

# Life Science and Chemical Instrumentation Market (Chromatography, Electrophoresis, DNA Sequencer, PCR, Microplate Reader, Robotics, Spectroscopy, Immunoassay, Microarray, Flow Cytometer, Incubator, Fume Hood, Centrifuge) - Global Forecast to 2019

https://marketpublishers.com/r/LC2CD0516C3EN.html

Date: March 2015

Pages: 258

Price: US\$ 5,650.00 (Single User License)

ID: LC2CD0516C3EN

#### **Abstracts**

The global life science and chemical instrumentation market is estimated to grow at a CAGR of 6.9% from 2014 to 2019. Although mature markets (such as the U.S., Germany, France, and the U.K.) held larger shares in the global life science and chemical instrumentation market in 2014, the Asia-Pacific region is poised to grow at the highest rate in the next five years. Factors such as strategic expansion by key market players in emerging Asian countries; growing pharmaceutical and biopharmaceutical industry; rising government investments in biomedical industry in China and Singapore, and extensive crop research in Asia to feed its increasing population are propelling the demand of the life science and chemical instrumentations in Asia-Pacific region.

The growth of the global life science and chemical instrumentation market is driven by factors such as rising pharmaceutical R&D investments in emerging countries, increasing food safety concerns, availability of public and private funding for life science research studies, advancements in analytical instruments in terms of technology, miniaturization of instruments, and stringent drug development regulations in developed countries. In addition, emerging economies and increasing demand of analytical instruments from applied markets are creating new growth opportunities for the life science and chemical instrumentation manufacturers. Nonetheless, the high cost of technologically advanced instruments, scarcity of skilled professionals, and presence of alternative analytical technologies are the key reasons hampering the growth of life science and chemical instrumentation market.



In this report, the life science and chemical instrumentation market has been segmented on the basis of technology (covering chromatography, electrophoresis, DNA sequencers & amplifiers, lab automation, spectroscopy, immunoassay, microarray, flow cytometry, and other instruments (incubators, lab balances, fume hoods, and centrifuges)), by end user (including pharmaceutical, biopharmaceutical, and biotechnology companies; clinical research organizations (CROs); research institutions; hospitals, clinics, and diagnostic laboratories; academic institutions; forensic science laboratories; food and agriculture industry; and environmental testing industry; among others), and by region (North America, Europe, Asia Pacific, and Rest of the World). The spectroscopy market commanded the largest share of the global life science and chemical instrumentation market in 2014. However, the DNA sequencers and amplifiers market is expected to grow at the highest rate during the forecast period. Development of technologically advanced cost efficient genome sequencers and amplifiers is the key factor driving the growth of this market segment.

Geographically, North America (comprising the U.S. and Canada) commanded the largest share of the global life science and chemical instrumentation market in 2014, followed by Europe. The North American life science and chemical instrumentation market is driven by factors such as stringent drug development regulations, public and private funding for life science research activities, growing number of metabolomics research studies, rising prevalence of chronic diseases and aging population (that is responsible for the boost in the research on bio-based drugs), and a significant number of conferences, discussions, symposium, & seminars hosted by North America related to analytical technologies. However, increasing outsourcing of clinical research by big U.S. pharma companies to developing Asian countries and changes in the Canadian R&D tax credit program are negatively affecting the growth of the life science and chemical instrumentation market in North America.

The global life science and chemical instrumentation market is fragmented and competitive with a large number of global and local manufacturers of analytical instruments. Agilent Technologies, Inc. (U.S.), Becton, Dickinson and Company (U.S.), Bio-Rad Laboratories, Inc. (U.S.), Bruker Corporation (U.S.), Danaher Corporation (U.S.), F. Hoffmann-La Roche Ltd (Switzerland), Illumina, Inc. (U.S.), PerkinElmer, Inc. (U.S.), Shimadzu Corporation (Japan), Thermo Fisher Scientific, Inc. (U.S.), and Waters Corporation (U.S.) are some of the key players in the global life science and chemical instrumentation market. New product launches, partnerships, agreements, collaborations, and geographic expansions were the major strategies adopted by most of the market players to achieve growth in the life science and chemical instrumentation



market.

#### Reasons to Buy the Report:

From an insight perspective, this research report has focused on various levels of analysis —industry analysis (industry trends, and Porter's five force model), market share analysis of top players, and company profiles, which together comprise and discuss basic views on the competitive landscape, emerging and high-growth segments of the life science and chemical instrumentation market, high-growth regions and their respective drivers, restraints, challenges, and opportunities.

The report will enrich both established firms as well as new entrants/smaller firms to gauge the pulse of the market, which in turn will help firms in garnering a greater market share. Firms purchasing the report could use any one or combination of the below mentioned five strategies (market penetration, product development/innovation, market development, market diversification, and competitive assessment) for strengthening their market share.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on analytical instrumentation products offered by the top 10 players in the life science and chemical instrumentation market. The report analyzes the life science and chemical instrumentation market by technology and end user across four geographies

Product Development/Innovation: Detailed insights on current and upcoming technologies, research and development activities, and new product launches in the life science and chemical instrumentation market

Market Development: Comprehensive information about lucrative emerging markets. The report analyzes the markets for various life science and chemical instrumentations across geographies

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the life science and chemical instrumentation market

Competitive Assessment: In-depth assessment of market shares, strategies, products, distribution networks, and manufacturing capabilities of leading



players in the life science and chemical instrumentation market



#### **Contents**

#### 1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 MARKET SCOPE
  - 1.3.1 MARKETS COVERED
- 1.3.2 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY
- 1.5 STAKEHOLDERS

