Molecular Diagnostics Market by Application, Technology, End User, Product - Forecast to 2020

Description:

"Molecular Diagnostics Market by Application (Infectious Disease (HIV, HPV, TB), Oncology, Genetics, Microbiology), Technology (PCR, Microarray, DNA Sequencing), End User (Hospital, Laboratories), Product (Instruments, Reagent, Software) - Forecast to 2020"

In this report, the molecular diagnostics market is broadly segmented on the basis of technologies, applications, products & services, and end users. On the basis of technology, the market is segmented into PCR, INAAT, microarrays, hybridization, DNA sequencing and next-generation sequencing (NGS), and other technologies. Among these technologies, PCR is expected to command the largest share while microarrays is expected to grow at the highest rate.

The molecular diagnostics market, by application, is classified into infectious diseases, oncology, genetics, blood screening, microbiology, and others (cardiovascular diseases, neurological diseases, DNA fingerprinting, tissue typing, and food pathogen detection testing). The infectious diseases segment will account for the largest share of the global molecular diagnostics market in 2015, followed by the blood screening and oncology segments.

On the basis of products and services, the molecular diagnostics market is segmented into instruments, reagents, and services & software. The reagents segment is expected to account for the largest share and highest CAGR of the molecular diagnostics market in 2015. Based on end users, the market is segmented into hospital & academic laboratories, reference laboratories, and others (blood banks, local public health laboratories, home health agencies, nursing homes, point-of-care settings, and self-testing). As most diagnostic tests are carried out in-house, the hospital & academic laboratories segment is expected to dominate the market. On the other hand, newly launched, complex, and highly specialized tests are mostly offered only at a few large reference laboratories, owing to which the reference laboratories segment is expected to grow at the highest rate during the forecast period.

The major factors driving this market are high prevalence of infectious diseases and various types of cancer; increasing awareness and acceptance of personalized medicine and companion diagnostics; development of biomarkers; and advancements in molecular techniques, proteomics, and reformations in the reimbursement system. However, increased cost of molecular diagnostics tools, dearth of skilled labor to handle new and complex platforms, and the complex regulatory framework are the major factors restraining the growth of the molecular diagnostics market.

Major players operating in the molecular diagnostics market are Roche Diagnostics (U.S.), QIAGEN N.V. (Netherlands), Hologic Inc. (U.S.), Grifols (Spain), Abbott Laboratories (U.S.), Siemens Healthcare (Germany), Becton, Dickinson and Company (U.S.), Beckman Coulter Inc. (U.S.), bioMérieux SA (France), and Cepheid Inc. (U.S.).

Scope of the Report:
This market study majorly covers the products and services, applications, technologies, and end users for arriving at the overall molecular diagnostics market size in the period from 2015 to 2020.

Market Segmentation:

1. Molecular Diagnostics Market, by Products and Services:
   - Instruments
   - Reagents
   - Services & Software

2. Molecular Diagnostics Market, by Technology:
   - Polymerase Chain Reaction (PCR)
   - Isothermal Nucleic Acid Amplification Technology (INAAT)
   - Hybridization [In Situ Hybridization & Fluorescent In Situ Hybridization (FISH)]
   - DNA Sequencing and Next-generation Sequencing
3. Molecular Diagnostics Market, by Application:
- Infectious Diseases
- Oncology
- Genetics
- Blood Screening
- Microbiology
- Others (Cardiovascular Diseases, Neurological Diseases, and DNA Fingerprinting)

4. Molecular Diagnostics Market, by End User:
- Reference Laboratories
- Hospital Laboratories
- Others (Blood Banks, Local Public Health Laboratories, Home Health Agencies, Nursing Homes, Point-of-care Settings, and Self-testing)

5. Molecular Diagnostics Market, by Region:
North America
- U.S.
- Canada

Europe
- U.K.
- Germany
- France
- Italy
- Spain
- Rest of Europe (RoE)

Asia
- Japan
- India
- China
- Rest of Asia (RoA)

