

Multi-Cancer Early Detection Testing Market Driven by Precision Oncology and Healthcare Investments | DataM Intelligence

Explore the Multi-Cancer Early Detection Testing Market, driven by rising cancer prevalence, AI genomics, liquid biopsy, and precision oncology trends.

AUSTIN, TX, UNITED STATES, October 7, 2025 /EINPresswire.com/ -- According to DataM Intelligence, the [Multi-Cancer Early Detection Testing Market](#) reached US\$ 1.67 billion in 2023 and is projected to rise to US\$ 1.92 billion in 2024, ultimately expected to attain US\$ 7.52 billion by 2033, registering a

robust CAGR of 16.5% during the forecast period 2025–2033. The Multi-Cancer Early Detection (MCED) Testing Market is witnessing remarkable growth, driven by the increasing global cancer burden and the demand for advanced, non-invasive diagnostic solutions. MCED tests enable the simultaneous detection of multiple cancer types through a single blood sample, leveraging

“

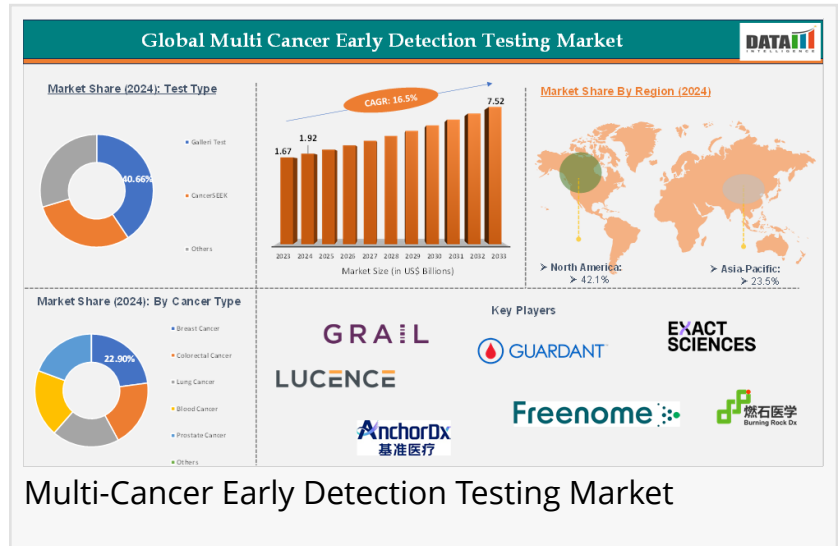
Rising cancer prevalence, advanced screening technologies, and precision oncology initiatives are driving unprecedented growth in the Multi-Cancer Early Detection Testing Market globally.”

DataM Intelligence

innovations in liquid biopsy, genomics, and AI-powered bioinformatics. These technologies are revolutionizing early cancer detection, improving patient survival rates, and enabling personalized treatment strategies. As healthcare systems globally prioritize early detection, MCED testing is emerging as a crucial component in proactive oncology management.

The market's expansion is propelled by several key growth drivers. Rising cancer prevalence, especially in aging populations, lifestyle-related risk factors, and increasing awareness of early diagnosis benefits are major

contributors. Among the test types, the Galleri test, developed by GRAIL, dominates the market, accounting for approximately 40.66% of market share, owing to its ability to detect over 50 types of cancer early using next-generation sequencing and methylation pattern analysis. North



America stands out as the leading region, capturing 42.1% of the market share in 2024, thanks to advanced healthcare infrastructure, high R&D investment, regulatory support, and strong adoption of liquid biopsy-based precision diagnostics.

□□□ □ □□□□□□ □□□ □□□□□□□□ □□ □□□ □□□□□□ (□□□ □□□□□□□□□□ □□□□□ □□ □□□ □ □□□□□ □□□□□□□□□□): <https://www.datamintelligence.com/download-sample/multi-cancer-early-detection-testing-market>

Key Highlights from the Report:

- The global MCED testing market is expected to reach US\$ 7.52 billion by 2033, growing at a CAGR of 16.5%.
- Galleri test holds the largest market share among test types, with over 40% adoption.
- North America leads the market due to high cancer prevalence and advanced diagnostics infrastructure.
- Increasing adoption of liquid biopsy and AI-driven genomics accelerates early detection.
- Rising awareness of precision oncology and proactive cancer screening drives market growth.
- Strategic collaborations and clinical validation studies enhance market credibility and adoption.

Recent Developments:

United States:

1. In July 2025, GRAIL expanded clinical studies of its Galleri® test to include early detection of over 50 cancer types using a single blood sample.
2. In June 2025, Exact Sciences launched a next-generation liquid biopsy platform to enhance multi-cancer detection and monitor minimal residual disease.

Japan:

1. In August 2025, Sysmex Corporation initiated pilot programs for AI-assisted blood-based MCED testing in major Japanese hospitals.
2. In May 2025, Fujirebio developed multi-cancer screening assays combining genomic and protein biomarkers for early-stage detection.

Company Insights

Key players in the global MCED testing market include:

- GRAIL
- Guardant Health

- Exact Sciences
- Burning Rock Biotech
- Lucence Health
- Foundation Medicine (Roche)
- AnchorDx
- Freenome
- Niramai

Market Segmentation:

The multi-cancer early detection testing market is segmented into test types, cancer types, end users, and regions.