#### **2 RESEARCH METHODOLOGY**

- 2.1 RESEARCH DATA
  - 2.1.1 SECONDARY DATA
    - 2.1.1.1 Key data from secondary sources
  - 2.1.1 PRIMARY DATA
    - 2.1.1.1 Breakdown of primaries
    - 2.1.1.2 Key data from primary sources
    - 2.1.1.3 Key industry insights
- 2.2 MARKET SIZE ESTIMATION
  - 2.2.1.1 Bottom-up approach
  - 2.2.1.2 Top-down approach
- 2.3 MARKET BREAKDOWN AND DATA TRIANGULATION
- 2.4 RESEARCH ASSUMPTIONS AND LIMITATIONS
  - 2.4.1 ASSUMPTIONS
  - 2.4.2 LIMITATIONS

#### **3 EXECUTIVE SUMMARY**

- 3.1 INTRODUCTION
- 3.2 CURRENT SCENARIO
- 3.3 FUTURE OUTLOOK
- 3.4 CONCLUSION

#### **4 PREMIUM INSIGHTS**

#### 4.1 ATTRACTIVE OPPORTUNITIES IN THE LIFE SCIENCE AND CHEMICAL



#### INSTRUMENTATION MARKET

- 4.2 LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET GROWTH RATE, BY TECHNOLOGY AND REGION (2014–2019)
- 4.3 LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET, BY TECHNOLOGY AND REGION, 2014 (\$MILLION)
- 4.4 LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET, BY TECHNOLOGY, 2012–2019 (\$MILLION)

#### **5 MARKET OVERVIEW**

- 5.1 INTRODUCTION
- 5.2 MARKET SEGMENTATION
  - 5.2.1 BY TECHNOLOGY
  - 5.2.2 BY END USER
- 5.3 MARKET DYNAMICS
  - 5.3.1 DRIVERS
    - 5.3.1.1 Increasing government spending on pharmaceutical R&D in emerging nations
    - 5.3.1.2 Growing food safety concerns
    - 5.3.1.3 Technological advancements in analytical devices
    - 5.3.1.4 Funding sources increase the purchasing power of major research institutions
  - 5.3.2 RESTRAINTS
    - 5.3.2.1 High cost of instruments
    - 5.3.2.2 Presence of alternative technologies
  - 5.3.3 OPPORTUNITIES
    - 5.3.3.1 Emerging markets offering lucrative growth opportunities
    - 5.3.3.2 Growing proteomics market
    - 5.3.3.3 Growing environmental safety concerns
    - 5.3.3.4 Increasing demand from applied markets
  - 5.3.3.5 Opportunity for lab automation solutions in biobank applications
  - 5.3.4 CHALLENGES
- 5.3.4.1 Extensive requirements in developing chromatography systems that generate pressures of above 20,000 psi
  - 5.3.4.2 Survival of small players in the lab automation market
- 5.3.4.3 Adoption and implementation of MIQE guidelines for publishing qPCR- and dPCR-based research

#### **6 INDUSTRY INSIGHTS**

#### 6.1 INTRODUCTION



#### 6.2 VALUE CHAIN ANALYSIS

#### 6.3 INDUSTRY TRENDS

- 6.3.1 RISING FOCUS OF MARKET PLAYERS TOWARDS THE DEVELOPMENT OF MINIATURIZED INSTRUMENTS
  - 6.3.2 INCREASING ADOPTION OF HYPHENATED TECHNOLOGIES
- 6.3.3 TIE-UPS BETWEEN ANALYTICAL INSTRUMENT MANUFACTURERS AND RESEARCH LABORATORIES/ACADEMIC INSTITUTIONS
- 6.4 PORTER'S FIVE FORCES ANALYSIS
  - 6.4.1 THREAT OF NEW ENTRANTS
  - 6.4.2 THREAT FROM SUBSTITUTES
  - 6.4.3 BARGAINING POWER OF SUPPLIERS
  - 6.4.4 BARGAINING POWER OF BUYERS
  - 6.4.5 INTENSITY OF COMPETITIVE RIVALRY

# 7 LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET, BY TECHNOLOGY

#### 7.1 INTRODUCTION

#### 7.2 CHROMATOGRAPHY

#### 7.2.1 DRIVERS

- 7.2.1.1 New international GMP & GDP certification for pharmaceutical excipients (North America & Europe): EXCiPACT
  - 7.2.1.2 Industry support to research laboratories and academic institutes
  - 7.2.1.3 Rise in government investments in chromatography technologies
  - 7.2.1.4 Increased importance of chromatography tests in drug approvals

#### 7.2.2 RESTRAINT

7.2.2.1 High cost of instruments

#### 7.2.3 CHALLENGE

- 7.2.3.1 Obtaining identical results from UHPLC after transfer of HPLC to UHPLC
- 7.2.4 CHROMATOGRAPHY MARKET, BY TYPE
  - 7.2.4.1 Liquid chromatography
  - 7.2.4.2 Gas chromatography
  - 7.2.4.3 Other chromatography techniques
- 7.2.5 MARKET SHARE ANALYSIS, BY KEY PLAYER

#### 7.3 ELECTROPHORESIS

#### 7.3.1 DRIVERS

- 7.3.1.1 Preferred technique for fragile molecules and variants
- 7.3.1.2 Increase in demand for 2D gel electrophoresis
- 7.3.1.3 Lab-on-a-Chip (LOC) technology



