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
- Microarrays
- Others (Mass Spectrometry, Flow Cytometry, and Electrophoresis)

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

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