

Guillain-Barre Syndrome Diagnostics Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

<https://marketpublishers.com/r/G46618E128C2EN.html>

Date: February 2025

Pages: 122

Price: US\$ 4,850.00 (Single User License)

ID: G46618E128C2EN

Abstracts

The Global Guillain-Barré syndrome (GBS) Diagnostics Market was valued at USD 148.3 million in 2024 and is projected to expand at a CAGR of 2.9% from 2025 to 2034. The growth is driven by advancements in neurological testing methods and rising awareness of early diagnosis. The increasing prevalence of autoimmune disorders, improved accessibility to diagnostic procedures, and growing investments in healthcare infrastructure contribute to this upward trend. As medical technology evolves, healthcare providers are focusing on enhancing diagnostic accuracy to facilitate timely intervention, reducing the risk of severe complications associated with GBS.

Guillain-Barré syndrome is a rare autoimmune condition in which the body's immune system erroneously attacks the peripheral nerves. This leads to muscle weakness and in severe cases, paralysis. Although the exact cause remains unknown, viral and bacterial infections are considered major triggers. Given the potential severity of the disorder, early detection is crucial, fueling demand for advanced diagnostic tests. Healthcare facilities worldwide are prioritizing GBS screening, integrating state-of-the-art equipment to improve diagnostic precision. Research and development initiatives are also fostering innovation, with companies exploring new biomarker-based testing approaches that could revolutionize the diagnostic landscape.

The market is segmented based on test types, including lumbar puncture, nerve conduction studies, electromyography, and other diagnostic methods. In 2024, the lumbar puncture segment led the market, generating USD 66.3 million. As a gold-standard diagnostic procedure, lumbar puncture enables cerebrospinal fluid analysis, which helps confirm GBS by detecting elevated protein levels with normal white blood cell counts. This method is highly regarded for its reliability and accuracy, making it the

preferred choice among healthcare professionals. With ongoing technological advancements, lumbar puncture techniques continue to improve, ensuring enhanced patient outcomes.

End-use applications of Guillain-Barré syndrome diagnostics include hospitals and clinics, diagnostic laboratories, and other healthcare facilities. Hospitals and clinics dominated the market in 2024, accounting for 62.1% of the total share. These facilities remain the primary settings for GBS diagnosis due to the availability of specialized neurology units, experienced medical professionals, and cutting-edge diagnostic equipment. Neurology centers and general hospitals conduct the majority of GBS tests, including nerve conduction studies, electromyography, and lumbar punctures. The presence of well-equipped laboratories within hospitals ensures that patients receive prompt and accurate diagnoses, reinforcing the dominance of this segment.

In the United States, the Guillain-Barré syndrome diagnostics market generated USD 48.8 million in 2023 and is expected to reach USD 65.7 million by 2034. The rising incidence of GBS has intensified efforts to enhance diagnostic capabilities, with healthcare providers emphasizing early detection and intervention. The country's aging population further contributes to market expansion, as older individuals face an increased risk of developing autoimmune disorders. As a result, demand for innovative diagnostic solutions is growing, prompting manufacturers to invest in research and development. Expanding healthcare policies and improved insurance coverage are also playing a role in accelerating market growth, making GBS diagnostics more accessible across the US healthcare landscape.

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Market scope and definitions
- 1.2 Research design
 - 1.2.1 Research approach
 - 1.2.2 Data collection methods
- 1.3 Base estimates and calculations
 - 1.3.1 Base year calculation
 - 1.3.2 Key trends for market estimation
- 1.4 Forecast model
- 1.5 Primary research and validation
 - 1.5.1 Primary sources
 - 1.5.2 Data mining sources

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry 360° synopsis

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Industry impact forces
 - 3.2.1 Growth drivers
 - 3.2.1.1 Increasing incidence of Guillain-Barre syndrome
 - 3.2.1.2 Growing awareness for the rare disease
 - 3.2.1.3 Technological advancements in diagnostics
 - 3.2.1.4 Rise in aging population
 - 3.2.2 Industry pitfalls and challenges
 - 3.2.2.1 High diagnostic costs
- 3.3 Growth potential analysis
- 3.4 Regulatory landscape
- 3.5 Technological landscape
- 3.6 Future market trends
- 3.7 Gap analysis
- 3.8 Porter's analysis
- 3.9 PESTEL analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

- 4.1 Introduction
- 4.2 Company market share analysis
- 4.3 Company matrix analysis
- 4.4 Competitive analysis of major market players
- 4.5 Competitive positioning matrix
- 4.6 Strategy dashboard

CHAPTER 5 MARKET ESTIMATES AND FORECAST, BY TEST TYPE, 2021 – 2034 (\$ MN)

- 5.1 Key trends
- 5.2 Lumbar puncture
- 5.3 Nerve conduction
- 5.4 Electromyography
- 5.5 Other test types

CHAPTER 6 MARKET ESTIMATES AND FORECAST, BY END USE, 2021 – 2034 (\$ MN)

- 6.1 Key trends
- 6.2 Hospitals and clinics
- 6.3 Diagnostic laboratories
- 6.4 Other end use

CHAPTER 7 MARKET ESTIMATES AND FORECAST, BY REGION, 2021 – 2034 (\$ MN)

- 7.1 Key trends
- 7.2 North America
 - 7.2.1 U.S.
 - 7.2.2 Canada
- 7.3 Europe
 - 7.3.1 Germany
 - 7.3.2 UK
 - 7.3.3 France
 - 7.3.4 Spain
 - 7.3.5 Italy

7.3.6 Netherlands

7.4 Asia Pacific

7.4.1 China

7.4.2 India

7.4.3 Japan

7.4.4 Australia

7.4.5 South Korea

7.5 Latin America

7.5.1 Brazil

7.5.2 Mexico

7.5.3 Argentina

7.6 Middle East and Africa

7.6.1 Saudi Arabia

7.6.2 South Africa

7.6.3 UAE

CHAPTER 8 COMPANY PROFILES

8.1 Alpine Biomed

8.2 Avanos

8.3 Bionen Medical Devices

8.4 Cadwell Industries

8.5 Cardinal Health

8.6 Clarity Medical

8.7 Deymed Diagnostic

8.8 EMS Biomedical

8.9 Medtronic

8.10 Natus Medical Incorporated

8.11 Neurosoft

8.12 Nihon Kohden

8.13 Rochester Electro-Medical

I would like to order

Product name: Guillain-Barre Syndrome Diagnostics Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

Product link: <https://marketpublishers.com/r/G46618E128C2EN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G46618E128C2EN.html>