#### 7.3.2 RESTRAINT

7.3.2.1 Alternative technologies provide better results

#### 7.3.3 ELECTROPHORESIS MARKET, BY TYPE

- 7.3.3.1 Gel electrophoresis
- 7.3.3.2 Capillary electrophoresis

#### 7.4 DNA SEQUENCERS & AMPLIFIERS

#### 7.4.1 DRIVERS

- 7.4.1.1 Technological advancements
- 7.4.1.2 Increasing public and private investments, funds, and grants
- 7.4.1.3 Rising incidence of infectious diseases and genetic disorders

#### 7.4.2 RESTRAINTS

7.4.2.1 High cost of equipment

#### 7.4.3 DNA SEQUENCERS & AMPLIFIERS MARKET, BY TYPE

- 7.4.3.1 DNA sequencers
  - 7.4.3.1.1 Market share analysis, by key player
- 7.4.3.2 DNA amplifiers
  - 7.4.3.2.1 Thermal Cyclers
  - 7.4.3.2.2 Real-time PCR
  - 7.4.3.2.3 Others

#### 7.5 LAB AUTOMATION

#### **7.5.1 DRIVERS**

- 7.5.1.1 Process miniaturization leading to low reagent cost and high productivity
- 7.5.1.2 Progress in drug discovery and clinical diagnostics
- 7.5.1.3 Large workforce demand and supply gap
- 7.5.1.4 Greater productivity and reduction in costs
- 7.5.1.5 Smaller volumes of samples and reagents required

#### 7.5.2 RESTRAINTS

- 7.5.2.1 Automation not a priority for small- and medium-sized labs
- 7.5.2.2 Indefinite data interchange/communication standards

#### 7.5.3 LAB AUTOMATION MARKET, BY TYPE

- 7.5.3.1 Automatic liquid handling
- 7.5.3.2 Microplate readers
- 7.5.3.3 Standalone robots
- 7.5.3.4 Automated storage and retrieval systems
- 7.5.3.5 Software and informatics
- 7.5.3.6 Others
- 7.5.4 MARKET SHARE ANALYSIS, BY KEY PLAYER

#### 7.6 SPECTROSCOPY

7.6.1 DRIVERS



- 7.6.1.1 Global alliances amongst leading research institutes to boost drug discovery
- 7.6.1.2 Atomic absorption spectroscopy to aid in the drug safety process
- 7.6.1.3 Increasing life science R&D spending

#### 7.6.2 RESTRAINTS

- 7.6.2.1 High costs restrict purchase
- 7.6.2.2 Need for skilled professionals
- 7.6.3 SPECTROSCOPY MARKET, BY TYPE
  - 7.6.3.1 Molecular spectroscopy
    - 7.6.3.1.1 Market share analysis, by key player
  - 7.6.3.2 Atomic spectroscopy
  - 7.6.3.2.1 Market share analysis, by key player
  - 7.6.3.3 Mass spectrometry
    - 7.6.3.3.1 Market share analysis, by key player

#### 7.7 IMMUNOASSAY

#### 7.7.1 DRIVERS

- 7.7.1.1 Rising incidence of chronic and infectious diseases in emerging economies
- 7.7.1.2 Increasing number of approvals for immunoassay techniques
- 7.7.1.3 Advantages such as high sensitivity, low cost, and faster turnaround times
- 7.7.1.4 Increasing health awareness

#### 7.7.2 RESTRAINTS

- 7.7.2.1 Low detection restricts adoption of immunoassay tests
- 7.7.2.2 Pricing pressure for some tests due to competition from lower cost-per-test technologies
  - 7.7.3 IMMUNOASSAY MARKET, BY TYPE
    - 7.7.3.1 Enzyme immunoassay (EIA)
    - 7.7.3.2 Fluorescence immunoassay (FIA)
    - 7.7.3.3 Chemiluminescence immunoassay (CLIA)
    - 7.7.3.4 Radioimmunoassay (RIA)
    - 7.7.3.5 Others
  - 7.7.4 MARKET SHARE ANALYSIS, BY KEY PLAYER

#### 7.8 MICROARRAY

#### 7.8.1 DRIVERS AND OPPORTUNITIES

- 7.8.1.1 Growth in personalized medicine
- 7.8.1.2 Technological advances
- 7.8.1.3 Increasing application areas

#### 7.8.2 RESTRAINT

- 7.8.2.1 Lack of technical know-how
- 7.8.3 MICROARRAYS MARKET, BY TYPE
- 7.8.3.1 DNA microarrays



- 7.8.3.2 Protein microarrays
- 7.8.3.3 Tissue microarrays
- 7.8.3.4 Cell microarrays

#### 7.9 FLOW CYTOMETRY

- **7.9.1 DRIVERS** 
  - 7.9.1.1 Technological advancements in flow cytometry instruments
  - 7.9.1.2 Fostering use of flow cytometry techniques in research activities
  - 7.9.1.3 Increasing use of flow cytometry in clinical trials
  - 7.9.1.4 Increasing use of flow cytometry in HIV and cancer research
- 7.9.1.5 Launch of new reagents for specific applications like diagnostics and drug discovery
  - 7.9.2 RESTRAINTS
    - 7.9.2.1 High cost of instruments
    - 7.9.2.2 Reluctance among researchers in emerging countries to use flow cytometry
  - 7.9.2.3 Lack of awareness and dearth of training
  - 7.9.3 FLOW CYTOMETRY MARKET, BY TYPE
    - 7.9.3.1 Cell-based flow cytometry
    - 7.9.3.2 Bead-based flow cytometry
    - 7.9.3.3 Others
  - 7.9.4 MARKET SHARE ANALYSIS, BY KEY PLAYER
- 7.10 OTHER INSTRUMENTS
  - 7.10.1 CENTRIFUGES
  - 7.10.2 LABORATORY BALANCES
    - 7.10.2.1 Driver
    - 7.10.2.1.1 Technological advancements in laboratory balances
    - 7.10.2.2 Challenge
      - 7.10.2.2.1 Effect of environmental disturbances
  - 7.10.3 INCUBATORS
    - 7.10.3.1 Drivers
      - 7.10.3.1.1 Genetic engineering will drive the market
- 7.10.3.1.2 Stem cells and biological therapeutics increase the demand for CO2 incubators
  - 7.10.3.2 Challenge
    - 7.10.3.2.1 Contamination A Major Concern
  - 7.10.4 FUME HOODS
  - 7.10.4.1 Driver
    - 7.10.4.1.1 Improvements in device structure
  - 7.10.4.2 Restraint
  - 7.10.4.2.1 High electricity consumption



