

Cancer or Tumor Profiling Market to Witness 10.8% CAGR, Reaching USD 35.36 Billion by 2034

The growing existence of cancer globally is a prominent factor driving the cancer or tumor profiling market.

NEW YORK CITY, NY, UNITED STATES, January 23, 2025 /EINPresswire.com/ -- The [cancer or tumor](#)

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It involves technologies such as next-generation sequencing (NGS), polymerase chain reaction (PCR), immunohistochemistry (IHC), and mass spectrometry.”

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Polaris Market Research

[profiling market](#) forecast for 2034 is a specialized study of the industry with a specific concentration on the global market trend analysis.

The cancer or tumor profiling market is augmenting. The market is approximated to reach USD 35.36 billion by 2034. It was valued at USD 12.65 billion in 2024. It exhibited a CAGR of 10.8% from 2025 to 2034.

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Tumor profiling examinations provide details about genes in cancer cells. These genes are in tumor cells, not in the usual cells in the individual's body. Tumor profiling tests

observe motifs of expression or a series of genes in a specimen of the tumor extracted in the course of the biopsy and surgery.

The gene profiles of a handful of tumors may assist in forecasting whether or not cancer is disposed to metastasize in the time to come. Often, this detail can be utilized to spearhead breast cancer staging and cure. The growing existence of cancer globally, the progression in precision medicine, and the escalating funding in oncology research are impacting the cancer or tumor profiling market growth favorably.

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The aggressive topography is portrayed by notable funding in R&D, with contenders concentrating on technological invention and the advancement of strong diagnostic and remedial solutions. Perceptions divulge an escalating inclination towards tactical associations and acquisitions to augment commodity portfolios and market penetration.

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- Illumina
- Thermo Fisher Scientific
- Qiagen
- Hoffmann-La Roche
- Agilent Technologies
- Bio-Rad Laboratories
- PerkinElmer
- Foundation Medicine (a Roche subsidiary)
- Guardant Health

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- In October 2024, Illumina declared an association with AstraZeneca to advance progressive NGS-dependent consort diagnostics, bracing its position in oncology solutions.
- In September 2024, Thermo Fisher instigated its OncoPrint Comprehensive Assay Plus, an earmarked NGS solution outlined to locate critical mutations in solid tumors, displaying its dedication to augmenting diagnostic alternatives in the arena of cancer genomics.

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The graphic features a dark background with a glowing, red, spherical tumor-like structure in the center, surrounded by intricate, branching red lines that resemble a vascular network or neural pathways. The overall aesthetic is scientific and high-tech. In the top left corner, the logo for 'POLARIS MARKET RESEARCH' is displayed next to the title 'Cancer or Tumor Profiling Market'. In the bottom right corner, a black box contains the text 'US\$ 35.36 BN' in white, with 'Market Size 2034' written in smaller white text below it.

Cancer or Tumor Profiling Market

- Acquisition of Liquid Biopsy: The acquisition of liquid biopsy is modifying cancer profiling by sanctioning minimally invasive diagnostics and observing. Liquid biopsies inspect circulating tumor DNA (ctDNA), RNA, and exosomes in blood specimens, offering perspective into tumor diversity and genetic mutations without the requirement of tissue specimens.
- Surging Next-Generation Sequencing: Next-generation sequencing (NGS) is surfacing as a foundation technology in cancer profiling because of its potential to offer complete genomic particulars. NGS sanctions the coinciding analysis of manifold genes, recognizing mutations, gene fusions, and alternate modifications that push tumor advancement. This, in turn, is having a favorable impact on cancer or tumor profiling market sales.
- Growing Usage of Artificial Intelligence: Artificial intelligence (AI) is being considerably combined into cancer profiling to improve diagnostic precision and data analysis. AI algorithms can inspect extensive data sets involving genomic, transcriptomic, and proteomic profiles to recognize motifs and biomarkers with elevated accuracy.

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- North America: North America accounted for the largest cancer or tumor profiling market share. The region's robust growth is primarily due to a progressive healthcare framework, elevated acquisition of precision medicine, and notable funding in cancer research.
- Europe: Europe is anticipated to witness significant growth from 2025 to 2034. This can be attributed to the growing existence of cancer and the acquisition of progressive diagnostic technologies.

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By Cancer Type Outlook:

- Breast Cancer
- Lung Cancer
- Colorectal Cancer
- Prostate Cancer
- Melanoma Cancer
- Others

By Technology Outlook:

- Next-Generation Sequencing (NGS)

- Polymerase Chain Reaction (PCR)
- Immunohistochemistry (IHC)
- In-Situ Hybridization (ISH)
- Microarray
- Others

By Technique Outlook:

- Genomics
- Proteomics
- Epigenetics
- Metabolomics

By Application Outlook:

- Personalized Medicine
- Diagnostics
- Biomarker Discovery
- Prognostics
- Others

By Regional Outlook:

- North America
 - o US
 - o Canada

- Europe
 - o Germany
 - o France
 - o UK
 - o Italy
 - o Spain
 - o Netherlands
 - o Russia
 - o Rest of Europe

- Asia Pacific
 - o China
 - o Japan
 - o India
 - o Malaysia
 - o South Korea
 - o Indonesia
 - o Australia
 - o Vietnam

- o Rest of Asia Pacific
- Middle East & Africa
 - o Saudi Arabia
 - o UAE
 - o Israel
 - o South Africa
 - o Rest of the Middle East & Africa
- Latin America
 - o Mexico
 - o Brazil
 - o Argentina
 - o Rest of Latin America

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The global [cancer or tumor profiling industry](#) is expected to reach USD 35.36 billion by 2034, exhibiting a CAGR of 10.8% during 2025–2034.

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How much is the cancer or tumor profiling market?

The market size was valued at USD 12.65 billion in 2024 and is projected to grow to USD 35.36 billion by 2034.

What are the quantitative units covered in the cancer or tumor profiling market?

The quantitative units covered in the market are revenue in USD billion and CAGR from 2025 to 2034.

Which segment, by cancer type, led the market?

The breast cancer segment led the market.

What is the growth rate of the market?

The global market is projected to register a CAGR of 10.8% during the forecast period.

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Medical Stick To Skin Adhesives Market:

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Polymers, Nanomaterials, Nanotechnology & Nanomedicine, 2024:

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