Rest of the World (RoW)

Latin America
- Brazil
- Mexico
- Rest of Latin America (RoLA)

Pacific Countries

Middle East & Africa

Contents:
1 Introduction
1.1 Objectives of the Study
1.2 Market Definition
1.3 Markets 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 Market Size Estimation
2.2 Market Breakdown and Data Triangulation
2.2.1 Key Data From Secondary Sources
2.2.2 Key Data From Primary Sources
2.2.2.1 Key Industry Insights
2.2.3 Assumptions
8.4 Software & Services

9 Molecular Diagnostics Market, by End User
9.1 Introduction
9.2 Hospital/Academic Laboratories
9.3 Reference Laboratories
9.4 Other End Users

10 Molecular Diagnostic Market, by Region
10.1 Introduction
10.2 North America
10.2.1 U.S.
10.2.2 Canada
10.3 Europe
10.3.1 U.K.
10.3.2 Germany
10.3.3 France
10.3.4 Italy
10.3.5 Spain
10.3.6 Rest of Europe (Roe)
10.4 Asia
10.4.1 Japan
10.4.2 India
10.4.3 China
10.4.4 Rest of Asia (Roa)
10.5 Rest of the World (Row)
10.5.1 Latin America
10.5.1.1 Mexico
10.5.1.2 Brazil
10.5.1.3 Rest of Latin America (Rola)
10.5.2 Pacific Countries
10.5.3 Middle East & Africa

11 Competitive Landscape
11.1 Overview
11.2 Market Share Analysis
11.3 Molecular Diagnostics Market Competitor Share Analysis, by Application
11.3.1 Market Share Analysis for Infectious Disease Diagnostics Applications
11.3.2 Market Share Analysis for Blood Screening Applications
11.3.3 Market Share Analysis for Microbiology Applications
11.3.4 Market Share Analysis for Oncology Applications
11.3.5 Market Share Analysis for Genetic Testing
11.4 Molecular Diagnostics Market Share Analysis, by Technology
11.4.1 Polymerase Chain Reaction (Pcr)
11.4.2 Dna Sequencing and Ngs
11.4.3 Microarray
11.4.4 Hybridization (In Situ and Fluorescence)
11.4.5 Isothermal Nucleic Acid Amplification Technology (Inaat)
11.5 Product Approvals
11.6 Agreements, Collaborations, and Partnerships
11.7 New Product Launches
11.8 Acquisitions
11.9 Other Developments

12 Company Profiles
12.1 Introduction
12.2 Abbott Laboratories
12.3 Qiagen N.V.
12.4 Roche Diagnostics
12.5 Hologic, Inc.
12.6 Grifols
12.7 Siemens Healthcare
12.8 Becton, Dickinson and Company
12.9 Beckman Coulter Inc. (Wholly Owned Subsidiary of Danaher Corporation)
12.10 Biomérieux Sa
12.11 Cepheid Inc.

*Details On Financials, Products & Services, Key Strategy, & Recent Developments Might not be Captured in Case of Unlisted Companies.

13 Appendix
13.1 Insights of Industry Experts
13.2 Discussion Guide
13.3 Other Developments
13.3.1 Abbott Laboratories
13.3.2 Qiagen N.V.
13.3.3 Roche Diagnostics
13.3.4 Hologic Inc.
13.3.5 Hologic Inc.
13.3.6 Siemens Healthcare
13.3.7 Becton, Dickinson and Company
13.3.8 Becton, Dickinson and Company
13.4 Introducing Rt: Real-Time Market Intelligence
13.5 Available Customizations
13.6 Related Reports