#### 8 LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET, BY END USER

۶	۲ ۲	1 1	IN	IT	R	$\cap$	$\Box$	Ш	C٦	Пι	$\cap$	N

- 8.2 CHROMATOGRAPHY
  - 8.2.1 PHARMACEUTICAL COMPANIES AND CROS
  - 8.2.2 BIOTECHNOLOGY AND BIOPHARMACEUTICAL COMPANIES
  - 8.2.3 ACADEMIC RESEARCH LABORATORIES
  - 8.2.4 AGRICULTURE & FOOD INDUSTRY
  - 8.2.5 ENVIRONMENTAL TESTING
  - **8.2.6 OTHERS**
- 8.3 ELECTROPHORESIS
  - 8.3.1 PHARMACEUTICAL COMPANIES AND CROS
- 8.3.2 BIOTECHNOLOGY COMPANIES AND LIFE SCIENCE RESEARCH

#### **INSTITUTIONS**

- 8.3.3 FORENSIC SCIENCE AND CLINICAL DIAGNOSTIC LABORATORIES
- 8.3.4 ACADEMIC INSTITUTIONS
- **8.3.5 OTHERS**
- 8.4 DNA SEQUENCERS & AMPLIFIERS
  - 8.4.1 PHARMA & BIOTECH COMPANIES AND CROS
  - 8.4.2 RESEARCH LABORATORIES AND ACADEMIC INSTITUTES
  - 8.4.3 HOSPITALS AND DIAGNOSTIC CENTERS
  - 8.4.4 FORENSIC SCIENCE LABORATORIES
- 8.5 LAB AUTOMATION
  - 8.5.1 PHARMA & BIOTECH COMPANIES AND CROS
  - 8.5.2 HOSPITALS AND PRIVATE LABS
  - 8.5.3 RESEARCH INSTITUTIONS
  - 8.5.4 ACADEMIC INSTITUTIONS
- 8.6 SPECTROSCOPY
  - 8.6.1 PHARMACEUTICAL COMPANIES AND CROS
  - 8.6.2 BIOTECHNOLOGY AND BIOPHARMACEUTICAL COMPANIES
  - 8.6.3 ENVIRONMENTAL TESTING
  - 8.6.4 FOOD AND BEVERAGE INDUSTRY
  - 8.6.5 INDUSTRIAL CHEMISTRY
  - 8.6.6 ACADEMIC INSTITUTIONS
  - **8.6.7 OTHERS**
- 8.7 IMMUNOASSAYS
  - 8.7.1 HOSPITALS (PRIVATE/PUBLIC)
  - 8.7.2 LABORATORIES (PRIVATE/PUBLIC)



- 8.7.3 PHARMACEUTICAL & BIOTECH COMPANIES AND CROS
- 8.7.4 ACADEMIC INSTITUTIONS
- **8.7.5 OTHERS**
- 8.8 MICROARRAYS
  - 8.8.1 PHARMACEUTICAL AND BIOPHARMACEUTICAL INDUSTRY
  - 8.8.2 RESEARCH LABORATORIES
  - 8.8.3 DIAGNOSTIC LABORATORIES
  - 8.8.4 ACADEMIC INSTITUTIONS
  - 8.8.5 OTHERS
- 8.9 FLOW CYTOMETRY
  - 8.9.1 COMMERCIAL ORGANIZATIONS
  - 8.9.2 ACADEMIC INSTITUTIONS
  - 8.9.3 HOSPITALS
  - 8.9.4 CLINICAL TESTING LABS
  - 8.9.5 MEDICAL SCHOOLS
- 8.10 OTHER INSTRUMENTATION
  - 8.10.1 PHARMACEUTICAL & BIOPHARMACEUTICAL COMPANIES AND CROS
  - 8.10.2 RESEARCH LABORATORIES
  - 8.10.3 ACADEMIC INSTITUTIONS
  - 8.10.4 OTHERS

## 9 GLOBAL LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET, BY REGION

- 9.1 INTRODUCTION
- 9.2 NORTH AMERICA
- 9.2.1 FUNDING IN MEDICAL RESEARCH MAY DEVELOP NEW APPLICATION AREAS FOR ANALYTICAL TECHNOLOGIES
- 9.2.2 DRUG DEVELOPMENT REGULATIONS IN NORTH AMERICA
- 9.2.3 GROWING METABOLOMICS RESEARCH IN THE U.S.
- 9.2.4 CONFERENCES, DISCUSSIONS, SYMPOSIUMS, & SEMINARS
- 9.2.5 RISING PREVALENCE OF CHRONIC DISEASES AND AGING POPULATION 9.3 EUROPE
- 9.3.1 DIRECT AND INDIRECT FINANCIAL INVESTMENTS IN ANALYTICAL INSTRUMENTS
- 9.3.2 STRATEGIC ALLIANCES IN EUROPE TO TRIGGER THE GROWTH OF DRUG DISCOVERY
- 9.3.3 BURGEONING GROWTH OF THE EUROPEAN BIOSIMILARS MARKET
- 9.3.4 CONFERENCES AND SYMPOSIA



