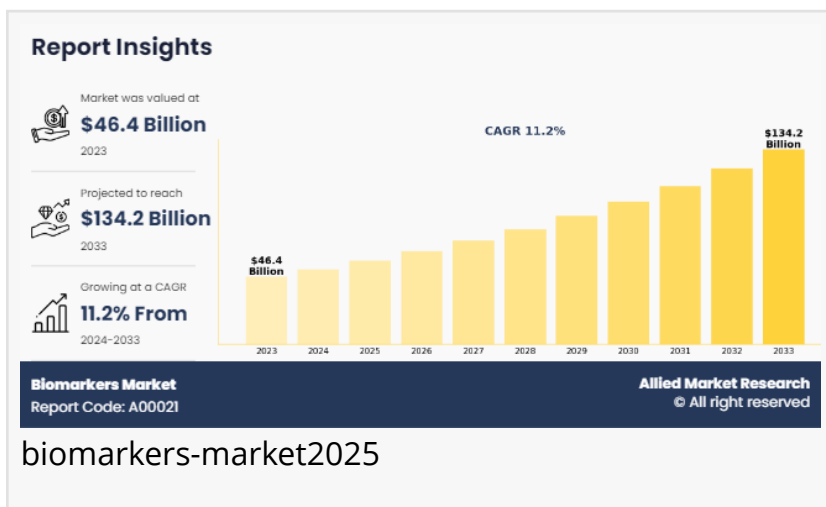


# Biomarkers Market Set to Surge to \$134.2 Billion by 2033 at a 11.2% CAGR | Qiagen N.V, Siemens AG, Merck KGaA, Agilent

PORTLAND, KS, UNITED STATES,  
January 28, 2025 /EINPresswire.com/ --  
What is the size of the biomarker market in the world?

According to the report, the global [biomarkers market](#) size was valued at \$46.4 billion in 2023, and is projected to reach \$134.2 billion by 2033, growing at a CAGR of 11.2% from 2024 to 2033.



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Biomarkers are measurable indicators that serve as objectifiable and quantifiable signs of biological processes, disease states, or responses to therapeutic interventions within an organism. They play a crucial role in the field of healthcare, such as in aiding in disease diagnosis, prognosis, and monitoring treatment efficacy. Moreover, biomarkers facilitate the development and evaluation of new drugs and therapies by enabling researchers to measure their impact on biological systems.

In addition, the rise in prevalence of chronic diseases is expected to contribute significantly to the growth of the biomarkers industry. According to a 2023 report by the National Library of Medicine, it was reported that biomarkers exploration is essential in detecting diseases as it helps predict, diagnose, identify, treat diseases, and understand disease processes.

Biomarkers Statistics:

Disease diagnosis segment is expected to register highest growth during the forecast period and is one of the major biomarkers market trends.

The assay development segment is expected to register the highest growth during the forecast

period.

Asia-Pacific is expected to witness the highest CAGR during the forecast period.

The high development cost of biomarkers stands as a significant restraint for the growth of the biomarkers market.

Furthermore, favorable government initiatives and research grants play a pivotal role in driving advancements within the biomarkers market forecast. Governments across the globe are increasingly recognizing the importance of biomarkers in revolutionizing personalized medicine and enhancing early disease detection. By allocating substantial funding and resources, these initiatives stimulate collaborative research efforts among academic institutions, healthcare organizations, and private enterprises. For instance, the U.S. government provides the NINDS Biomarker Program, which is focused on improving the quality and efficiency of neurotherapeutic clinical research by supporting rigorous biomarker development and validation. This program offers funding opportunities through various mechanisms such as R61/R33 grants for exploratory projects, U01/U44 cooperative agreements for analytical & clinical validation, and SBIR Fast Track grants. The favorable government initiatives have contributed significantly to the R&D initiatives in biomarker technology. Thus, the favorable government initiatives is expected to contribute significantly to the growth of the market.

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Market Segmentation:

The biomarkers market can be segmented based on various criteria, including:

Type of Biomarker:

Protein Biomarkers

Genetic Biomarkers (DNA, RNA, microRNA)

Metabolic Biomarkers

Imaging Biomarkers

Cellular Biomarkers

Other Biomarkers (e.g., epigenetic biomarkers, circulating tumor cells)

Application:

Disease Diagnosis (e.g., cancer, cardiovascular diseases, neurological disorders)

Drug Discovery and Development

Personalized Medicine

Risk Assessment and Prediction

Prognostic and Predictive Biomarkers

Therapeutic Monitoring

Other Applications (e.g., environmental monitoring, agriculture)

End User:

Hospitals and Clinics

Diagnostic Laboratories

Pharmaceutical and Biotechnology Companies

Academic and Research Institutes

Contract Research Organizations (CROs)

Other End Users

Technology:

Immunoassays (ELISA, Western blotting, multiplex assays)

Molecular Assays (PCR, next-generation sequencing)

Imaging Technologies (PET, MRI, CT)

Mass Spectrometry

Flow Cytometry

Other Technologies

Disease Area:

Oncology

Cardiovascular Diseases

Neurological Disorders

Infectious Diseases

Autoimmune Disorders

Metabolic Disorders

Other Disease Areas

Geography:

North America

Europe

Asia-Pacific

Latin America

Middle East and Africa

Key Player Analysis:

F. Hoffmann-La Roche AG

Rewity, Inc.

Qiagen N.V

Thermo Fisher Scientific

Bio-Rad Laboratories, Inc.

Siemens AG

Merck KGaA

GE Healthcare  
Agilent Technologies Inc.  
Abbott Laboratories

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