

# **Middle East Liquid Biopsy Market Size, Share & Trends Analysis Report By Biomarker, By Technology, By Sample Type, By Application, By Clinical Application, By End Use, By Product, By Region, And Segment Forecasts, 2025 - 2033**

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## **Abstracts**

The Middle East liquid biopsy market size was valued at USD 104.76 million in 2024 and is projected to reach USD 233.95 billion by 2033, growing at a CAGR of 9.28% from 2025 to 2033. The market is driven by increased emphasis on early detection and population-level screening initiatives across the Middle East, fueled by rising cancer prevalence.

For example, in December 2024, Abu Dhabi launched a new blood-based colon cancer test as part of a proactive strategy to improve early detection and survival rates. The program addresses a significant gap in early diagnosis.

In addition, according to data from 2023, 67% of cases of colorectal cancer in Abu Dhabi were discovered at a late stage, which limited treatment options and decreased survival rates. The program, which offers a non-invasive alternative to traditional screening methods, is expected to enhance patient participation and support the UAE broader efforts to improve early detection and outcomes. The market for non-invasive early detection technologies is growing beyond advanced-stage cancer, and the Middle East liquid biopsy market is being boosted by new blood-based screening programs for colorectal and lung cancer.

Rising government and health-system adoption, supported by national pilot programs, is fueling market growth by encouraging wider testing and strengthening healthcare readiness. For instance, in June 2025, M42 entered into a strategic partnership with

AstraZeneca and SOPHiA GENETICS to bring advanced liquid biopsy testing to the UAE, supporting cancer diagnosis, guiding treatment choices, and enabling quicker and more accurate biomarker analysis across various cancer types. Through this collaboration, M42 adopted SOPHiA GENETICS' MSK-ACCESS, powered by the SOPHiA DDM platform, within its testing network, allowing for non-invasive genomic profiling using a simple blood sample.

Government-supported screening initiatives and hospital-led validation studies, such as evaluation by Cleveland Clinic Abu Dhabi and the Abu Dhabi colorectal cancer program, are accelerating early clinical adoption, increasing in test reliability, and moving reimbursement awareness forward throughout the region. The new testing initiative will initially focus on lung, ovarian, breast, colorectal, and pancreatic cancers, among others, addressing some of the region's most pressing cancer issues. Over the next year, the partnership will expand access to liquid biopsy testing to selected major hospitals in the UAE, providing patients with faster and less invasive biomarker insights than traditional tissue biopsies, while also increasing the country's testing capacity and cancer diagnostic capabilities.

Moreover, regional pharmaceutical and medical groups are entering exclusive distribution and partnership agreements that expand commercial availability and strengthen regional laboratory services. For instance, in June 2022, Imagia Canexia Health (Canada) signed a Memorandum of Understanding (MOU) with the Kingdom of Saudi Arabia to distribute its liquid biopsy testing products throughout Saudi Arabia and Middle East region. The company offers liquid biopsy solutions for therapy selection and patient monitoring that can be performed at or near the point of care, eliminating the need to send samples to international centralized laboratories. This approach allows cancer patients all across the region to access advanced precision oncology treatments at a lower cost and faster turnaround time. Such collaborations remove key access barriers, standardize test delivery across local markets, and accelerate the liquid biopsy market's growth.

Furthermore, growing strategic partnerships and commercial rollouts are fueling the Middle East liquid biopsy market, enabling global companies to work closely with regional clinical stakeholders. For instance, in January 2024, Hikma Pharmaceuticals PLC (UK) entered into an agreement with Guardant Health, Inc. (US) for commercialization and marketing of Guardant Health's portfolio of liquid and tissue biopsy tests for cancer screening, recurrence monitoring and tumor mutation profiling across all solid cancers in the Middle East. In addition, the portfolio features tests such as Shield for early cancer screening, Guardant Reveal for detecting minimal residual

disease and tracking recurrence, and Guardant360 along with Guardant360 TissueNext for comprehensive genomic profiling (CGP) across all solid tumors. These alliances help to launch and expand liquid biopsy products across the Middle East, improving accessibility, streamlining distribution, and significantly accelerating market entry and scale-up.

## Middle East Liquid Biopsy Market Report Segmentation

This report forecasts revenue growth and provides an analysis of the latest trends in each of the sub-segments from 2021 to 2033. For the purpose of this report, Grand View Research has segmented the liquid biopsy market on the basis product, sample type, technology, biomarker, application, clinical application, end use, and country.

### Product Outlook (Revenue, USD Million, 2021 - 2033)

Instruments

Consumables Kits and Reagents

Software and Services

### Sample Type Outlook (Revenue, USD Million, 2021 - 2033)

Blood Sample

Others

### Technology Outlook (Revenue, USD Million, 2021 - 2033)

Multi-gene parallel Analysis (NGS)

Single Gene Analysis (PCR Microarrays)

### Biomarker Outlook (Revenue, USD Million, 2021 - 2033)

Circulating Nucleic Acids

CTC

Exosomes/Microvesicles

Circulating Proteins

Application Outlook (Revenue, USD Million, 2021 - 2033)

Cancer

Lung Cancer

Prostate Cancer

Breast Cancer

Colorectal Cancer

Leukemia

Gastrointestinal Cancer

Others

Reproductive Health

Others

Clinical Application Outlook (Revenue, USD Million, 2021 - 2033)

Therapy Selection

Treatment Monitoring

Early Cancer Screening

Recurrence Monitoring

Others

End Use Outlook (Revenue, USD Million, 2021 - 2033)

Hospitals and Laboratories

Specialty Clinics

Academic and Research Centers

Others

Country Outlook (Revenue, USD Million, 2021- 2033)

Saudi Arabia

UAE

Kuwait

Oman

Qatar

Rest of Middle East

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