List of Tables:
Table 1 High Prevalence of Infectious Diseases & Cancer and Growth in Genomics Research to Drive the Molecular Diagnostics Market
Table 2 Requirement of Highly Skilled Labor and Complex Regulatory Framework Restraining Market Growth
Table 3 Developing Countries Provide Significant Growth Opportunities for the Molecular Diagnostics Market
Table 4 Dearth of Trained Professionals is Limiting the Appropriate Use of New Molecular Diagnostic Technologies
Table 5 Molecular Diagnostics Market Size, by Application, 2015-2020 (USD Million)
Table 6 Infectious Disease Diagnostics Market Size, by Region, 2015-2020 (USD Million)
Table 7 North America: Infectious Disease Diagnostics Market Size, by Country, 2015-2020 (USD Million)
Table 8 Europe: Infectious Disease Diagnostics Market Size, by Country, 2015-2020 (USD Million)
Table 9 Asia: Infectious Disease Diagnostics Market Size, by Country, 2015-2020 (USD Million)
Table 10 Row: Infectious Disease Diagnostics Market Size, by Country, 2015-2020 (USD Million)
Table 11 Latin America: Infectious Disease Diagnostics Market Size, by Country, 2015-2020 (USD Million)
Table 12 Infectious Diseases Diagnostics Market Size, by Therapeutic Area, 2015-2020 (USD Million)
Table 13 Hepatitis B Diagnostics Market Size, by Region, 2015-2020 (USD Million)
Table 14 Hepatitis B Diagnostics Market Size, by Region, 2015-2020 (Million Assays)
Table 15 Hepatitis C Market Size, by Region, 2015-2020 (USD Million)
Table 16 Hepatitis C Market Size, by Region, 2015-2020 (Million Assays)
Table 17 Hiv Diagnostics Market Size, by Region, 2015-2020 (USD Million)
Table 18 Hiv Diagnostics Market Size, by Region, 2015-2020 (Million Assays)
Table 19 Tb Diagnostics Market Size, by Region, 2015-2020 (USD Million)
Table 20 Tb Diagnostics Market Size, by Region, 2015-2020 (Million Assays)
Table 21 Ct/Ng Diagnostics Market Size, by Region, 2015-2020 (USD Million)
Table 22 Ct/Ng Diagnostics Market Size, by Region, 2015-2020 (Million Assays)
Table 23 Hpv Diagnostics Market Size, by Region, 2015-2020 (USD Million)
Table 24 Hpv Diagnostics Market Size, by Region, 2015-2020 (Million Assays)
Table 25 Mrsa Diagnostics Market Size, by Region, 2015-2020 (USD Million)
Table 26 Mrsa Diagnostics Market Size, by Region, 2015-2020 (Million Assays)
Table 27 Other Infectious Disease Diagnostics Market Size, by Region, 2015-2020 (USD Million)
Table 28 Oncology Diagnostics Market Size, by Region, 2015-2020 (USD Million)
Table 29 North America: Oncology Diagnostics Market Size, by Country, 2015-2020 (USD Million)
Table 30 Europe: Oncology Diagnostics Market Size, by Country, 2015-2020 (USD Million)
Table 31 Asia: Oncology Diagnostics Market Size, by Country, 2015-2020 (USD Million)
Table 32 Row: Oncology Molecular Diagnostics Market Size, by Country, 2015-2020 (USD Million)
Table 33 Latin America: Oncology Molecular Diagnostics Market Size, by Country, 2015-2020 (USD Million)
Table 34 Oncology Diagnostics Market Size, by Type, 2015-2020 (USD Million)
Table 35 Oncology Molecular Diagnostics Market Size, by Biomarker, 2015-2020 (Million Assays)
Table 36 Prostate Cancer Diagnostics Market Size, by Region, 2015-2020 (USD Million)
Table 37 Breast Cancer Diagnostics Market Size, by Region, 2015-2020 (USD Million)
Table 38 Colorectal Cancer Diagnostics Market Size, by Region, 2015-2020 (USD Million)
Table 39 Other Cancer Diagnostics Market Size, by Region, 2015-2020 (USD Million)
Table 40 Genetic Tests Market Size, by Region, 2015-2020 (USD Million)
Table 41 Europe: Genetics Tests Market Size, by Country, 2015-2020 (USD Million)
Table 42 Asia: Genetic Tests Market Size, by Country, 2015-2020 (USD Million)
Table 44 Row: Genetic Tests Market Size, by Country, 2015-2020 (USD Million)
Table 45 Latin America: Genetic Tests Market Size, by Country, 2015-2020 (USD Million)
Table 46 Blood Screening Market Size, by Region, 2015-2020 (USD Million)
Table 47 North America: Blood Screening Market Size, by Country, 2015-2020 (USD Million)
Table 48 Europe: Blood Screening Market Size, by Country, 2015-2020 (USD Million)
Table 49 Row: Blood Screening Market Size, by Country, 2015-2020 (USD Million)
Table 51 Latin America: Blood Screening Market Size, by Country, 2015-2020 (USD Million)
Table 52 Microbiology Molecular Diagnostics Market Size, by Region, 2015-2020 (USD Million)
Table 53 North America: Microbiology Molecular Diagnostics Market Size, by Country, 2015-2020 (USD Million)
Table 54 Europe: Microbiology Molecular Diagnostics Market Size, by Country, 2015-2020 (USD Million)
Table 56 Row: Microbiology Molecular Diagnostics Market Size, by Country, 2015-2020 (USD Million)
Table 58 Latin America: Microbiology Molecular Diagnostics Market Size, by Region, 2015-2020 (USD Million)
Table 59 North America: Other Molecular Diagnostics Applications Market Size, by Country, 2015-2020 (USD Million)
