

Biomarker Testing Services Market Set to Double, Reaching USD 25 Billion by 2034

Biomarker Testing Services Market to double from USD 12B in 2024 to USD 25B by 2034, driven by precision medicine, AI integration & rising chronic diseases.

VANCOUVER, BC, CANADA, August 25, 2025 /EINPresswire.com/ -- The global [Biomarker Testing Services Market](#) is poised for strong growth, expected to rise from USD 12.0 billion in 2024 to

USD 25.0 billion by 2034, achieving a compound annual growth rate (CAGR) of 7.9%, according to a new market report. This growth reflects a surge in demand for personalized medicine, early disease detection, and advanced healthcare technologies.



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Rising Demand for Precision Medicine

The market is being shaped by the rapid adoption of precision medicine, which tailors treatments to individual patients. With governments and healthcare systems investing heavily in this approach, biomarker testing is becoming a critical tool in oncology, cardiology, neurology, and infectious disease care.

Oncology, in particular, is set to remain the largest and fastest-growing segment, fueled by rising cancer rates worldwide and the push for more targeted, effective treatments.

Key Growth Drivers

Chronic Disease Burden: The World Health Organization predicts that chronic diseases will increase by 57% by 2030, further boosting the need for reliable biomarker testing.

Technology Integration: Artificial intelligence (AI) and machine learning are revolutionizing biomarker discovery, enabling faster, more accurate diagnoses.

Healthcare Investments: Both public and private sectors are increasing spending on advanced healthcare infrastructure, driving broader access to testing services.

Digital Health Expansion: With digital health investments rising by 15% annually and telemedicine growing at 20% annually, biomarker testing is becoming more integrated into virtual and remote care models.

Regional Outlook

North America is expected to maintain market leadership thanks to cutting-edge technologies and robust healthcare infrastructure.

Asia Pacific will see the fastest growth, powered by rising healthcare investments, expanding patient populations, and growing awareness of personalized medicine.

The section on the competitive landscape offers valuable and actionable insights related to the business sphere of the Biomarker Testing Services market, covering extensive profiling of the key market players. The report offers information about market share, product portfolio, pricing analysis, and strategic alliances such as mergers and acquisitions, joint ventures, collaborations, partnerships, product launches and brand promotions, among others. The report also discusses the initiatives taken by the key companies to combat the impact of the COVID-19 pandemic

Biomarker Testing Services Competitive Strategies & Notable Developments

Top 10 Companies

Roche Diagnostics
Thermo Fisher Scientific
Abbott Laboratories
Qiagen
Bio-Rad Laboratories
Siemens Healthineers
BGI Genomics
Sysmex Corporation
Fujirebio
BioMérieux

Industry Innovations

Leading companies, including Roche Diagnostics, Thermo Fisher Scientific, and Abbott Laboratories, are investing in research and development, product innovation, and strategic partnerships. In 2024, Roche introduced a new AI-driven biomarker testing platform that significantly improved diagnostic speed and accuracy, quickly gaining market traction.

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Challenges Ahead

Despite its promise, the industry faces hurdles:

Regulatory complexity: Strict U.S. and EU regulations increase compliance costs, slowing new market entry.

Workforce shortages: A lack of skilled professionals limits scalability, particularly in emerging regions.

High costs: Advanced biomarker tests remain expensive, restricting accessibility in low- and middle-income countries.

Data challenges: Limited standardization and reproducibility of biomarker studies create barriers to validation.

The report bifurcates the Biomarker Testing Services market on the basis of different product types, applications, end-user industries, and key regions of the world where the market has already established its presence. The report accurately offers insights into the supply-demand ratio and production and consumption volume of each segment.

Biomarker Testing Services Market Segmentation

By Product Type

Consumables

Instruments

Software & Services

By Application

Oncology

Cardiology

Neurology

Infectious Diseases

Others

By End User

Hospitals

Diagnostic Laboratories

Research Institutes

Others

By Technology

Polymerase Chain Reaction (PCR)

Next-Generation Sequencing (NGS)

Immunoassays

Mass Spectrometry
Others

By Distribution Channel

Direct Sales
Distributors
The Road Ahead

Industry experts stress that overcoming these regulatory, operational, and cost challenges is essential for unlocking the market's full potential. With innovation, government support, and investment in talent, biomarker testing is set to transform global healthcare by making early detection and personalized treatment more widely accessible.

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