

South Korea Neurological Biomarkers Market Size, Share, Trends and Forecast by Type, Application, End Use, and Region, 2026-2034

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Abstracts

The South Korea neurological biomarkers market size reached USD 211.1 Million in 2025. Looking forward, the market is expected to reach USD 525.9 Million by 2034, exhibiting a growth rate (CAGR) of 10.35% during 2026-2034. The market is witnessing steady growth due to the rising prevalence of neurological disorders, advancements in diagnostic technologies, and increasing research in personalized medicine. Expanding healthcare infrastructure and growing awareness about early disease detection are further contributing to the expansion of the South Korea neurological biomarkers market share.

SOUTH KOREA NEUROLOGICAL BIOMARKERS MARKET TRENDS:

Rising Prevalence of Neurological Disorders and Aging Population

The aging population in South Korea is contributing to a prevalent increase in neurological diseases like Alzheimer's, Parkinson's, and other mental disorders. With an increase in the size of the elderly population, there is increased desperation for early identification and adequate surveillance of the neurodegenerative diseases. Biomarkers in neurology are a significant contribution to discovering conditions in time to conduct specific interventions. As people have become more knowledgeable about the pivotal role of preventative medicine, the need to have high-end diagnostic equipment has become imminent. The government healthcare policies are also coming in line with academic research and are working on establishing a preference in neurological health, which will only increase the demand. This demographic-driven rise in neurological conditions has become a core factor propelling the South Korea neurological biomarkers market growth.

Advancement in Omics Technologies and AI-Based Diagnostics

The integration of advanced technologies such as genomics, proteomics, and metabolomics is significantly enhancing biomarker discovery in South Korea. These omics-based tools, when combined with artificial intelligence and machine learning, enable precise molecular profiling and early diagnosis of neurological diseases. AI algorithms improve diagnostic accuracy by analyzing complex datasets, identifying biomarker patterns, and predicting disease progression. This tech-driven transformation is also fostering the development of personalized treatment plans tailored to individual patient profiles. Increased investment in precision medicine by both government bodies and private firms is driving innovation across diagnostic platforms. As South Korea leads in digital health adoption, the synergy of omics and AI technologies is playing a pivotal role in accelerating market expansion for neurological biomarkers.

Growing Focus on Non-Invasive Diagnostics and R&D Investment

There is a growing preference in South Korea for non-invasive diagnostic methods in neurology, especially blood-based and imaging biomarkers, which offer greater convenience and patient compliance compared to traditional approaches like biopsies or spinal taps. These tools facilitate earlier diagnosis and improve monitoring throughout the treatment process. Simultaneously, significant public and private sector investments in research and development (R&D) are accelerating innovation in biomarker development. Academic institutions, biotech firms, and government agencies are collaborating to support clinical trials, enhance biomarker validation, and promote commercialization. This combined focus on innovation and patient-centered diagnostics is opening new opportunities across hospitals, research labs, and diagnostic centers, positioning non-invasive biomarkers as a cornerstone of the country's evolving neurological healthcare landscape.

SOUTH KOREA NEUROLOGICAL BIOMARKERS MARKET SEGMENTATION:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the country and regional levels for 2026-2034. Our report has categorized the market based on type, application, and end use.

Type Insights:

Genomic Biomarkers

Proteomic Biomarkers

Metabolomic Biomarkers

Imaging Biomarkers

Others

The report has provided a detailed breakup and analysis of the market based on the type. This includes genomic biomarkers, proteomic biomarkers, metabolomic biomarkers, imaging biomarkers, and others.

Application Insights:

Alzheimer's Disease

Parkinson's Disease

Multiple Sclerosis

Autism Spectrum Disorders

Others

A detailed breakup and analysis of the market based on the application have also been provided in the report. This includes Alzheimer's disease, Parkinson's disease, multiple sclerosis, autism spectrum disorders, and others.

End Use Insights:

Hospital Laboratories

Clinical Diagnostic Centers

Research Organizations

Others

The report has provided a detailed breakup and analysis of the market based on the end use. This includes hospital laboratories, clinical diagnostic centers, research organizations, and others.

Regional Insights:

Seoul Capital Area

Yeongnam (Southeastern Region)

Honam (Southwestern Region)

Hoseo (Central Region)

Others

The report has also provided a comprehensive analysis of all the major regional markets, which include Seoul Capital Area, Yeongnam (Southeastern Region), Honam (Southwestern Region), Hoseo (Central Region), and others.

COMPETITIVE LANDSCAPE:

The market research report has also provided a comprehensive analysis of the competitive landscape. Competitive analysis such as market structure, key player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided.

KEY QUESTIONS ANSWERED IN THIS REPORT

How has the South Korea neurological biomarkers market performed so far and how will it perform in the coming years?

What is the breakup of the South Korea neurological biomarkers market on the basis of type?

What is the breakup of the South Korea neurological biomarkers market on the basis of application?

What is the breakup of the South Korea neurological biomarkers market on the basis of end use?

What is the breakup of the South Korea neurological biomarkers market on the basis of region?

What are the various stages in the value chain of the South Korea neurological biomarkers market?

What are the key driving factors and challenges in the South Korea neurological biomarkers market?

What is the structure of the South Korea neurological biomarkers market and who are the key players?

What is the degree of competition in the South Korea neurological biomarkers market?

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