Table 60 Europe: Other Molecular Diagnostics Applications Market Size, by Country, 2015-2020 (USD Million)
Table 62 Row: Other Molecular Diagnostics Applications Market Size, by Country, 2015-2020 (USD Million)
Table 63 Latin America: Other Molecular Diagnostics Applications Market Size, by Country, 2015-2020 (USD Million)
Table 64 Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 65 Molecular Diagnostics Market Size for Pcr, by Region, 2013-2020 (USD Million)
Table 66 North America: Molecular Diagnostics Market Size for Pcr, by Country, 2013-2020 (USD Million)
Table 67 Europe: Molecular Diagnostics Market Size for Pcr, by Country, 2013-2020 (USD Million)
Table 68 Asia: Molecular Diagnostics Market Size for Pcr, by Country, 2013-2020 (USD Million)
Table 69 Row: Molecular Diagnostics Market Size for Pcr, by Region, 2013-2020 (USD Million)
Table 70 Latin America: Molecular Diagnostics Market Size for Pcr, by Country, 2013-2020 (USD Million)
Table 71 Molecular Diagnostics Market Size for Inaat, by Region, 2013-2020 (USD Million)
Table 72 North America: Molecular Diagnostics Market Size for Inaat, by Country, 2013-2020 (USD Million)
Table 73 Europe: Molecular Diagnostics Market Size for Inaat, by Country, 2013-2020 (USD Million)
Table 74 Asia: Molecular Diagnostics Market Size for Inaat, by Country, 2013-2020 (USD Million)
Table 75 Row: Molecular Diagnostics Market Size for Inaat, by Region, 2013-2020 (USD Million)
Table 76 Latin America: Molecular Diagnostics Market Size for Inaat, by Country, 2013-2020 (USD Million)
Table 77 Molecular Diagnostics Market Size for Microarrays, by Region, 2013-2020 (USD Million)
Table 78 North America: Molecular Diagnostics Market Size for Microarrays, by Country, 2013-2020 (USD Million)
Table 79 Europe: Molecular Diagnostics Market Size for Microarrays, by Country, 2013-2020 (USD Million)
Table 80 Asia: Molecular Diagnostics Market Size for Microarrays, by Country, 2013-2020 (USD Million)
Table 81 Row: Molecular Diagnostics Market Size for Microarrays, by Region, 2013-2020 (USD Million)
Table 82 Latin America: Molecular Diagnostics Market Size for Microarrays, by Country, 2013-2020 (USD Million)
Table 83 Molecular Diagnostics Market Size for Hybridization, by Region, 2013-2020 (USD Million)
Table 84 North America: Molecular Diagnostics Market Size for Hybridization, by Country, 2013-2020 (USD Million)
Table 85 Europe: Molecular Diagnostics Market Size for Hybridization, by Country, 2013-2020 (USD Million)
Table 86 Asia: Molecular Diagnostics Market Size for Hybridization, by Country, 2013-2020 (USD Million)
Table 87 Row: Molecular Diagnostics Market Size for Hybridization, by Region, 2013-2020 (USD Million)
Table 88 Latin America: Molecular Diagnostics Market Size for Hybridization, by Country, 2013-2020 (USD Million)
Table 89 Molecular Diagnostics Market Size for Dna Sequencing and Ngs, by Region, 2013-2020 (USD Million)
Table 90 North America: Molecular Diagnostics Market Size for Dna Sequencing and Ngs, by Country, 2013-2020 (USD Million)
Table 91 Europe: Molecular Diagnostics Market Size for Dna Sequencing and Ngs, by Country, 2013-2020 (USD Million)
Table 92 Asia: Molecular Diagnostics Market Size for Dna Sequencing and Ngs, by Country, 2013-2020 (USD Million)
| Table 93 | Row: Molecular Diagnostics Market Size for Dna Sequencing and Ngs, by Region, 2013-2020 (USD Million) |
| Table 94 | Latin America: Molecular Diagnostics Market Size for Dna Sequencing and Ngs, by Country, 2013-2020 (USD Million) |
| Table 95 | Molecular Diagnostics Market Size for Other Technologies, by Region, 2013-2020 (USD Million) |
| Table 96 | North America: Molecular Diagnostics Market Size for Other Technologies, by Country, 2013-2020 (USD Million) |
| Table 97 | Europe: Molecular Diagnostics Market Size for Other Technologies, by Country, 2013-2020 (USD Million) |
| Table 98 | Asia: Molecular Diagnostics Market Size for Other Technologies, by Country, 2013-2020 (USD Million) |
| Table 99 | Row: Molecular Diagnostics Market Size for Other Technologies, by Region, 2013-2020 (USD Million) |
| Table 100 | Latin America: Molecular Diagnostics Market Size for Other Technologies, by Country, 2013-2020 (USD Million) |
| Table 101 | Molecular Diagnostics Market Size, by Products & Services, 2015-2020 (USD Million) |
| Table 102 | Molecular Diagnostic Reagents Market Size, by Region, 2015-2020 (USD Million) |
| Table 103 | Molecular Diagnostic Reagents Market Size, by Technology, 2015-2020 (USD Million) |
| Table 104 | North America: Molecular Diagnostic Reagents Market Size, by Country, 2015-2020 (USD Million) |
| Table 105 | Europe: Molecular Diagnostic Reagents Market Size, by Country, 2015-2020 (USD Million) |
| Table 106 | Asia: Molecular Diagnostic Reagents Market Size, by Country, 2015-2020 (USD Million) |
| Table 107 | Row: Molecular Diagnostic Reagents Market Size, by Region, 2015-2020 (USD Million) |
