



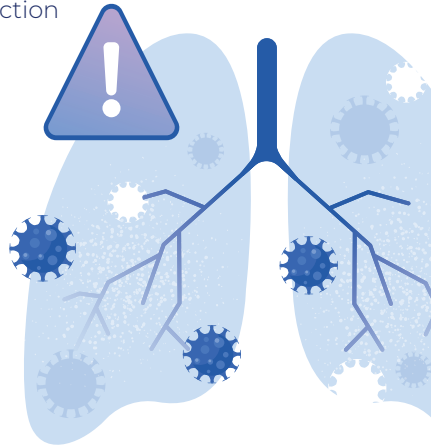
## RESPIRATORY PATHOGEN PANEL (RPP) TESTING

Comprehensive PCR-Based Infectious Disease Detection

**FAST. ACCURATE. LIFE-SAVING.**

### WHY CHOOSE ELITE CLINICAL LABORATORY' RESPIRATORY PATHOGEN PANEL (RPP)?

Early and accurate detection of respiratory infections is crucial. Delayed diagnosis can lead to severe complications and increased transmission. Our advanced RPP ensures reliable results for better patient care.



Detects multiple  
respiratory pathogens  
in a single test.



Rapid results  
within 24-48 hours.



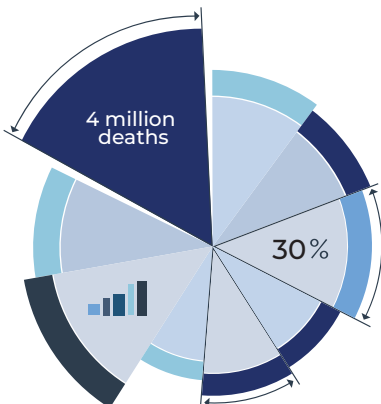
High sensitivity  
& specificity with  
advanced PCR technology.



Helps clinicians make  
data-driven treatment  
decisions and reduce  
antibiotic misuse.

### WHAT MAKES THIS TEST ESSENTIAL?

*Many respiratory illnesses share symptoms, making accurate diagnosis vital.  
Comprehensive testing ensures targeted treatment.*



- **Respiratory infections**  
It cause over 4 million deaths annually.
- **Co-infections are common**  
Respiratory infections cause over 4 million deaths annually.
- **Antibiotic resistance is rising**  
Early detection prevents unnecessary prescriptions.

# DETECTABLE PATHOGENS

*Our panel screens for a broad range of respiratory pathogens, allowing for precise diagnosis and treatment.*

Viral Pathogens	Bacterial Pathogens	Antibiotic Resistance
<ul style="list-style-type: none"><li>● Influenza A (Flu A), A/H1-2009, A/H3</li><li>● Influenza B (Flu B)</li><li>● SARS-CoV-2 (COVID-19)</li><li>● Adenovirus</li><li>● Human Coronaviruses (NL63, 229E, HKU1, OC43)</li><li>● Human Enterovirus D68</li><li>● Human Parainfluenza Viruses (1, 2, 3, 4)</li><li>● Human Metapneumovirus (hMPV)</li><li>● Human Respiratory Syncytial Virus B (RSV B)</li><li>● Human Rhinovirus</li><li>● Human Herpesviruses (HHV5 – Cytomegalovirus, HHV6)</li></ul>	<ul style="list-style-type: none"><li>● Haemophilus influenzae</li><li>● Klebsiella pneumoniae</li><li>● Moraxella catarrhalis</li><li>● Pseudomonas aeruginosa</li><li>● Streptococcus pneumoniae</li><li>● Acinetobacter baumannii</li><li>● Bordetella parapertussis, Bordetella pertussis (Whooping Cough)</li><li>● Chlamydia pneumoniae</li><li>● Legionella pneumophila</li><li>● Mycoplasma pneumoniae</li><li>● Staphylococcus aureus</li><li>● Streptococcus agalactiae (Group B Strep)</li><li>● Streptococcus pyogenes (Group A Strep)</li><li>● Mycobacterium tuberculosis – Detects active TB cases</li></ul>	<ul style="list-style-type: none"><li>● blaOXA-48, IMP-1, KPC, blaFOX, blaCMY, blaVIM, blaNDM</li><li>● CTX-M</li><li>● dfrA</li><li>● ermB</li><li>● mecA</li><li>● OXA-1, OXA-2, OXA-48 (Pan-OXA)</li><li>● PER-1, VEB, TEM, SHV</li><li>● qnrA, qnrS, qnrB</li><li>● sul1, sul2</li><li>● vanA, vanB, vanC</li></ul>

## WHO SHOULD GET THIS TEST?

*Early detection can prevent severe health outcomes. This test is ideal for:*

- ➔ Patients with severe or persistent symptoms.
- ➔ Immunocompromised individuals (elderly, cancer patients, transplant recipients).
- ➔ Hospitalized patients with pneumonia or respiratory distress.
- ➔ Healthcare facilities monitoring seasonal outbreaks.

Turnaround Time  
24 to 48 hours



Specimen Type:  
Nasopharyngeal Swab (NPS)

Fast results enable timely intervention, reducing disease severity and preventing hospital overcrowding.

## DID YOU KNOW?

- ✓ 50% of respiratory illness prescriptions are unnecessary – avoid antibiotic resistance!
- ✓ PCR testing reduces hospitalizations by 30% – get tested early!
- ✓ Respiratory infections cause millions of deaths yearly, yet early detection can save lives.

## MAKE DATA-DRIVEN CLINICAL DECISIONS WITH ELITE CLINICAL LABORATORY.

Accurate diagnostics lead to better patient management. Our cutting-edge testing solutions ensure precise, rapid, and actionable results. More than just a test, It's a roadmap to better respiratory care.

