

# Respiratory Pathogen Testing Kits Market: Growth Outlook, Trends, and Future Forecast–2031

PORTLAND, OR, UNITED STATES, June 18, 2025 /EINPresswire.com/ -- The global [respiratory pathogen testing kits market](https://www.alliedmarketresearch.com/request-sample/A15060) was valued at \$2.2 billion in 2021 and is projected to reach \$3.7 billion by 2031, expanding at a CAGR of 5.5% from 2022 to 2031. This steady growth is driven by increasing awareness about infectious respiratory diseases, technological advancements in diagnostics, and a growing focus on early detection and prevention of outbreaks.



Get a Sample Copy of this Report: <https://www.alliedmarketresearch.com/request-sample/A15060>

## Market Overview

Respiratory tract infections—ranging from mild colds to severe illnesses like pneumonia—are among the most frequent illnesses affecting people worldwide. Lower respiratory tract infections (LRTIs), in particular, are a major cause of hospitalization and death, especially among children and the elderly.

According to the National Institutes of Health (NIH), children under school age can experience 6–10 respiratory viral episodes annually.

Acute respiratory infections account for 30%–40% of hospital admissions in young children.

The ability to accurately and rapidly detect pathogens—such as influenza viruses, RSV, *Streptococcus pneumoniae*, and *Legionella pneumophila*—is key to timely treatment and containment of outbreaks.

## Key Growth Drivers

Rise in respiratory infections globally, including flu and RSV.

Increased awareness and adoption of diagnostic kits post COVID-19.

Technological innovation such as multi-pathogen detection kits.

Supportive government initiatives for early disease diagnosis.

Growing healthcare infrastructure and medical tourism in Asia-Pacific.

Impact of COVID-19

The COVID-19 pandemic significantly influenced the market:

Accelerated research and development of advanced testing kits.

Boosted demand for multiplex tests that detect COVID-19 along with other respiratory viruses.

Companies like LabCorp and Altona Diagnostics launched kits capable of simultaneous detection of multiple infections.

Market Segmentation

By Product Type

RT-PCR Kits

Lateral Flow Test Kits (Largest segment in 2021)

ELISA Kits

Others

□ Lateral flow kits dominated due to their fast results and ease of use in non-laboratory settings.

By Application

Influenza Virus Infection (Dominant segment)

Respiratory Syncytial Virus Infection

Others

□ The growing burden of influenza-related hospitalizations and complications contributes to its leadership in the application segment.

By End User

Hospitals (Largest market share)

Diagnostic Centers

Others

□ Hospitals continue to be the leading end users due to their wide availability of diagnostic tools and patient flow.

Regional Analysis

North America held the largest market share in 2021 due to:

High testing rates

Well-established healthcare infrastructure

Presence of leading diagnostic companies

Asia-Pacific is expected to grow at the fastest CAGR, driven by:

Large patient populations in India and China

Increased government healthcare spending

Local manufacturing and distribution advantages

Market Challenges

Despite strong growth trends, the market faces certain limitations:

Regulatory hurdles and delayed product approvals

Lack of reimbursement policies for diagnostic tests in some regions

Supply chain disruptions, especially during pandemics or global emergencies

Competitive Landscape

Leading market players include:

Abbott Laboratories

bioMérieux Inc.

Danaher Corporation (Cepheid)

Altona Diagnostics

F. Hoffmann-La Roche Ltd.

Siemens Healthineers AG

Thermo Fisher Scientific Inc.

Sysmex Corporation

Mylab Discovery Solutions Pvt Ltd.

Key Strategic Developments  
Product Launches

New England Biolabs (Oct 2020) – RT-qPCR 4X Mix with UDG

Altona Diagnostics (Nov 2020) – AltoStar Influenza Screen & Type Kit

JPT Peptide Technologies (Apr 2020) – Tools for immune profiling against SARS-CoV-2

Acquisitions

Thermo Fisher acquired Mesa Biotech (Feb 2021) – Boosted its diagnostics business by \$200M in expected revenue.

Regulatory Approvals

Altona Diagnostics received FDA EUA and Brazil's ANVISA approvals for their SARS-CoV-2 RT-PCR kits in 2020.

Future Outlook

The future of the respiratory pathogen testing kits market looks promising with:

More multi-pathogen detection technologies

Expansion into rural and underdiagnosed regions

Continued integration with telehealth and digital platforms

Growth in direct-to-consumer (DTC) diagnostics

## Conclusion

The global respiratory pathogen testing kits market is on a growth trajectory fueled by infectious disease prevalence, heightened diagnostic awareness, and continued R&D investments. While challenges exist in the form of regulatory and reimbursement barriers, the market's expansion into emerging regions and its digital transformation signal a bright future for diagnostic innovation.

Enquire Before Buying: <https://www.alliedmarketresearch.com/purchase-enquiry/A15060>

David Correa

Allied Market Research

+ 1800-792-5285

[email us here](#)

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[YouTube](#)

[X](#)

---

This press release can be viewed online at: <https://www.einpresswire.com/article/823258327>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.