| Table 108 | Latin America: Molecular Diagnostic Reagents Market Size, by Country, 2015-2020 (USD Million) |
| Table 109 | Molecular Diagnostic Instruments Market Size, by Region, 2015-2020 (USD Million) |
| Table 110 | Molecular Diagnostic Instruments Market Size, by Technology, 2015-2020 (USD Million) |
| Table 111 | North America: Molecular Diagnostic Instruments Market Size, by Country, 2015-2020 (USD Million) |
| Table 112 | Europe: Molecular Diagnostic Instruments Market Size, by Country, 2015-2020 (USD Million) |
| Table 113 | Asia: Molecular Diagnostic Instruments Market Size, by Country, 2015-2020 (USD Million) |
| Table 114 | Row: Molecular Diagnostic Instruments Market Size, by Region, 2015-2020 (USD Million) |
| Table 115 | Latin America: Molecular Diagnostic Instruments Market Size, by Country, 2015-2020 (USD Million) |
| Table 116 | Molecular Diagnostic Software & Services Market Size, by Region, 2015-2020 (USD Million) |
| Table 117 | North America: Molecular Diagnostic Software & Services Market Size, by Country, 2015-2020 (USD Million) |
| Table 118 | Europe: Molecular Diagnostic Software & Services Market Size, by Country, 2015-2020 (USD Million) |
| Table 119 | Asia: Molecular Diagnostic Software & Services Market Size, by Country, 2015-2020 (USD Million) |
| Table 120 | Row: Molecular Diagnostic Software & Services Market Size, by Region, 2015-2020 (USD Million) |
| Table 121 | Latin America: Molecular Diagnostic Software & Services Market Size, by Country, 2015-2020 (USD Million) |
| Table 122 | Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million) |
| Table 123 | Molecular Diagnostics Market Size for Hospital/Academic Laboratories, by Region, 2013-2020 (USD Million) |
| Table 124 | North America: Molecular Diagnostics Market Size for Hospital/Academic Laboratories, by Country, 2013-2020 (USD Million) |
| Table 125 | Europe: Molecular Diagnostics Market Size for Hospital/Academic Laboratories, by Country, 2013-2020 (USD Million) |
| Table 126 | Asia: Molecular Diagnostics Market Size for Hospital/Academic Laboratories, by Country, 2013-2020 (USD Million) |
| Table 127 | Row: Molecular Diagnostics Market Size for Hospital/Academic Laboratories, by Region, 2013-2020 (USD Million) |
| Table 128 | Latin America: Molecular Diagnostics Market Size for Hospital/Academic Laboratories, by Country, 2013-2020 (USD Million) |
| Table 129 | Molecular Diagnostics Market Size for Reference Laboratories, by Region, 2013-2020 (USD Million) |
| Table 130 | North America: Molecular Diagnostics Market Size for Reference Laboratories, by Country, 2013-2020 (USD Million) |
| Table 131 | Europe: Molecular Diagnostics Market Size for Reference Laboratories, by Country, 2013-2020 (USD Million) |
| Table 132 | Asia: Molecular Diagnostics Market Size for Reference Laboratories, by Country, 2013-2020 (USD Million) |
| Table 133 | Row: Molecular Diagnostics Market Size for Reference Laboratories, by Region, 2013-2020 (USD Million) |
| Table 134 | Latin America: Molecular Diagnostics Market Size for Reference Laboratories, by Country, 2013-
Table 193 India: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 192 India: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 191 India: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 190 India: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 189 Japan: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 188 Japan: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 187 Japan: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 186 Japan: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 185 Asia: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 184 Asia: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 183 Asia: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 182 Asia: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 181 Roe: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 180 Roe: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 179 Roe: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 178 Roe: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 177 Spain: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 176 Spain: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 175 Spain: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 174 Spain: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 173 Italy: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 172 Italy: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 171 Italy: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 170 Italy: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 169 Germany: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 168 Germany: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 167 Germany: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 166 Germany: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 165 France: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 