

Oncology-Based Molecular Diagnostics Market Size, Trends, Analysis, and Outlook By Type (Breast Cancer, Prostate Cancer, Colorectal Cancer, Cervical Cancer, Liver Cancer, Lung Cancer, Blood Cancer, Kidney Cancer, Others), By Product (Instruments, Reagents, Others), By Technology (PCR, In situ hybridization, INAAT, Chips and microarrays, Mass spectrometry, Sequencing, TMA, Others), by Region, Country, Segment, and Companies, 2024-2030

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Abstracts

The global Oncology-Based Molecular Diagnostics market size is poised to register 13.11% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Oncology-Based Molecular Diagnostics market across By Type (Breast Cancer, Prostate Cancer, Colorectal Cancer, Cervical Cancer, Liver Cancer, Lung Cancer, Blood Cancer, Kidney Cancer, Others), By Product (Instruments, Reagents, Others), By Technology (PCR, In situ hybridization, INAAT, Chips and microarrays, Mass spectrometry, Sequencing, TMA, Others).

The Oncology-Based Molecular Diagnostics market is witnessing significant growth attributed to the increasing adoption of precision medicine approaches for cancer diagnosis, prognosis, and treatment selection, along with the growing demand for companion diagnostics to support targeted oncology therapies. Molecular diagnostics play a critical role in oncology by enabling the detection of genetic mutations, gene fusions, chromosomal rearrangements, and tumor biomarkers associated with cancer initiation, progression, and drug response. Key drivers of market growth include the

expanding oncology patient population, the rising incidence of cancer worldwide, and the increasing adoption of next-generation sequencing (NGS) and polymerase chain reaction (PCR) technologies for high-throughput molecular profiling of tumors. Additionally, the advancements in liquid biopsy and circulating tumor DNA (ctDNA) analysis, the development of multiplexed assays for comprehensive genomic profiling, and the integration of artificial intelligence (AI) algorithms for data interpretation and clinical decision support are driving innovation in the market. Moreover, the growing demand for non-invasive and real-time monitoring solutions, the emergence of novel biomarkers and predictive signatures for patient stratification, and the increasing regulatory approvals for oncology-based molecular diagnostics are fueling market expansion. Furthermore, the rising investments in biomarker discovery and validation studies, the integration of molecular diagnostics into standard-of-care oncology workflows, and the collaborations between diagnostic companies and pharmaceutical firms for co-development initiatives are expected to drive market growth in the foreseeable future.

Oncology-Based 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 Oncology-Based Molecular Diagnostics market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Oncology-Based 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 Oncology-Based Molecular Diagnostics industry.

Key market trends defining the global Oncology-Based 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.

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

The Oncology-Based 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 Oncology-Based 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 Oncology-Based Molecular Diagnostics industry

Leading Oncology-Based 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 Oncology-Based Molecular Diagnostics companies.

Oncology-Based Molecular Diagnostics Market Study- Strategic Analysis Review

The Oncology-Based 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.

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

The Oncology-Based 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.

Oncology-Based 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 Oncology-Based 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 Oncology-Based Molecular Diagnostics market segments. Similarly, Strong end-user demand is encouraging Canadian Oncology-Based Molecular Diagnostics companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Oncology-Based Molecular Diagnostics market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Oncology-Based 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 Oncology-Based 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 Oncology-Based 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 Oncology-Based 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 Oncology-Based Molecular Diagnostics in Asia Pacific. In particular, China, India, and South East Asian Oncology-Based 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 Oncology-Based 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 Oncology-Based 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 Oncology-Based Molecular Diagnostics market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Oncology-Based Molecular Diagnostics.

Oncology-Based Molecular Diagnostics Market Company Profiles

The global Oncology-Based 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, Bayer AG, Becton, Dickinson and Company, Cepheid, Danaher, F. Hoffmann-La Roche Ltd, Hologic Inc, Qiagen, Siemens, Sysmex

Recent Oncology-Based Molecular Diagnostics Market Developments

The global Oncology-Based 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.

Oncology-Based 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 Type

Breast Cancer

Prostate Cancer

Colorectal Cancer

Cervical Cancer

Liver Cancer

Lung Cancer

Blood Cancer

Kidney Cancer

Others

By Product

Instruments

Reagents

Others

By Technology

PCR

In situ hybridization

INAAT

Chips and microarrays

Mass spectrometry

Sequencing

TMA

Others

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

Bayer AG

Becton, Dickinson and Company

Cepheid

Danaher

F. Hoffmann-La Roche Ltd

Hologic Inc

Qiagen

Siemens

Sysmex

Formats Available: Excel, PDF, and PPT

Contents

1. EXECUTIVE SUMMARY

- 1.1 Oncology-Based Molecular Diagnostics Market Overview and Key Findings, 2024
- 1.2 Oncology-Based Molecular Diagnostics Market Size and Growth Outlook, 2021-2030
- 1.3 Oncology-Based Molecular Diagnostics Market Growth Opportunities to 2030
- 1.4 Key Oncology-Based Molecular Diagnostics Market Trends and Challenges
 - 1.4.1 Oncology-Based Molecular Diagnostics Market Drivers and Trends
 - 1.4.2 Oncology-Based Molecular Diagnostics Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading Oncology-Based Molecular Diagnostics Companies

2. ONCOLOGY-BASED MOLECULAR DIAGNOSTICS MARKET SIZE OUTLOOK TO 2030

- 2.1 Oncology-Based Molecular Diagnostics Market Size Outlook, USD Million, 2021-2030
- 2.2 Oncology-Based Molecular Diagnostics Incremental Market Growth Outlook, %, 2021- 2030
- 2.3 Segment Snapshot, 2024