By Test Type: The market includes the Galleri test, CancerSEEK, and other emerging MCED solutions. The Galleri test dominates due to strong clinical validation, ease of integration into healthcare systems, and extensive cancer coverage. CancerSEEK, developed by Exact Sciences and collaborators, focuses on early-stage detection of multiple cancers through liquid biopsy and remains a significant growth contributor.

By Cancer Type: The market covers breast, colorectal, lung, blood, and prostate cancers, among others. Breast, lung, and colorectal cancers account for the majority of market demand due to their high prevalence globally.

By End User: Hospitals and clinics are the largest end users, followed by diagnostic laboratories and academic/research institutes, as clinical adoption in routine screening programs is pivotal for market expansion. Diagnostic laboratories are increasingly adopting MCED testing to provide early detection services to a broader population.

Looking For A Detailed Full Report? Get it here: <https://www.datamintelligence.com/buy-now-page?report=multi-cancer-early-detection-testing-market>

Regional Insights:

North America is the largest market for MCED testing, driven by high cancer prevalence, advanced diagnostic infrastructure, strong reimbursement frameworks, and a high level of awareness regarding early detection benefits. Leading developers, such as GRAIL, Exact Sciences, and Guardant Health, have established robust clinical partnerships and leverage regulatory support to introduce innovative screening technologies.

Europe is witnessing steady growth due to increasing government support for cancer research, integration of precision medicine initiatives, and rising awareness of liquid biopsy advantages.

Asia-Pacific represents an emerging market, primarily due to increasing healthcare expenditure,

growing cancer awareness, and the expansion of diagnostic networks. Countries like Japan, China, and India are focusing on screening initiatives, which contribute to regional adoption.

South America and Middle East & Africa remain smaller but promising markets, with growth driven by improving healthcare infrastructure, international collaborations, and increasing prevalence of cancer.

Market Dynamics:

Market Drivers

The rising global prevalence of cancer is the foremost driver for MCED testing market expansion. According to the American Cancer Society, in 2024, around 20 million new cancer cases and 9.7 million deaths were recorded globally, with 53.5 million individuals living within five years of a cancer diagnosis. Early detection through MCED tests, particularly liquid biopsies, allows healthcare systems to significantly reduce treatment costs, enhance survival rates, and streamline patient management. Technological innovations, including AI-driven genomics and cfDNA methylation analysis, improve test sensitivity and provide actionable insights, encouraging widespread adoption.

Market Restraints

Despite its growth potential, the MCED market faces challenges. High testing costs and limited regulatory approvals can hinder adoption, especially in emerging regions. Additionally, existing MCED tests require improvements in sensitivity and specificity, particularly for stage I cancer detection. False positives and variations due to physiological factors, such as aging and lifestyle habits, can reduce diagnostic accuracy, necessitating further clinical validation.

Market Opportunities

Significant opportunities exist for market expansion through emerging economies, strategic partnerships, and technological advancements. Precision oncology initiatives, integration of AI and bioinformatics, and novel biomarker discovery create potential for new test development. Expanding insurance coverage and reimbursement policies can also facilitate adoption in broader populations, creating a sustainable growth trajectory for the market.

Get Customization in the report as per your requirements:

<https://www.datamintelligence.com/customize/multi-cancer-early-detection-testing-market>

Reasons to Buy the Report:

- Comprehensive analysis of market trends and growth forecasts through 2033.
- Insights into key test types, cancer types, end users, and regional dynamics.
- Detailed profiles of leading MCED test providers and recent developments.
- Identification of market drivers, restraints, and opportunities for strategic planning.
- Expert recommendations for stakeholders to enhance market presence and investment

decisions.

Frequently Asked Questions (FAQs):

- How big is the Multi-Cancer Early Detection Testing Market globally?
- Who are the key players in the MCED testing market?
- What is the projected growth rate of the MCED testing market through 2033?
- What is the market forecast for MCED testing by 2033?
- Which region is estimated to dominate the MCED industry during the forecast period?

Conclusion

The Multi-Cancer Early Detection Testing Market is set to transform cancer diagnostics by providing non-invasive, accurate, and early detection solutions. Technological innovations, growing cancer prevalence, and increasing healthcare awareness are driving substantial growth. With North America leading adoption, and emerging regions following suit, MCED testing is becoming central to precision oncology. Stakeholders and investors stand to benefit from strategic insights, robust growth forecasts, and market opportunities highlighted in the comprehensive report by DataM Intelligence, making it an indispensable resource for navigating the evolving landscape of early cancer detection.

Request for 2 Days FREE Trial Access: <https://www.datamintelligence.com/reports-subscription>

Power your decisions with real-time competitor tracking, strategic forecasts, and global investment insights all in one place.

Competitive Landscape

Sustainability Impact Analysis

KOL / Stakeholder Insights

Unmet Needs & Positioning, Pricing & Market Access Snapshots

Market Volatility & Emerging Risks Analysis

Quarterly Industry Report Updated

Live Market & Pricing Trends

Import-Export Data Monitoring

Have a look at our Subscription Dashboard: <https://www.youtube.com/watch?v=x5oEiqEqTWg>

Related Reports:

[Cancer Therapeutics Market](#)

[Esophageal Cancer Market](#)

Sai Kiran

DataM Intelligence 4market Research LLP

877-441-4866

[email us here](#)

Visit us on social media:

[LinkedIn](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/855984099>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.