

# U.S. Non-Invasive Cancer Diagnostics Market Size, Share, & Trends Analysis Report By Product (Pathology-based Instruments, Imaging Instruments), By Technology, By Indication, By End User, And Segment Forecasts, 2026 - 2033

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## Abstracts

### U.S. Non-Invasive Cancer Diagnostics Market Summary

The U.S. non-invasive cancer diagnostics market size was estimated at USD 27.08 billion in 2025 and is projected to reach USD 47.52 billion in 2033, growing at a CAGR of 7.4% from 2026 to 2033. The growth is driven by the continuous advancements in diagnostic technologies, the rising prevalence of cancer, and increasing initiatives by both private and public organizations aimed at enhancing early detection and treatment.

The U.S. non-invasive cancer diagnostics industry's growth is further driven by strategic expansion initiatives by companies to strengthen commercialization and innovation capabilities. For instance, in June 2025, Dxcover launched its U.S. headquarters in Nashville to accelerate the commercialization of its AI-powered PANAROMIC cancer test in the world's largest life sciences market. The new facility will support partnerships, local manufacturing, and R&D, strengthening its non-invasive, cost-effective cancer screening platform and expanding early detection capabilities.

In addition, increasing demand for early, accurate, and minimally invasive detection methods that improve patient outcomes. Advancements in blood-based and multi-cancer screening technologies are further supporting timely diagnosis and wider clinical adoption. For instance, in September 2025, Exact Sciences launched Cancerguard, a first-of-its-kind multi-cancer early detection blood test in the U.S., capable of identifying over 50 cancer types through multiple biomarkers. The test aims to address gaps in

early diagnosis, demonstrating strong sensitivity and high specificity, and is expected to improve outcomes by enabling earlier detection alongside existing screening methods.

## U.S. Non-invasive Cancer Diagnostics 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 this study, Grand View Research has segmented the U.S. non-invasive cancer diagnostics market report based on product, technology, indication, and end user:

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

#### Instruments

- Pathology-based Instruments

  - Polymerase Chain Reaction (PCR) Instruments

  - Next-generation Sequencing (NGS) Instruments

  - Microarrays

  - Imaging Instruments

    - Magnetic Resonance Imaging (MRI)

    - Computed Tomography (CT)

    - Positron Emission Tomography (PET)

    - Mammography

    - Others (Ultrasound, etc.)

#### Consumables

#### Kits & Reagents

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

Imaging

Liquid Biopsy

Immunoassay

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

Lung Cancer

Breast Cancer

Colorectal Cancer

Prostate Cancer

Blood Cancer

Liver Cancer

Cervical Cancer

Skin Cancer

Others (Thyroid Cancer, etc.)

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

Hospitals

Diagnostic Laboratories

Others (Academic & Research Institutes, etc.)

**This report can be delivered to the clients within 3 Business Days**

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