## 9.3.5 DEVELOPING PHARMACEUTICAL SECTOR IN RUSSIA 9.4 ASIA-PACIFIC

- 9.4.1 STRATEGIC EXPANSIONS BY KEY MARKET PLAYERS IN EMERGING ASIAN COUNTRIES
- 9.4.2 GROWING PHARMACEUTICAL INDUSTRY IN INDIA AND CHINA
- 9.4.3 EXTENSIVE CROP RESEARCH IN ASIA
- 9.4.4 GOVERNMENT INVESTMENTS IN THE BIOMEDICAL INDUSTRY IN CHINA
- 9.4.5 INFRASTRUCTURAL DEVELOPMENT IN VIETNAM
- 9.4.6 SINGAPORE, AN IMPORTANT MARKET FOR LIFE SCIENCE AND CHEMICAL INSTRUMENTATION
- 9.4.7 CONFERENCES, EXHIBITIONS, & MEETINGS ON ANALYTICAL INSTRUMENTS
- 9.5 REST OF THE WORLD
- 9.5.1 FLOURISHING BIOTECHNOLOGY & PHARMACEUTICAL MARKETS IN BRAZIL AND MEXICO
  - 9.5.2 INCREASING R&D FUNDING IN THE LATIN AMERICAN REGION
- 9.5.3 HIGH PREVALENCE OF HIV IN AFRICAN REGION IS LIKELY TO OPEN NEW GROWTH POTENTIAL FOR THE LAB AUTOMATION, IMMUNOASSAY, AND PCR MARKETS

#### 10 COMPETITIVE LANDSCAPE

- **10.1 INTRODUCTION** 
  - 10.1.1 NEW PRODUCT LAUNCHES
  - 10.1.2 AGREEMENTS, PARTNERSHIPS, AND COLLABORATIONS
  - 10.1.3 EXPANSIONS
  - 10.1.4 ACQUISITIONS
  - 10.1.5 OTHER DEVELOPMENTS

#### 11 COMPANY PROFILES

(Overview, Financials, Products & Services, Strategy, & Developments)\*

- 11.1 INTRODUCTION
- 11.2 AGILENT TECHNOLOGIES, INC.
- 11.3 BECTON, DICKINSON AND COMPANY
- 11.4 BIO-RAD LABORATORIES, INC.
- 11.5 BRUKER CORPORATION
- 11.6 DANAHER CORPORATION



- 11.7 F. HOFFMANN-LA ROCHE LTD.
- 11.8 PERKINELMER, INC.
- 11.9 SHIMADZU CORPORATION
- 11.10 THERMO FISHER SCIENTIFIC, INC.
- 11.11 WATERS CORPORATION
- \*Details on Financials, Product & Services, Strategy, & Developments might not be captured in case of unlisted companies.

#### **12 APPENDIX**

- 12.1 INSIGHTS OF INDUSTRY EXPERTS
- 12.2 DISCUSSION GUIDE
- 12.3 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE
- 12.4 AVAILABLE CUSTOMIZATIONS
- 12.5 RELATED REPORTS



#### **List Of Tables**

#### LIST OF TABLES

Table 1 GLOBAL LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET SIZE, BY TECHNOLOGY, 2012-2019 (\$MILLION)

Table 2 GLOBAL CHROMATOGRAPHY MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 3 GLOBAL CHROMATOGRAPHY MARKET SIZE, BY REGION, 2012–2019 (\$MILLION)

Table 4 LIQUID CHROMATOGRAPHY MARKET SIZE, BY REGION, 2012–2019 (\$MILLION)

Table 5 GAS CHROMATOGRAPHY MARKET SIZE, BY REGION, 2012–2019 (\$MILLION)

Table 6 OTHER CHROMATOGRAPHY TECHNIQUES MARKET SIZE, BY REGION, 2012–2019 (\$MILLION)

Table 7 GLOBAL ELECTROPHORESIS MARKET SIZE, BY TECHNOLOGY, 2012-2019 (\$MILLION)

Table 8 ELECTROPHORESIS MARKET SIZE, BY REGION, 2012-2019 (\$MILLION) Table 9 GEL ELECTROPHORESIS MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 10 CAPILLARY ELECTROPHORESIS MARKET SIZE, BY REGION, 2012- 2019 (\$MILLION)

Table 11 GLOBAL DNA SEQUENCERS & AMPLIFIERS MARKET SIZE, BY TYPE, 2012-2019 (\$MILLION)

Table 12 GLOBAL DNA SEQUENCERS & AMPLIFIERS MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 13 DNA SEQUENCERS MARKET SIZE, BY REGION, 2012-2019 (\$MILLION) Table 14 GLOBAL DNA AMPLIFIERS MARKET SIZE, BY PRODUCT, 2012-2019 (\$MILLION)

Table 15 DNA AMPLIFIERS MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 16 THERMO CYCLERS MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 17 REAL-TIME PCR MARKET SIZE, BY REGION, 2012- 2019 (\$MILLION)

Table 18 OTHER AMPLIFIERS MARKET SIZE, BY REGION, 2012- 2019 (\$MILLION)

Table 19 GLOBAL LAB AUTOMATION MARKET SIZE, BY PRODUCT, 2012-2019 (\$MILLION)

Table 20 LAB AUTOMATION MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)
Table 21 AUTOMATED LIQUID HANDLING MARKET SIZE, BY REGION, 2012-2019
(\$MILLION)



