

# **Molecular Diagnostic Market by Product (Reagents & Kits, Systems, Software), Test Type (Lab, PoC), Technology (PCR, INAAT, Sequencing, Microarray), Application (Infectious Diseases, Oncology), End User (Hospital, Diagnostic Lab)—Global Forecast to 2030**

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## **Abstracts**

Molecular Diagnostic Market by Product (Reagents & Kits, Systems, Software), Test Type (Lab, PoC), Technology (PCR, ISH, INAAT, Sequencing, Microarray), Application (Infectious Diseases, Oncology), End User (Hospital, Diagnostic Lab)—Global Forecast to 2030.

The molecular diagnostics market is expected to reach \$46.69 billion by 2030, at a CAGR of 5.6% from 2023 to 2030.

After extensive primary and secondary research, the report provides an in-depth analysis of the molecular diagnostics market. The report also provides insights into the key drivers, restraints, challenges, and opportunities in the molecular diagnostics market. The growth of this market is driven by the rising global geriatric population, the increasing prevalence of communicable & non-communicable diseases, technological advancements in molecular diagnostics, and rising healthcare expenditures. However, unfavorable regulatory frameworks and the high costs of molecular diagnostic tests restrain the growth of this market. Growth opportunities in emerging countries, increasing focus on companion diagnostics, and the rising popularity of direct-to-consumer (DTC) genetic testing are expected to offer growth opportunities for the players operating in this market.

Based on product & service, in 2023, the kits & reagents segment is estimated to account for the largest share of the molecular diagnostics market. The large market

share of this segment is attributed to technological advancements and increased usage of diagnostic kits in healthcare settings.

Based on test type, in 2023, the laboratory test segment is estimated to account for the largest share of the molecular diagnostics market. The large market share of this segment is attributed to its benefits, such as various activities that can be carried out in one room, such as sample processing, diagnosis, and further analysis of the results.

Based on technology, in 2023, the polymerase chain reaction (PCR) segment is estimated to account for the largest share of the molecular diagnostics market. The large market share of this segment is attributed to the advantages of the technology over others, such as the specific detection of rare DNA sequences with accuracy and the launch of advanced high throughput PCR devices.

Based on application, in 2023, the infectious diseases segment is estimated to account for the largest share of the molecular diagnostics market. The large market share of this segment is attributed to the rising prevalence of infectious diseases globally, which includes hepatitis, HIV, healthcare-associated infections (HAIs), and influenza, among others. As these are not age-specific, molecular diagnosis is required for every person affected by these infectious diseases.

Based on end user, in 2023, the hospitals & clinics segment is estimated to account for the largest share of the molecular diagnostics market. The large market share of this segment is attributed to the increase in the number of diagnostic tests done, especially during the COVID-19 pandemic, the rise in technological advancement for diagnostic platforms in hospitals, and the availability of skilled professionals.

An in-depth analysis of the geographical scenario of the molecular diagnostics market provides detailed qualitative and quantitative insights into the five major geographies (North America, Europe, Asia-Pacific, Latin America, the Middle East & Africa) along with the coverage of major countries in each region. In 2023, North America is estimated to account for the largest share of the molecular diagnostics market, followed by Europe, Asia-Pacific, Latin America, and the Middle East & Africa. The rise in prevalence of chronic diseases, increase in venture capital funding, increase in healthcare expenditure, and presence of key companies.

The key players operating in the molecular diagnostics market are F. Hoffmann-La Roche Ltd (Switzerland), Hologic, Inc. (U.S.), QIAGEN N.V. (Netherlands), Danaher Corporation (U.S.), bioMérieux S.A. (France), Becton, Dickinson and Company (BD)

(U.S.), Siemens Healthineers AG (Germany), DiaSorin S.p.A. (Italy), Abbott Laboratories (U.S.), Thermo Fisher Scientific Inc. (U.S.), Agilent Technologies, Inc. (U.S.), Illumina, Inc. (U.S.), and Seegene, Inc. (South Korea).

Scope of the Report:

Global Molecular Diagnostics Market, by Product & Service

Kits & Reagents

Instruments

Software & Services

Global Molecular Diagnostics Market, by Test Type

Laboratory Tests

PoC Tests

Global Molecular Diagnostics Market, by Technology

Polymerase Chain Reaction (PCR)

In Situ Hybridization (ISH)

Isothermal Nucleic Acid Amplification Technology (INAAT)

Microarrays

Mass Spectrometry

Sequencing

Other Technologies

## Global Molecular Diagnostics Market, by Application

### Infectious Diseases

COVID-19

Hepatitis

HIV

Healthcare-associated Infections (HAIs)

Chlamydia trachomatis/ Neisseria gonorrhoeae (CT/NG)

Human papillomavirus (HPV)

Tuberculosis

Influenza

Other Infectious Diseases

### Oncology

Breast Cancer

Colorectal Cancer

Lung Cancer

Prostate Cancer

Lymphoma

Leukemia

Cervical Cancer

Other Cancer Types

Genetic Testing

Neurological Diseases

Cardiovascular Diseases

Other Applications

### Global Molecular Diagnostics Market, by End User

Hospitals & Clinics

Diagnostic Laboratories

Academic & Research Institutes

Other End Users

### Global Molecular Diagnostics Market, by Geography

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Spain

Rest of Europe (RoE)

Asia-Pacific

China

Japan

India

Australia

Rest of Asia-Pacific (RoAPAC)

Latin America

Brazil

Mexico

Rest of Latin America (RoLATAM)

Middle East & Africa

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