3. ONCOLOGY-BASED MOLECULAR DIAGNOSTICS MARKET- STRATEGIC ANALYSIS REVIEW

- 3.1 Porter's Five Forces Analysis
 - * Threat of New Entrants
 - * Threat of Substitutes
 - * Intensity of Competitive Rivalry
 - * Bargaining Power of Buyers
 - * Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

4. ONCOLOGY-BASED MOLECULAR DIAGNOSTICS MARKET SEGMENTATION ANALYSIS AND OUTLOOK

4.1 Market Segmentation and Scope

4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030

By Type

Breast Cancer

Prostate Cancer

Colorectal Cancer

Cervical Cancer

Liver Cancer

Lung Cancer

Blood Cancer

Kidney Cancer

Others

By Product

Instruments

Reagents

Others

By Technology

PCR

In situ hybridization

INAAT

Chips and microarrays

Mass spectrometry

Sequencing

TMA

Others

4.3 Growth Prospects and Niche Opportunities, 2023- 2030

4.4 Regional comparison of Market Growth, CAGR, 2023-2030

5. REGION-WISE MARKET OUTLOOK TO 2030

5.1 Key Findings for Asia Pacific Oncology-Based Molecular Diagnostics Market, 2025

5.2 Asia Pacific Oncology-Based Molecular Diagnostics Market Size Outlook by Type, 2021- 2030

5.3 Asia Pacific Oncology-Based Molecular Diagnostics Market Size Outlook by Application, 2021- 2030

5.4 Key Findings for Europe Oncology-Based Molecular Diagnostics Market, 2025

5.5 Europe Oncology-Based Molecular Diagnostics Market Size Outlook by Type, 2021- 2030

5.6 Europe Oncology-Based Molecular Diagnostics Market Size Outlook by Application,

2021- 2030

5.7 Key Findings for North America Oncology-Based Molecular Diagnostics Market, 2025

5.8 North America Oncology-Based Molecular Diagnostics Market Size Outlook by Type, 2021- 2030

5.9 North America Oncology-Based Molecular Diagnostics Market Size Outlook by Application, 2021- 2030

5.10 Key Findings for South America Oncology-Based Molecular Diagnostics Market, 2025

5.11 South America Pacific Oncology-Based Molecular Diagnostics Market Size Outlook by Type, 2021- 2030

5.12 South America Oncology-Based Molecular Diagnostics Market Size Outlook by Application, 2021- 2030

5.13 Key Findings for Middle East and Africa Oncology-Based Molecular Diagnostics Market, 2025

5.14 Middle East Africa Oncology-Based Molecular Diagnostics Market Size Outlook by Type, 2021- 2030

5.15 Middle East Africa Oncology-Based Molecular Diagnostics Market Size Outlook by Application, 2021- 2030

6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030

6.1 US Oncology-Based Molecular Diagnostics Market Size Outlook and Revenue Growth Forecasts

6.2 US Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities

6.3 Canada Market Size Outlook and Revenue Growth Forecasts

6.4 Canada Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities

6.6 Mexico Market Size Outlook and Revenue Growth Forecasts

6.6 Mexico Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities

6.7 Germany Market Size Outlook and Revenue Growth Forecasts

6.8 Germany Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities

6.9 France Market Size Outlook and Revenue Growth Forecasts

6.10 France Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities

6.11 UK Market Size Outlook and Revenue Growth Forecasts

6.12 UK Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities

6.13 Spain Market Size Outlook and Revenue Growth Forecasts

6.14 Spain Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities

6.16 Italy Market Size Outlook and Revenue Growth Forecasts

6.16 Italy Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities

- 6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts
- 6.18 Rest of Europe Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities
- 6.19 China Market Size Outlook and Revenue Growth Forecasts
- 6.20 China Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities
- 6.21 India Market Size Outlook and Revenue Growth Forecasts
- 6.22 India Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities
- 6.23 Japan Market Size Outlook and Revenue Growth Forecasts
- 6.24 Japan Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities
- 6.26 South Korea Market Size Outlook and Revenue Growth Forecasts
- 6.26 South Korea Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities
- 6.27 Australia Market Size Outlook and Revenue Growth Forecasts
- 6.28 Australia Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities
- 6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts
- 6.30 South East Asia Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities
- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts
- 6.32 Rest of Asia Pacific Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities
- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts
- 6.34 Brazil Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa Oncology-Based Molecular Diagnostics Industry Drivers and Opportunities

7. ONCOLOGY-BASED MOLECULAR DIAGNOSTICS MARKET OUTLOOK ACROSS SCENARIOS

7.1 Low Growth Case

7.2 Reference Growth Case

7.3 High Growth Case

8. ONCOLOGY-BASED MOLECULAR DIAGNOSTICS COMPANY PROFILES

8.1 Profiles of Leading Oncology-Based Molecular Diagnostics Companies in the Market

8.2 Business Descriptions, SWOT Analysis, and Growth Strategies

8.3 Financial Performance and Key Metrics

Abbott

Agilent Technologies Inc

Bayer AG

Becton, Dickinson and Company

Cepheid

Danaher

F. Hoffmann-La Roche Ltd

Hologic Inc

Qiagen

Siemens

Sysmex

9. APPENDIX

9.1 Scope of the Report

9.2 Research Methodology and Data Sources

9.3 Glossary of Terms

9.4 Market Definitions

9.5 Contact Information

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