

# **Molecular Diagnostics Market Size, Trends, Analysis, and Outlook By Product (Instruments, Reagents, Others), By Technology (Polymerase chain reaction (PCR), In Situ Hybridization (ISH), Isothermal Nucleic Acid Amplification Technology (INAAT), Chips and Microarrays, Mass Spectrometry, Sequencing, Transcription Mediated Amplification (TMA), Others, By Application (Oncology, Infectious Diseases, Genetic Testing, Neurological Disease, Cardiovascular Disease, Microbiology, Others), By Test (Point of Care, Self-test or OTC, Central Laboratories), by Region, Country, Segment, and Companies, 2024-2030**

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## **Abstracts**

The global Molecular Diagnostics market size is poised to register 10.77% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Molecular Diagnostics market across By Product (Instruments, Reagents, Others), By Technology (Polymerase chain reaction (PCR), In Situ Hybridization (ISH), Isothermal Nucleic Acid Amplification Technology (INAAT), Chips and Microarrays, Mass Spectrometry, Sequencing, Transcription Mediated Amplification (TMA), Others, By Application (Oncology, Infectious Diseases, Genetic Testing, Neurological Disease, Cardiovascular Disease, Microbiology, Others), By Test (Point of Care, Self-test or OTC, Central Laboratories).

The Molecular Diagnostics market is experiencing robust growth driven by

advancements in genomics and proteomics, increasing prevalence of infectious diseases and cancer, and growing demand for personalized medicine. Molecular diagnostics involves the analysis of nucleic acids and proteins to detect genetic variations, pathogens, and biomarkers associated with various diseases. Factors such as the rising adoption of companion diagnostics, technological innovations in polymerase chain reaction (PCR), next-generation sequencing (NGS), and microarray technologies, and expanding applications in infectious disease testing, oncology, and genetic disorders are driving market expansion. Additionally, the growing awareness about early disease detection, the shift towards decentralized testing and point-of-care molecular diagnostics, and the integration of molecular testing into routine clinical practice are fueling market growth. Moreover, the increasing investments in research and development, collaborations between diagnostic companies and pharmaceutical firms, and supportive regulatory frameworks are driving innovation in the market. Furthermore, efforts to improve assay sensitivity and specificity, enhance data interpretation algorithms, and address challenges related to reimbursement and regulatory compliance are expected to further propel market growth in the foreseeable future.

## Molecular Diagnostics Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Molecular Diagnostics market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Molecular Diagnostics survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Molecular Diagnostics industry.

## Key market trends defining the global Molecular Diagnostics demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

## Molecular Diagnostics Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Molecular Diagnostics industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Molecular Diagnostics companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Molecular Diagnostics industry

Leading Molecular Diagnostics companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Molecular Diagnostics companies.

Molecular Diagnostics Market Study- Strategic Analysis Review

The Molecular Diagnostics market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Molecular Diagnostics Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Molecular Diagnostics industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

## Molecular Diagnostics Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

## North America Molecular Diagnostics Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Molecular Diagnostics market segments. Similarly, Strong end-user demand is encouraging Canadian Molecular Diagnostics companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Molecular Diagnostics market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

## Europe Molecular Diagnostics Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Molecular Diagnostics industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Molecular Diagnostics market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Molecular Diagnostics Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Molecular Diagnostics in Asia Pacific. In particular, China, India, and South East Asian Molecular Diagnostics markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Molecular Diagnostics Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Molecular Diagnostics Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Molecular Diagnostics market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Molecular Diagnostics.

Molecular Diagnostics Market Company Profiles

The global Molecular Diagnostics market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Abbott, Agilent Technologies, Inc., bioMérieux SA, Bio-Rad Laboratories, Inc., Danaher, F. Hoffmann-La Roche, Ltd., Grifols, S.A., Hologic Inc. (Gen Probe), Illumina, Inc., QIAGEN,

Siemens Healthineers AG, Sysmex Corporation

Recent Molecular Diagnostics Market Developments

The global Molecular Diagnostics market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Molecular Diagnostics Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Product

Instruments

Reagents

Others

By Technology

Polymerase chain reaction (PCR)

In Situ Hybridization (ISH)

Isothermal Nucleic Acid Amplification Technology (INAAT)

Chips and Microarrays

Mass Spectrometry

Sequencing

Transcription Mediated Amplification (TMA)

Others

By Application

Oncology

-Breast Cancer

-Prostate Cancer

-Colorectal Cancer

-Cervical Cancer

-Other Cancers

Pharmacogenomics

## Infectious Diseases

- Methicillin-resistant Staphylococcus Aureus (MRSA)

- Clostridium Difficile

- Vancomycin-resistant Enterococci (VRE)

- Carbapenem-resistant Bacteria

- Flu

- Respiratory Syncytial Virus (RSV)

- Candida

- Other Infectious Diseases

## Genetic Testing

- Newborn Screening

- Predictive and Presymptomatic Testing

- Other Genetic Testing

## Neurological Disease

## Cardiovascular Disease

## Microbiology

## Others

## By Test

## Point of Care



Self-test or OTC

Central Laboratories

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Abbott

Agilent Technologies, Inc.

bioMérieux SA

Bio-Rad Laboratories, Inc.

Danaher

F. Hoffmann-La Roche, Ltd.

Grifols, S.A.

Hologic Inc. (Gen Probe)

Illumina, Inc.

QIAGEN

Siemens Healthineers AG

Systemx Corporation

Formats Available: Excel, PDF, and PPT

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    - Reagents

Others

By Technology

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In Situ Hybridization (ISH)

Isothermal Nucleic Acid Amplification Technology (INAAT)

Chips and Microarrays

Mass Spectrometry

Sequencing

Transcription Mediated Amplification (TMA)

Others

By Application

Oncology

-Breast Cancer

-Prostate Cancer

-Colorectal Cancer

-Cervical Cancer

-Other Cancers

Pharmacogenomics

Infectious Diseases

-Methicillin-resistant Staphylococcus Aureus (MRSA)

-Clostridium Difficile

-Vancomycin-resistant Enterococci (VRE)

-Carbapenem-resistant Bacteria

-Flu

-Respiratory Syncytial Virus (RSV)

-Candida

-Other Infectious Diseases

Genetic Testing

-Newborn Screening

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-Other Genetic Testing

Neurological Disease

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Abbott

Agilent Technologies, Inc.

bioMérieux SA

Bio-Rad Laboratories, Inc.

Danaher

F. Hoffmann-La Roche, Ltd.

Grifols, S.A.

Hologic Inc. (Gen Probe)

Illumina, Inc.

QIAGEN

Siemens Healthineers AG

Sysmex Corporation

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