

Global Next-Gen Oncology Devices & Solutions Market to Hit \$32.73B by 2029, Growing at 18.6% CAGR

The Business Research Company's Next-Gen Oncology Devices & Solutions Global Market Report 2025 – Market Size, Trends, And Global Forecast 2025-2034

LONDON, GREATER LONDON, UNITED KINGDOM, June 20, 2025

/EINPresswire.com/ -- In the recent years, the next-generation oncology devices and solutions market has

shown rapid signs of growth, outpacing other healthcare sectors. A report published by The Business Research Company reveals that the market size, which stood at \$ 13.90 billion in 2024, is poised to grow to \$16.52 billion in 2025, reflecting a compound annual growth rate CAGR of 18.9%. This bursts of growth is attributed to various factors such as the rising incidence of cancer

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globally, expansion in oncology research and clinical trials, burgeoning precision medicine, a surge in hospital and diagnostic infrastructure, and heightened awareness of early cancer screening.

What Can We Expect From The Next-Generation Oncology Devices And Solutions Market in The Coming Years? Fueled by the devastating impacts of cancer, the market for next-generation oncology devices and solutions is expected to witness a sharp upturn in the upcoming years. Expanding at a CAGR of 18.6%, the market is predicted to

reach a staggering \$32.73 billion by 2029.

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What Are The Key Drivers Behind The [Next-Generation Oncology Devices And Solutions Market Growth?](#)

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Next-Generation Oncology Devices And Solutions
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Various factors will pave the way for this growth, including the aging global population, rising investment in oncology startups, increasing healthcare expenditures, growing demand for non-invasive or minimally invasive diagnostics, and the expansion of healthcare infrastructures. The forecast period will also see major trends including artificial intelligence powered diagnostic imaging, advancements in liquid biopsy, personalized medicine platforms, wearables for health monitoring, robotics, and minimally invasive surgical tools.

Who Are The Major Players Operating In The Next-Generation Oncology Devices And Solutions Market?

Taking the lead in this growing landscape are esteemed companies such as Johnson & Johnson Services Inc., Siemens AG, Merck & Co. Inc., Thermo Fisher Scientific Inc., Novartis AG, Koninklijke Philips N.V., GE HealthCare Technologies Inc., Agilent Technologies Inc., Illumina Inc., Sysmex Corporation, QIAGEN N.V., Exact Sciences Corporation, Elekta AB, Myriad Genetics Inc., Takara Bio USA Inc., NeoGenomics Inc., Guardant Health Inc., Accuray Incorporated, SOPHiA GENETICS SA, Paige.AI Inc., Deep Bio Inc., and Lucida Medical Ltd.

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What [Segments Is The Next-Generation Oncology Devices And Solutions Market](#) Divided Into?

In terms of market segmentation, the next-generation oncology devices and solutions market can be broken down as follows:

- 1 By Cancer Type: Breast Cancer, Cervical Cancer, Colorectal Cancer, Lung Cancer
- 2 By Technology: Next-Generation Sequencing NGS, Polymerase Chain Reaction PCR, DNA Microarrays, Multiplexing, Other Technologies
- 3 By Application: Screening And Early Detection, Prognostics And Monitoring, Therapy Selection, Recurrence Monitoring, Other Applications
- 4 By End Use: Hospitals And Clinics, Diagnostic Laboratories, Academic And Research Institutions, Other End Uses

Diving deeper into the segmentation the market can also be analyzed based on subsegments, including but not limited to, types of Breast Cancer Invasive Ductal Carcinoma, Invasive Lobular Carcinoma, Triple-Negative Breast Cancer, HER2-Positive Breast Cancer, types of Cervical Cancer Squamous Cell Carcinoma, Adenocarcinoma, Adenosquamous Carcinoma, and types of Lung Cancer Non-Small Cell Lung Cancer, Small Cell Lung Cancer, Lung Adenocarcinoma, Squamous Cell Lung Carcinoma.

How Is The Next-Generation Oncology Devices And Solutions Market Spread Across Different Regions?

Region-wise, North America was the largest contributor to the next-generation oncology devices and solutions market in 2024. The regions covered in the report include Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, Africa.

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