

# **Human Metapneumovirus Diagnostics Market Size, Share & Trends Analysis Report By Technology (PCR Based Diagnostics, Microarray Technology), By End-use (Hospitals & Clinics, Diagnostic & Reference Laboratories), By Region, And Segment Forecasts, 2025 - 2030**

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## **Abstracts**

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### **Human Metapneumovirus Diagnostics Market Growth and Trends**

The global human metapneumovirus diagnostics market size is anticipated to reach USD 971.30 million by 2030 and is projected to grow at a CAGR 10.43% from 2025 to 2030, according to a new report by Grand View Research, Inc. The human metapneumovirus (hMPV) diagnostics market is experiencing significant growth, driven by the increasing prevalence of respiratory infections caused by hMPV, particularly among vulnerable populations such as children, the elderly, and immunocompromised individuals. hMPV is known to cause respiratory illnesses similar to those caused by influenza and respiratory syncytial virus (RSV), including bronchiolitis, pneumonia, and upper respiratory tract infections. As awareness about hMPV's role in respiratory diseases increases, there is a growing demand for effective diagnostic solutions, contributing to the market's expansion.

Key drivers of this market include advancements in diagnostic technologies, rising healthcare spending, and the growing demand for early and accurate detection of hMPV infections. The increasing prevalence of viral respiratory infections, especially in regions with temperate climates, is also a significant factor propelling growth. Furthermore,

the ongoing development of rapid diagnostic tests, such as PCR-based assays, antigen-based tests, and multiplex PCR platforms, enables faster detection, which is crucial for improving patient outcomes and controlling the spread of infections.

The hMPV diagnostics market is highly competitive, with several prominent players contributing to its growth. Key market participants include Abbott Laboratories, Roche Diagnostics, ThermFisher Scientific, BioMérieux, and Siemens Healthineers. These companies are actively involved in developing new diagnostic tools and platforms to detect hMPV more efficiently. Strategic collaborations, acquisitions, and research and development investments are helping them expand their product portfolios and increase their presence.

Recent market trends highlight a shift towards more sophisticated, rapid, and cost-effective diagnostic methods, such as point-of-care testing and multiplex molecular tests that can detect multiple pathogens simultaneously. These innovations are critical in addressing the growing demand for efficient diagnostics, particularly in resource-limited settings. The market is also witnessing an increased focus on developing tests that provide faster results to aid in timely treatment decisions, which is essential for high-risk patient groups.

Prevalence rates of hMPV infections are rising globally, especially in children under five years of age, as well as in the elderly and those with weakened immune systems. The virus is responsible for a substantial number of respiratory hospitalizations, making it a significant public health concern. Accurate and timely diagnosis is crucial for effective management, and the growing adoption of diagnostic solutions is expected to continue to shape the future of the hMPV diagnostics market.

### Human Metapneumovirus (hMPV) Diagnostics Market Report Highlights

Based on technology, PCR-based diagnostics segment held the largest revenue share of 54.97% in 2024, driven by its high accuracy, sensitivity, and ability to detect low viral loads. PCR assays enable rapid, reliable detection of hMPV, even in early stages of infection, leading to faster diagnosis, better patient outcomes, and enhanced control of viral transmission, especially in high-risk populations.

Based on end use, diagnostic and reference laboratories segment is expected to grow at the fastest CAGR over the forecast period driven

by increasing demand for specialized testing, faster diagnostic results, and more accurate disease detection. These laboratories provide essential services for identifying hMPV and other respiratory infections, supporting both clinical and research settings.

Based on region, North America market dominated the overall global market and accounted for the 41.18% revenue share in 2024 driven by the increasing due to higher awareness, advanced healthcare infrastructure, and increased prevalence of respiratory infections.

The competitive scenario in the Human Metapneumovirus (hMPV) diagnostics market is high. The major companies are undertaking various strategies such as collaborations, new product development, mergers, acquisitions, and geographic expansion for serving the unmet needs of their customers.

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