Table 22 MICROPLATE READERS MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 23 STANDALONE ROBOTS MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 24 AUTOMATED STORAGE AND RETRIEVAL SYSTEMS MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 25 SOFTWARE AND INFORMATICS MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 26 OTHER LAB AUTOMATION EQUIPMENT AND SOFTWARE MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 27 GLOBAL SPECTROSCOPY MARKET SIZE, BY TECHNOLOGY, 2012-2019 (\$MILLION)

Table 28 SPECTROSCOPY MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)
Table 29 MOLECULAR SPECTROSCOPY MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 30 ATOMIC SPECTROSCOPY MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 31 MASS SPECTROMETRY MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 32 IMMUNOASSAY MARKET SIZE, BY TECHNOLOGY, 2012-2019 (\$MILLION)

Table 33 IMMUNOASSAY MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 34 ENZYME IMMUNOASSAY MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 35 FLUORESCENCE IMMUNOASSAY MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 36 CHEMILUMINESCENCE IMMUNOASSAY MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 37 RADIOIMMUNOASSAY MARKET SIZE, BY REGION, 2012-2019 (\$MILLION) Table 38 OTHER IMMUNOASSAYS MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 39 GLOBAL MICROARRAY MARKET SIZE, BY TYPE, 2012-2019 (\$MILLION)

Table 40 MICROARRAY MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 41 DNA MICROARRAY MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 42 PROTEIN MICROARRAY MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 43 TISSUE MICROARRAY MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 44 CELL MICROARRAY MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 45 GLOBAL FLOW CYTOMETRY MARKET SIZE, BY TECHNOLOGY, 2012-2019 (\$MILLION)



Table 46 FLOW CYTOMETER ARRAY MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 47 CELL-BASED FLOW CYTOMETRY MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 48 BEAD-BASED FLOW CYTOMETRY MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 49 OTHER FLOW CYTOMETRY TECHNOLOGIES MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 50 GLOBAL OTHER INSTRUMENTS MARKET SIZE, BY TYPE, 2012-2019 (\$MILLION)

Table 51 OTHER INSTRUMENTS MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 52 CENTRIFUGES MARKET SIZE, BY REGION, 2012-2019 (\$MILLION) Table 53 LABORATORY BALANCES MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 54 INCUBATORS MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 55 FUME HOODS MARKET SIZE, BY REGION, 2012-2019 (\$MILLION)

Table 56 GLOBAL CHROMATOGRAPHY MARKET SIZE, BY END USER, 2012–2019 (\$MILLION)

Table 57 GLOBAL ELECTROPHORESIS MARKET SIZE, BY END USER, 2012–2019 (\$MILLION)

Table 58 GLOBAL DNA SEQUENCERS & AMPLIFIERS MARKET SIZE, BY END USER, 2012–2019 (\$MILLION)

Table 59 GLOBAL LAB AUTOMATION MARKET SIZE, BY END USER, 2012–2019 (\$MILLION)

Table 60 GLOBAL SPECTROSCOPY MARKET SIZE, BY END USER, 2012–2019 (\$MILLION)

Table 61 GLOBAL IMMUNOASSAYS MARKET SIZE, BY END USER, 2012–2019 (\$MILLION)

Table 62 GLOBAL MICROARRAYS MARKET SIZE, BY END USER, 2012–2019 (\$MILLION)

Table 63 GLOBAL FLOW CYTOMETRY MARKET SIZE, BY END USER, 2012–2019 (\$MILLION)

Table 64 GLOBAL OTHER INSTRUMENTATION MARKET SIZE, BY END USER, 2012–2019 (\$MILLION)

Table 65 LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET SIZE, BY REGION, 2012–2019 (\$MILLION)

Table 66 NORTH AMERICA: LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)



Table 67 NORTH AMERICA: CHROMATOGRAPHY MARKET SIZE, BY

TECHNOLOGY, 2012–2019 (\$MILLION)

Table 68 NORTH AMERICA: ELECTROPHORESIS MARKET SIZE, BY

TECHNOLOGY, 2012–2019 (\$MILLION)

Table 69 NORTH AMERICA: DNA SEQUENCERS & AMPLIFIERS MARKET SIZE, BY TYPE, 2012–2019 (\$MILLION)

Table 70 NORTH AMERICA: LAB AUTOMATION MARKET SIZE, BY PRODUCT, 2012–2019 (\$MILLION)

Table 71 NORTH AMERICA: SPECTROSCOPY MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 72 NORTH AMERICA: IMMUNOASSAYS MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 73 NORTH AMERICA: MICROARRAYS MARKET SIZE, BY TYPE, 2012–2019 (\$MILLION)

Table 74 NORTH AMERICA: FLOW CYTOMETRY MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 75 NORTH AMERICA: OTHER INSTRUMENTS MARKET SIZE, BY TYPE, 2012–2019 (\$MILLION)

Table 76 EUROPE: LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 77 EUROPE: CHROMATOGRAPHY MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 78 EUROPE: ELECTROPHORESIS MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 79 EUROPE: DNA SEQUENCERS & AMPLIFIERS MARKET SIZE, BY TYPE, 2012–2019 (\$MILLION)

Table 80 EUROPE: LAB AUTOMATION MARKET SIZE, BY PRODUCT, 2012–2019 (\$MILLION)

Table 81 EUROPE: SPECTROSCOPY MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 82 EUROPE: IMMUNOASSAYS MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 83 EUROPE: MICROARRAYS MARKET SIZE, BY TYPE, 2012–2019 (\$MILLION)

Table 84 EUROPE: FLOW CYTOMETRY MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 85 EUROPE: OTHER INSTRUMENTS MARKET SIZE, BY TYPE, 2012–2019 (\$MILLION)