164 France: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 163 France: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 162 France: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 161 U.K.: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 160 U.K.: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 159 U.K.: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 158 U.K.: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 157 Europe: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 156 Europe: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 155 Europe: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 154 Europe: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 153 Canada: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 152 Canada: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 151 Canada: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 150 Canada: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 149 U.S.: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 148 U.S.: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 147 U.S.: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 146 U.S.: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 145 North America: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 144 North America: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 143 North America: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 142 North America: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 141 Molecular Diagnostics Market Size, by Region, 2013-2020 (USD Million)
Table 140 Latin America: Molecular Diagnostics Market Size for Other End Users Laboratories, by Country, 2013-2020 (USD Million)
Table 139 Row: Molecular Diagnostics Market Size for Other End Users, by Region, 2013-2020 (USD Million)
Table 138 Asia: Molecular Diagnostics Market Size for Other End Users, by Country, 2013-2020 (USD Million)
Table 137 Europe: Molecular Diagnostics Market Size for Other End Users, by Country, 2013-2020 (USD Million)
Table 136 North America: Molecular Diagnostics Market Size for Other End Users, by Country, 2013-2020 (USD Million)
Table 194 China: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 195 China: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 196 China: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 197 China: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 198 Roa: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 199 Roa: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 200 Roa: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 201 Roa: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 202 Row: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 203 Row: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 204 Row: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 205 Row: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 206 Latin America: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 207 Latin America: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 208 Latin America: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 209 Latin America: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 210 Mexico: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 211 Mexico: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 212 Mexico: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 213 Mexico: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 214 Brazil: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 215 Brazil: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 216 Brazil: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 217 Brazil: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 218 Rola: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 219 Rola: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 220 Rola: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 221 Rola: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 222 Pacific Countries: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 223 Pacific Countries: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 224 Pacific Countries: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 225 Pacific Countries: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 226 Middle East & Africa: Molecular Diagnostics Market Size, by Technology, 2013-2020 (USD Million)
Table 227 Middle East & Africa: Molecular Diagnostics Market Size, by Application, 2013-2020 (USD Million)
Table 228 Middle East & Africa: Molecular Diagnostics Market Size, by Product, 2013-2020 (USD Million)
Table 229 Middle East & Africa: Molecular Diagnostics Market Size, by End User, 2013-2020 (USD Million)
Table 230 Product Approvals, 2012-2015
Table 231 Agreements, Collaborations, and Partnerships, 2012-2015
Table 232 New Product Launches, 2012-2015
Table 233 Acquisitions, 2012-2015
Table 234 Other Developments, 2012-2015

