

# **Biomarkers Market by Product & Service (Consumable, Software), Type (Safety, Efficacy), Research Area, Technology (NGS, PCR, Mass Spectrometry), Disease (Cancer, Infectious), Application (Diagnostics, Clinical Research) - Global Forecast to 2029**

<https://marketpublishers.com/r/B716B1E86B3EN.html>

Date: April 2024

Pages: 507

Price: US\$ 4,950.00 (Single User License)

ID: B716B1E86B3EN

## **Abstracts**

The biomarkers market is expected to reach USD 93.8 billion in 2029 from USD 57.7 billion in 2024, at a CAGR of 10.2% during the forecast period.

The growth of this market can be attributed to the advantage that these assay kits offer standardized and optimized protocols, facilitating accurate and efficient analysis of biomarkers in various biological samples, thus contributing significantly to diagnostic and research endeavors in healthcare. Further, advances in technologies such as genomics, proteomics, metabolomics, and next-generation sequencing have expanded the capabilities of biomarkers. This has led to the development of novel biomarkers with enhanced sensitivity, specificity, and predictive value.

“The predictive biomarkers segment accounted for the largest share by efficacy biomarkers in 2023.”

The biomarkers market by type is segmented into safety biomarkers, efficacy biomarkers, and validation biomarkers. In 2023, the predictive biomarkers segment accounted for the largest share of the efficacy biomarkers segment in the global biomarkers market. Factors such as these biomarkers help tailor treatment strategies to individual patients, maximizing the likelihood of a favorable response while minimizing potential adverse effects. Examples include genetic mutations that predict response to

targeted therapies are driving the growth of this market.

“The Asia Pacific region is growing at the highest CAGR in the biomarkers market during the forecast period of 2024-2029.”

The Asia Pacific region is expected to grow at the highest growth rate during the forecast period. Various factors including the large patient pool undergoing advanced medical testing and policy programs to provide effective care to cancer patients are factors driving the high growth of the APAC market.

Increased research activities from pharmaceutical and biotechnology companies to develop novel drug therapies are expected to boost the growth of the biomarkers market in the Asia Pacific region. As the region continues to invest in drug development, there is a growing demand for biomarkers supporting drug discovery efforts.

The primary interviews conducted for this report can be categorized as follows:

By Respondent: Supply Side- 70% and Demand Side 30%

By Designation: C-level Executives - 55%, Director-level - 20%, and Others - 25%

By Region: North America -45%, Europe -20%, Asia-Pacific -20%, Latin America -10%, Middle East -3%, and Africa-2%.

List of Companies Profiled in the Report:

F. Hoffmann-La Roche Ltd (Switzerland)

Merck KGaA (Germany)

Thermo Fisher Scientific Inc. (US)

Abbott (US)

QIAGEN (Netherlands)

Revvity (US)

Laboratory Corporation of America Holdings (US)

Charles River Laboratories (US)

Bio-Rad Laboratories, Inc. (US)

Eurofins Scientific (Luxembourg)

BIOM?RIEUX (France)

Agilent Technologies, Inc. (US)

JSR Corporation (Japan)

Quanterix (US)

MESO SCALE DIAGNOSTICS, LLC. (US)

EKF Diagnostics (UK)

Celerion (US)

Standard BioTools (US)

Sebia (France)

BioAgilytix Labs (US)

StressMarq Biosciences Inc. (Canada)

NorthEast BioAnalytical Laboratories LLC (US)

Signosis, Inc. (US)

Serimmune (US)

TheraIndx Lifesciences Pvt. Ltd. (India)

Synexa Life Sciences BV (Netherlands)

Diatech Pharmacogenetics (Italy)

Singulex, Inc. (US)

R-Biopharm AG (Germany)

Proteome Sciences (UK)

#### Research Coverage:

This research report categorizes the biomarkers market by product & service (consumables (assay kits, columns & filters, reagents & chemicals), services, and software), type (safety biomarkers, efficacy biomarkers (surrogate biomarkers, pharmacodynamics biomarkers, predictive biomarkers, and prognostic biomarkers), and validation biomarkers), research area (genomics, proteomics, metabolomics, and other research area), technology (immunoassays (western blot, ELISA, and protein microarray), NGS, PCR, mass spectrometry, chromatography, and other technologies), disease indication (cancer, infectious diseases, cardiovascular disorders, immunological disorders, neurological disorders, and other disease indications), application (clinical diagnostics, drug discovery & development, personalized medicines, clinical research, and other applications), end user (pharmaceutical & biotechnologies companies, hospitals & diagnostics laboratories, research & academic institutes, and other end users), and by region (North America, Europe, Asia Pacific, Latin America, Middle East, and Africa). The report provides in-depth information on significant factors influencing the growth of the biomarkers market, including drivers, trends, challenges, and opportunities. A thorough analysis of major industry players has been undertaken to provide insights into their business profiles, products/services, key strategies, collaborations, partnerships, and agreements. Additionally, the report encompasses recent developments such as new product launches, and acquisitions within the biomarkers market.

#### Key Benefits of Buying the Report:

The report will help market leaders/new entrants by providing them with the closest approximations of the revenue numbers for the overall biomarkers market and its subsegments. It will also help stakeholders better understand the competitive landscape

and gain more insights to better position their business and make suitable go-to-market strategies. This report will enable stakeholders to understand the market's pulse and provide them with information on the key market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

Analysis of key drivers (Growing significance of biomarkers in drug discovery and development, Growing importance of companion diagnostics, Increase in global prevalence of cancer, Growing importance of biomarkers for rare conditions, Increase in funds and grants for biomarker research, Advancement in omics technologies and continuous product innovations), restraints (High capital investments and lengthy timelines for biomarker development, Disease complexity, and heterogeneity), opportunities (Shift towards personalized medicine and precision oncology, Enhanced collaboration among healthcare providers and key industry players, Emerging economies), and challenges (Challenges associated with quantification and validation of biomarkers, Challenges associated integration of complex data sets, Technical issues related to sample collection and storage) influencing the growth of the market.

**Product Development/Innovation:** Detailed insights on newly launched products/services of the biomarkers market

**Market Development:** Comprehensive information about lucrative markets - the report analyses the market across varied regions.

**Market Diversification:** Exhaustive information about new products/services, untapped geographies, recent developments, and investments in the biomarkers market

**Competitive Assessment:** F. Hoffmann-La Roche Ltd (Switzerland), Merck KGaA (Germany), Thermo Fisher Scientific Inc. (US), Abbott (US), QIAGEN (Netherlands), Revvity (US), Laboratory Corporation of America Holdings (US), Charles River Laboratories (US), Bio-Rad Laboratories, Inc. (US), Eurofins Scientific (Luxembourg), BIOMERIEUX (France), Agilent Technologies, Inc. (US), JSR Corporation (Japan), Quanterix (US), MESO SCALE DIAGNOSTICS, LLC. (US), EKF Diagnostics (UK), Celerion (US), Standard BioTools (US), Sebia (France), BioAgilytix Labs (US), StressMarq Biosciences Inc. (Canada), NorthEast BioAnalytical Laboratories LLC (US), Signosis, Inc. (US), Serimmune

(US), TheraIndx Lifesciences Pvt. Ltd. (India), Synexa Life Sciences BV (Netherlands), Diatech Pharmacogenetics (Italy), Singulex, Inc. (US), R-Biopharm AG (Germany), and Proteome Sciences (UK) among others in the market.

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