Table 86 ASIA-PACIFIC: LIFE SCIENCE AND CHEMICAL INSTRUMENTATION



MARKET SIZE, BY TECHNOLOGY, 2012-2019 (\$MILLION)

Table 87 ASIA-PACIFIC: CHROMATOGRAPHY MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 88 ASIA-PACIFIC: ELECTROPHORESIS MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 89 ASIA-PACIFIC: DNA SEQUENCERS & AMPLIFIERS MARKET SIZE, BY TYPE, 2012–2019 (\$MILLION)

Table 90 ASIA-PACIFIC: LAB AUTOMATION MARKET SIZE, BY PRODUCT, 2012–2019 (\$MILLION)

Table 91 ASIA-PACIFIC: SPECTROSCOPY MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 92 ASIA-PACIFIC: IMMUNOASSAYS MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 93 ASIA-PACIFIC: MICROARRAYS MARKET SIZE, BY TYPE, 2012–2019 (\$MILLION)

Table 94 ASIA-PACIFIC: FLOW CYTOMETRY MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 95 ASIA-PACIFIC: OTHER INSTRUMENTS MARKET SIZE, BY TYPE, 2012–2019 (\$MILLION)

Table 96 ROW: LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 97 ROW: CHROMATOGRAPHY MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 98 ROW: ELECTROPHORESIS MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 99 ROW: DNA SEQUENCERS & AMPLIFIERS MARKET SIZE, BY TYPE, 2012–2019 (\$MILLION)

Table 100 ROW: LAB AUTOMATION MARKET SIZE, BY PRODUCT, 2012–2019 (\$MILLION)

Table 101 ROW: SPECTROSCOPY MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 102 ROW: IMMUNOASSAYS MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 103 ROW: MICROARRAYS MARKET SIZE, BY TYPE, 2012–2019 (\$MILLION) Table 104 ROW: FLOW CYTOMETRY MARKET SIZE, BY TECHNOLOGY, 2012–2019 (\$MILLION)

Table 105 ROW: OTHER INSTRUMENTS MARKET SIZE, BY TYPE, 2012–2019 (\$MILLION)

Table 106 TOP 5 NEW PRODUCT LAUNCHES, 2012–2014



Table 107 TOP 5 AGREEMENTS, PARTNERSHIPS, AND COLLABORATIONS, 2012–2014

Table 108 TOP 5 GEOGRAPHICAL EXPANSIONS, 2012-2014

Table 109 TOP 5 ACQUISITIONS, 2012-2014

Table 110 TOP 5 OTHER DEVELOPMENTS, 2012-2014



## **List Of Figures**

#### LIST OF FIGURES

Figure 1 RESEARCH DESIGN

Figure 2 BREAKDOWN OF SUPPLY-SIDE PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, & REGION

Figure 3 LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET: BOTTOM-UP APPROACH

Figure 4 LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET: TOP-DOWN APPROACH

Figure 5 LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET: DATA TRIANGULATION

Figure 6 GLOBAL LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET, 2014 (\$MILLION)

Figure 7 GLOBAL LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET, BY TECHNOLOGY, 2014 VS. 2019

Figure 8 GLOBAL LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET, BY REGION, 2014 (\$MILLION)

Figure 9 EMERGING COUNTRIES OFFER HIGH GROWTH OPPORTUNITIES TO PLAYERS IN THE LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET Figure 10 ASIA-PACIFIC DNA SEQUENCERS AND AMPLIFIERS MARKET OFFERS LUCRATIVE GROWTH OPPORTUNITIES FOR PLAYERS

Figure 11 SPECTROSCOPY DOMINATES THE GLOBAL LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET ACROSS ALL GEOGRAPHIC REGIONS Figure 12 SPECTROSCOPY SEGMENT WILL CONTINUE TO DOMINATE THE LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET IN 2019

Figure 13 LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET SEGMENTATION

Figure 14 LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET, BY TECHNOLOGY

Figure 15 LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET SEGMENTATION, BY END USER

Figure 16 DRIVERS, RESTRAINTS, OPPORTUNITIES, & CHALLENGES

Figure 17 INCREASING GOVERNMENT SPENDING ON PHARMACEUTICAL R&D IN EMERGING NATIONS IS PROPELLING THE MARKET GROWTH

Figure 18 HIGH COST OF TECHNOLOGICALLY ADVANCED INSTRUMENTS LIMITS THEIR ADOPTION AMONG LOW-BUDGET END USERS

Figure 19 EMERGING COUNTRIES ARE OFFERING LUCRATIVE GROWTH



OPPORTUNITIES FOR MARKET PLAYERS

Figure 20 VALUE CHAIN OF LIFE SCIENCE AND CHEMICAL INSTRUMENTATION INDUSTRY

Figure 21 PORTER'S FIVE FORCES ANALYSIS

Figure 22 LIQUID CHROMATOGRAPHY SEGMENT ACCOUNTED FOR THE LION'S SHARE OF THE GLOBAL CHROMATOGRAPHY MARKET IN 2014

Figure 23 GLOBAL CHROMATOGRAPHY SYSTEMS MARKET SHARE, BY KEY PLAYER, 2014

Figure 24 GEL ELECTROPHORESIS HELD THE LARGEST SHARE OF THE GLOBAL ELECTROPHORESIS MARKET IN 2014

Figure 25 DNA SEQUENCERS AND AMPLIFIERS MARKET IS POISED TO GROW AT A DOUBLE-DIGIT CAGR FROM 2014 TO 2019

Figure 26 BURGEONING PREVALENCE OF HIV WORLDWIDE WILL BOOST THE ADOPTION OF PCR

Figure 27 GLOBAL DNA SEQUENCERS MARKET SHARE, BY KEY PLAYER, 2014 Figure 28 MICROPLATE READERS ARE THE FASTEST-GROWING SEGMENT IN THE GLOBAL LAB AUTOMATION MARKET