List of Figures:
Figure 1 Research Design
Figure 2 Market Size Estimation and Data Triangulation
Figure 3 Breakdown of Primary Interviews: by Company Type, Designation, and Region
Figure 4 Molecular Diagnostics Market Snapshot (2015 Vs. 2020)
Figure 5 Reagents to Account for the Largest Share of Molecular Diagnostics Market During the Forecast Period
Figure 6 Hospital & Academic Laboratories to Lead the Market During the Forecast Period
Figure 7 Infectious Diseases Segment Will Continue to Dominate the Molecular Diagnostics Market During the Forecast Period
Figure 8 Microarray Segment Poised to Witness the Highest Growth Rate During the Forecast Period
Figure 9 Product Approvals is the Dominant Strategy Among Market Players
Figure 10 Rising Prevalence of Infectious Diseases & Cancer to Drive Market Growth
Figure 11 Mrsa Will be the Fastest-Growing Segment During the Forecast Period
Figure 12 Infectious Diseases Segment Dominates the Molecular Diagnostics Market in 20
Figure 13 Hospital & Academic Laboratories to Dominate the Molecular Diagnostics Market by 20
Figure 14 Reagents Segment to Grow At the Highest Cagr During the Forecast Period
Figure 15 Molecular Diagnostics Market: Drivers, Restraints, Opportunities, and Threats
Figure 16 Infectious Disease Diagnostics, the Largest Segment of the Market in 20
Figure 17 Mrsa Diagnostics Holds Highest Growth Potential in the Molecular Diagnostics Market for Infectious Diseases During the Forecast Period
Figure 18 North America Will Continue to Lead in Oncology Molecular Diagnostics Market in Forecast Period
Figure 19 Er妃 Assay Segment (By Volume) Will Grow At the Highest Pace During the Forecast Period
Figure 20 North America Will Continue to Dominate Genetics Tests Market During the Forecast Period
Figure 21 Asia is the Fastest-Growing Market for Other Applications
Figure 22 Pcr to Dominate the Molecular Diagnostic Technologies Market During the Forecast Period
Figure 23 North America to Dominate the Pcr Technology Market During the Forecast Period
Figure 24 Asia to Grow At Highest Rate for the Inaat Technology Market During the Forecast Period
Figure 25 North America to Dominate the Microarrays Market During the Forecast Period
Figure 26 North America to Dominate the DNA Sequencing and Next-Generation Sequencing Market During the Forecast Period
Figure 27 North America to Dominate the Other Technologies Market During the Forecast Period
Figure 28 Reagents to Form the Largest Segment of the Molecular Diagnostics Market in 20
Figure 29 Molecular Diagnostic Reagents Market in Asia to Grow At Highest Rate in 20
Figure 30 North America to Command the Largest Share of the Molecular Diagnostic Instruments Market in 2015
Figure 31 Molecular Diagnostics Software & Services Market in Asia to Grow At the Highest Rate
Figure 32 Hospital/Academic Laboratories, the Major End Users of the Molecular Diagnostics Market
Figure 33 North America to Continue to Dominate the Hospital/Academic Laboratories Market During the Forecast Period
