

Oncology Molecular Diagnostics Market Size, Trends, Analysis, and Outlook By Product (Instrument, Reagents, Others), By Technology (Polymerase Chain Reaction (PCR), Isothermal Nucleic Acid Amplification Technology (INAAT), DNA Sequencing and Next-Generation Sequencing, In-situ Hybridization, Mass Spectrometry, Transcription Mediated Amplification (TMA), Chips and Microarrays, Others), By Application (Breast Cancer, Prostate Cancer, Colorectal Cancer, Lung Cancer, Blood Cancer, Liver Cancer, Cervical Cancer, Others), By End-User (Hospitals, Diagnostic Centers, Others), by Region, Country, Segment, and Companies, 2024-2030

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Abstracts

The global Oncology Molecular Diagnostics market size is poised to register 12% growth (CAGR) from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Oncology Molecular Diagnostics market By Product (Instrument, Reagents, Others), By Technology (Polymerase Chain Reaction (PCR), Isothermal Nucleic Acid Amplification Technology (INAAT), DNA Sequencing and Next-Generation Sequencing, In-situ Hybridization, Mass Spectrometry, Transcription Mediated Amplification (TMA), Chips and Microarrays, Others), By Application (Breast Cancer, Prostate Cancer, Colorectal Cancer, Lung Cancer, Blood Cancer, Liver Cancer, Cervical Cancer, Others), By End-User (Hospitals, Diagnostic Centers, Others).

The future of oncology molecular diagnostics is shaped by advancements in genomics, liquid biopsy, and digital pathology aimed at enabling early detection, accurate diagnosis, and personalized treatment strategies for cancer patients. Key trends include the development of next-generation sequencing panels, circulating tumor DNA assays, and multiplex gene expression profiling tests that provide comprehensive genomic profiling, tumor mutational burden analysis, and predictive biomarker assessment to guide targeted therapy selection, immunotherapy eligibility, and treatment response monitoring in oncology practice. Additionally, there is a growing emphasis on non-invasive testing modalities, minimal residual disease detection, and spatial transcriptomics techniques that capture tumor heterogeneity, clonal evolution, and immune cell infiltration patterns in tumor tissues and biological fluids. Moreover, advancements in data analytics, artificial intelligence algorithms, and cloud-based platforms enable integration of molecular diagnostic data with clinical decision support systems, electronic health records, and population health initiatives, driving continuous innovation and adoption of oncology molecular diagnostics in precision oncology, translational research, and cancer care delivery pathways worldwide..

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

Key market trends defining the global Oncology 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 Molecular Diagnostics Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Oncology 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 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 Molecular Diagnostics industry

Leading Oncology 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 Molecular Diagnostics companies.

Oncology Molecular Diagnostics Market Study- Strategic Analysis Review

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

The Oncology 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 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 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 Molecular Diagnostics market segments. Similarly, Strong end-user demand is encouraging Canadian Oncology 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 Molecular Diagnostics market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Oncology 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 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 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 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 Molecular Diagnostics in Asia Pacific. In particular, China, India, and South East Asian Oncology 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 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 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 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 Molecular Diagnostics.

Oncology Molecular Diagnostics Market Company Profiles

The global Oncology 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 Laboratories, Agilent Technologies Inc, bioMérieux SA, Danaher Corp, F. Hoffmann La-Roche Ltd, HTG Molecular Diagnostics Inc, Illumina Inc, QIAGEN N.V., Sysmex Corp, TBG Diagnostics Ltd, Thermo Fisher Scientific Inc, Veracyte Inc.

Recent Oncology Molecular Diagnostics Market Developments

The global Oncology 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 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

Stationary 3D and 4D Ultrasound Devices

Portable 3D and 4D Ultrasound Devices

By Display

Color Ultrasound

B/W Ultrasound

By Portability

Trolley or Cart-Based Ultrasound Systems

Compact/Handheld Ultrasound Systems

Point-of-Pare (PoC) Ultrasound Systems

By Application

Radiology or General Imaging

Obstetrics or Gynecology

Cardiology

Urology

Vascular

Orthopedic and Musculoskeletal

Pain Management

Others

By End-User

Hospitals

Surgical Centers and Diagnostic Centers

Maternity Centers

Ambulatory Care Centers

Research and Academia

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 Laboratories

Agilent Technologies Inc

bioMérieux SA

Danaher Corp

F. Hoffmann La-Roche Ltd

HTG Molecular Diagnostics Inc

Illumina Inc

QIAGEN N.V.

Sysmex Corp

TBG Diagnostics Ltd

Thermo Fisher Scientific Inc

Veracyte Inc

Formats Available: Excel, PDF, and PPT

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Color Ultrasound
B/W Ultrasound
By Portability
Trolley or Cart-Based Ultrasound Systems
Compact/Handheld Ultrasound Systems
Point-of-Pare (PoC) Ultrasound Systems
By Application
Radiology or General Imaging
Obstetrics or Gynecology
Cardiology
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Agilent Technologies Inc
bioMérieux SA
Danaher Corp
F. Hoffmann La-Roche Ltd
HTG Molecular Diagnostics Inc
Illumina Inc
QIAGEN N.V.
Sysmex Corp
TBG Diagnostics Ltd
Thermo Fisher Scientific Inc
Veracyte Inc

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