Figure 29 INFORMATION FLOW PYRAMID

Figure 30 GLOBAL LAB AUTOMATION MARKET SHARE, BY KEY PLAYER, 2014

Figure 31 MOLECULAR SPECTROSCOPY SEGMENT WILL CONTINUE TO

DOMINATE THE GLOBAL SPECTROSCOPY MARKET IN 2019

Figure 32 GLOBAL MOLECULAR SPECTROSCOPY MARKET SHARE, BY KEY PLAYER, 2014

Figure 33 GLOBAL ATOMIC SPECTROSCOPY MARKET SHARE, BY KEY PLAYER, 2014

Figure 34 GLOBAL MASS SPECTROMETRY MARKET SHARE, BY KEY PLAYER, 2014

Figure 35 ENZYME IMMUNOASSAYS SEGMENT DOMINATED THE GLOBAL IMMUNOASSAY MARKET IN 2014

Figure 36 GLOBAL PREVALENCE OF CANCER

Figure 37 GLOBAL DISTRIBUTION OF CARDIOVASCULAR MORTALITY RATES AMONG MALES, 2011

Figure 38 GLOBAL DISTRIBUTION OF CARDIOVASCULAR MORTALITY RATES AMONG FEMALES, 2011

Figure 39 GLOBAL IMMUNOASSAYS MARKET SHARE, BY KEY PLAYER, 2014 Figure 40 OVER 50% OF THE MICROARRAY MARKET WAS DOMINATED BY DNA MICROARRAYS IN 2014

Figure 41 CELL-BASED FLOW CYTOMETRY SEGMENT DOMINATES THE FLOW CYTOMETRY MARKET



Figure 42 GLOBAL FLOW CYTOMETRY MARKET SHARE, BY KEY PLAYER, 2014 Figure 43 PHARMACEUTICAL COMPANIES AND CROS HOLD THE LARGEST SHARE OF CHROMATOGRAPHY END USERS MARKET

Figure 44 FORENSIC SCIENCE AND CLINICAL DIAGNOSTIC LABORATORIES ARE THE MAJOR END USERS OF ELECTROPHORESIS DEVICES

Figure 45 HOSPITALS AND DIAGNOSTIC CENTERS ARE THE FASTEST-GROWING END-USER SEGMENT OF THE DNA SEQUENCERS AND AMPLIFIERS MARKET Figure 46 THE ADOPTION OF LAB AUTOMATION SOLUTIONS IS INCREASING RAPIDLY AMONG RESEARCH INSTITUTIONS

Figure 47 PHARMACEUTICAL COMPANIES AND CROS COMMAND THE LARGEST SHARE OF THE GLOBAL SPECTROSCOPY END USERS MARKET Figure 48 HOSPITALS ARE THE MAJOR END USERS OF THE IMMUNOASSAYS

**MARKET** 

Figure 49 PHARMA AND BIOPHARMA INDUSTRIES DOMINATE THE MICROARRAY INSTRUMENTATION END USERS MARKET

Figure 50 CLINICAL TESTING LABS IS THE FASTEST-GROWING SEGMENT OF THE FLOW CYTOMETRY END USERS MARKET

Figure 51 ASIA-PACIFIC TO GROW AT THE HIGHEST RATE DURING THE FORECAST PERIOD

Figure 52 AVAILABILITY OF LIFE SCIENCE RESEARCH FUNDING IS DRIVING THE MARKET GROWTH

Figure 53 EUROPEAN LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET SNAPSHOT (2014-2019): DIRECT AND INDIRECT INVESTMENTS IN ANALYTICAL INSTRUMENTS ARE DRIVING THE MARKET GROWTH Figure 54 ASIA-PACIFIC LIFE SCIENCE AND CHEMICAL INSTRUMENTATION MARKET SNAPSHOT (2014-2019): KEY PLAYERS ARE STRATEGICALLY EXPANDING THEIR PRESENCE IN THIS EMERGING MARKET

Figure 55 LEADING MARKET PLAYERS ADOPTED NEW PRODUCT LAUNCHES AS THEIR KEY GROWTH STRATEGY IN 2014

Figure 56 BATTLE FOR MARKET SHARE: NEW PRODUCT LAUNCHES IS THE KEY STRATEGY

Figure 57 GEOGRAPHIC REVENUE MIX OF TOP 5 MARKET PLAYERS

Figure 58 AGILENT TECHNOLOGIES, INC.: COMPANY SNAPSHOT

Figure 59 BECTON, DICKINSON AND COMPANY: COMPANY SNAPSHOT

Figure 60 BIO-RAD LABORATORIES, INC.: COMPANY SNAPSHOT

Figure 61 BRUKER CORPORATION: COMPANY SNAPSHOT

Figure 62 DANAHER CORPORATION: COMPANY SNAPSHOT

Figure 63 F. HOFFMANN-LA ROCHE LTD.: COMPANY SNAPSHOT

Figure 64 PERKINELMER, INC.: COMPANY SNAPSHOT



Figure 65 SHIMADZU CORPORATION: COMPANY SNAPSHOT Figure 66 THERMO FISHER SCIENTIFIC, INC.: COMPANY SNAPSHOT Figure 67 WATERS CORPORATION: COMPANY SNAPSHOT



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