stepping down to 3.5 to 1.0 beginning in the third quarter of 2017; provided that the leverage ratio may be temporarily increased to 4.5 to 1.0 (with subsequent step down to 3.5 to 1.0) in the case of a Qualified Acquisition.

We have also agreed that so long as any lender has any commitment under the Facility or any letter of credit is outstanding under the Facility, or any loan or other obligation is outstanding under any facility (including the term loan and bridge facilities), we will not permit the Consolidated Interest Coverage Ratio (the ratio of Consolidated EBITDA to Consolidated Interest Expense) to be less than 3.0 to 1.0 as of the last day of any fiscal quarter.

Our ability to comply with these financial restrictions and covenants is dependent on our future performance, which is subject to prevailing economic conditions and other factors, including factors that are beyond our control such as foreign exchange rates and interest rates. Our failure to comply with any of these restrictions or covenants may result in an event of default under the applicable debt instrument, which could permit acceleration of the debt under that instrument and require us to prepay that debt before its scheduled due date. Also, an acceleration of the debt under certain of our debt instruments would trigger an event of default under other of our debt instruments.

The financing we have obtained and plan to obtain for the Patheon Acquisition could have an adverse effect on our financial health and make it more difficult for us to obtain additional financing or to refinance our existing indebtedness in the future.

We expect to finance the purchase price for the Patheon Acquisition, including the repayment of indebtedness of Patheon, with all of the net proceeds of this offering, the approximately 2.6 billion (\$3.0 billion) of net proceeds received by us from our recent issuance of the Eurobonds, and the net proceeds from additional issuances of debt. We are currently evaluating alternatives for such future financings, and the timing of such transactions is subject to market and other conditions. We also have available, but do not expect to utilize, up to \$4.3 billion of financing under a 364-day unsecured committed bridge credit facility. As is the case with our existing and future debt financing described in the immediately prior risk factor, the bridge facility imposes various covenants and restrictions upon us that would apply in the event we drew amounts available to us under it. This offering is not conditioned on the closing of the Patheon Acquisition, and we cannot assure you that the Patheon Acquisition will be completed.

Incurrence of additional debt may have an adverse effect on our financial condition and may limit our ability to obtain financing or to refinance our existing indebtedness in the future. If we fail to realize the expected benefits from the Patheon Acquisition or if the financial performance of Patheon does not meet our current expectations, it may make it more difficult for us to service our debt and our results of operations may fail to meet expectations.

S-13

Regulatory approvals necessary for our acquisition of Patheon may not be received, may take longer than expected or may impose conditions that are not presently anticipated or that could have an adverse effect on the combined company following the Patheon Acquisition.

Before the Patheon Acquisition may be completed, we must obtain certain required regulatory approvals, waivers or consents. These regulators may impose conditions on the completion of the transaction or require changes to the terms of the transaction. Such conditions or changes could have the effect of delaying or preventing completion of the transaction, causing us to incur additional costs or limiting the revenues of the combined company following the transaction, any of which might have an adverse effect on the combined company following the transaction.

Combining Patheon with us may be more difficult, costly or time consuming than expected and the anticipated benefits and cost savings of the transaction may not be fully realized.

The success of the transaction between Patheon and us, including the realization of anticipated benefits and cost savings, will depend, in part, on our ability to successfully combine our and Patheon's businesses. The integration may be more difficult, costly or time consuming than expected. It is possible that the integration process could result in the loss of key employees or the disruption of each company's ongoing businesses or that the alignment of standards, controls, procedures and policies may adversely affect the combined company's ability to maintain relationships with clients, customers, suppliers and employees or to fully achieve the anticipated benefits and cost savings of the transaction. The loss of key employees could adversely affect our ability to successfully conduct our business in the markets in which Patheon now operates, which could have an adverse effect on our financial results and the price of our common stock. Other potential difficulties of combining our and Patheon's businesses include unanticipated issues in integrating manufacturing, logistics, information communications and other systems.

If we experience difficulties with the integration process, the anticipated benefits of the transaction may not be realized fully or at all, or may take longer to realize than expected. Integration efforts between the two companies may also divert management attention and resources. These integration matters could have an adverse effect on each of us and Patheon during this transition period and for an undetermined period after completion of the transaction on the combined company.

S-14

USE OF PROCEEDS

We estimate that the net proceeds from the sale of shares of our common stock in this offering will be approximately billion, after deducting the underwriting discount and estimated offering expenses payable by us. If the underwriters exercise their option to purchase additional shares in full, we estimate that our net proceeds in this offering will be approximately billion, after deducting the underwriting discount and estimated offering expenses payable by us.

We intend to use all of the net proceeds of this offering to fund a portion of the consideration payable for the Patheon Acquisition, including the repayment of indebtedness of Patheon to be assumed by us. We expect to finance the consideration payable with all of the net proceeds of this offering, the approximately 2.6 billion (\$3.0 billion) of net proceeds received by us from our recent issuance of the Eurobonds, and the net proceeds from additional issuances of debt. We are currently evaluating alternatives for such future financings, and the timing of such transactions is subject to market and other conditions. We also have available, but do not expect to utilize, up to \$4.3 billion of financing under a 364-day unsecured committed bridge credit facility. See Summary Patheon Acquisition .

This offering is not conditioned upon the completion of the Patheon Acquisition, and we cannot assure you that the proposed acquisition will be consummated. If the Patheon Acquisition is not completed, we intend to use the net proceeds for general corporate purposes, which may include, without limitation, the repayment, redemption or refinancing of indebtedness, capital expenditures, the funding of possible acquisitions, working capital, the satisfaction of other obligations or the repurchase of our outstanding equity securities.

We may temporarily invest the net proceeds in short-term, liquid investments until they are used for their stated purpose.

S-15

CAPITALIZATION

The following table presents our cash and cash equivalents and capitalization as of July 1, 2017:

on an actual basis; and

on an as adjusted basis to give effect to (1) the receipt of the net proceeds from the sale and issuance of the Eurobonds on July 24, 2017, after deducting the underwriting discounts and offering expenses of that offering, and (2) the receipt of the net proceeds from the sale of the shares of common stock offered hereby, after deducting the underwriting discount and estimated offering expenses of this offering but does not give effect to (x) the use of the net proceeds from the sale and issuance of the Eurobonds or the shares of common stock offered hereby or (y) the assumed issuance and use of additional indebtedness to fund the consideration payable for the Patheon Acquisition, including the assumption of indebtedness of Patheon.

See Use of Proceeds.

You should read this table in conjunction with the information contained in our Management s Discussion and Analysis of Financial Condition and Results of Operations and our consolidated financial statements and related notes in our 2016 Form 10-K and in our Second Quarter 2017 Form 10-Q, which are incorporated by reference into this prospectus supplement and the accompanying prospectus.

The capitalization table below is not necessarily indicative of our future capitalization or financial condition.

	As of July 1, 2017			
		As		
	Actual	Adjusted		
	(in n	(in millions)		
Cash and cash equivalents	\$ 611.0	\$		
Debt included in current liabilities: Short-term obligations Current maturities of long-term debt	1,538.1 2.3			
Debt included in long-term liabilities: Long-term debt, excluding current maturities	15,255.7			