Figure 34 Asia: Highest Growth Potential in the Reference Laboratories End-User Market Segment
Figure 35 Germany is the Largest and Fastest-Growing Market for Reference Laboratories
Figure 36 North America is Expected to be the Largest Regional Segment in the Molecular Diagnostics Market for Other End Users
Figure 37 Asia-Pacific Will be the Fastest-Growing Region in the Molecular Diagnostics Market
Figure 38 Asian Market for Molecular Diagnostics Products Shows Significant Growth Opportunities
Figure 39 North America Will Continue to Lead the Global Molecular Diagnostics Market in the Forecast Period
Figure 40 North America Molecular Diagnostics Market Snapshot
Figure 41 Pcr Technology Segment Will Continue to Lead the North American Market
Figure 42 Microarray Technology Segment is Growing At the Fastest Rate During the Forecast Period
Figure 43 Reagent Segment Will Continue to Dominate Molecular Diagnostics Market in Asia
Figure 44 Hospital/Academic Laboratories Dominate Molecular Diagnostics End-User Market in Japan
Figure 45 Latin America Will Continue to Lead the Molecular Diagnostics Market in Row
Figure 46 Infectious Disease Will be the Largest Application Segment of the Molecular Diagnostics Market in Row
Figure 47 Brazil to Command Largest Share of Latin American Molecular Diagnostics Market in 2015
Figure 48 Product Innovation and Agreements, Collaborations, and Partnerships Were Key Strategies Adopted in the Last Three Years
Figure 49 Global Molecular Diagnostics Market Share, by Key Player, 2014
Figure 50 Global Infectious Disease Diagnostics Market Share, by Key Player, 2014
Figure 51 Global Blood Screening Market Share, by Key Player, 2014
Figure 52 Global Microbiology Market Share, by Key Player, 2014
Figure 53 Global Oncology Mdx Diagnostics Market Share, by Key Player, 2014
Figure 54 Global Genetic Testing Mdx Diagnostics Market Share, by Key Player, 2014
Figure 55 Global Molecular Diagnostics Market for Pcr, Market Share Analysis, by Key Player, 2014 (%)
Figure 56 Global Molecular Diagnostics Market for DNA Sequencing and NGS, Market Share Analysis, by Key Player, 2014 (%)
Figure 57 Global Molecular Diagnostics Market for Microarray, Market Share Analysis, by Key Player, 2014 (%)
Figure 58 Global Molecular Diagnostics Market for Hybridization, Market Share Analysis, by Key Player, 2014 (%)
Figure 59 Global Molecular Diagnostics Market for Inaat, Market Share Analysis, by Key Player, 2014 (%)
Figure 60 Battle for Market Share: Product Approvals and Agreements, Collaborations, and Partnerships Were Key Strategies
Figure 61 Geographic Revenue Mix of the Top Five Market Players
Figure 62 Roche Diagnostics: Company Snapshot
Figure 63 Hologic, Inc.: Company Snapshot
Figure 64 Grifols: Company Snapshot
Figure 65 Siemens Healthcare: Company Snapshot
Figure 66 Biomérieux: Company Snapshot

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