

RESPIRATORY PCR PANEL

Comprehensive PCR Detection for Upper
& Lower Respiratory Infections



Fast. Targeted. Precision-Guided.

Acute respiratory infections account for more than 100 million ambulatory visits each year in the United States, yet symptom overlap between viral and bacterial etiologies makes empiric prescribing common and frequently wrong. **Prime Path Lab**' Respiratory Pathogen Panel uses real-time multiplex PCR to identify viral and bacterial from a single nasopharyngeal swab. The result is a clinically defensible answer in 24–48 hours that supports targeted therapy.

Why Choose Prime Path Lab for Respiratory PCR Testing?



Single-Swab, Multi-Pathogen

One nasopharyngeal sample identifies several viral and bacterial targets, including co-infections.



Treatment Clarity

Confirm viral or bacterial etiology at the point of decision — so treatment is targeted from the first prescription, not the third.



24–48 Hour Turnaround

Actionable answers in the same care episode not days after the visit.



Physician Partnership

Dedicated account manager, complimentary collection kits, courier service, and clinician hotline.



Did You Know?

- An estimated 30–50% of antibiotic prescriptions for acute respiratory illness in U.S. outpatient settings are unnecessary (CDC).
- Viral-bacterial co-infection is documented in up to 30% of patients hospitalized with community-acquired pneumonia.
- Rapid molecular testing has been shown to shorten antibiotic duration and reduce hospital length-of-stay in respiratory cohorts.



Clinical Insight

Cough, fever, fatigue—the differential hasn't changed in fifty years, but the pathogens have. By the time your patient is home from the visit, our panel reveals whether they're carrying influenza, RSV, or a coronavirus you'd otherwise be guessing at.



Targets Covered

Our multiplex panel screens clinically relevant viruses, bacteria, and atypical pathogens.

PATHOGENS & MARKERS DETECTED

Viral Pathogens

- ☑ Influenza A
- ☑ Influenza B
- ☑ RSV
- ☑ SARS-CoV-2
- ☑ Rhinovirus/Enterovirus

Bacterial Pathogens

- ☑ M. pneumoniae
- ☑ B. pertussis
- ☑ Chlamydia Pneumoniae
- ☑ Legionella

Specimen & Ordering



SPECIMEN REQUIREMENTS

Nasopharyngeal swab in viral transport medium (VTM) or Molecular transport medium (MTM).



HOW TO ORDER

Turnaround: 24–48 hours from specimen receipt. Request RPP collection kits from **Prime Path Lab**. Complete the requisition with clinical indication and ICD-10 codes, ship via prepaid overnight courier, and review results in the provider portal.

Who Benefits from This Test



Primary Care & Urgent Care

Differentiate flu, RSV, COVID-19, and bacterial pneumonia at the point of decision.



Pulmonology & Pediatrics

Detect persistent cough etiologies such as pertussis, Mycoplasma, and Legionella.



Long-Term Care Facilities

Identify outbreaks early and implement targeted infection control.



Immunocompromised Cohorts

Surface opportunistic and atypical pathogens that culture commonly misses.

Who Should Get Tested

Acute Respiratory Illness Lasting >5–7 Days

Fever, cough, or dyspnea without clear improvement on supportive care.

Persistent Cough >3 Weeks

Rule out pertussis, Mycoplasma pneumoniae, and Chlamydia Pneumoniae.

Suspected Influenza, RSV, or COVID-19

Confirm pathogen to guide antiviral therapy, isolation, and household exposure decisions.

Patients with COPD, Asthma, CHF, or Diabetes

Worsening respiratory symptoms in comorbid patients—identify the trigger before escalation.

Immunocompromised Patients with Any Respiratory Complaint

Surface opportunistic and atypical pathogens culture commonly misses.

Partner with Prime Path Lab

Equip your practice with molecular respiratory diagnostics that match the pace of patient care. Contact **Prime Path Lab** to onboard your office in days, not weeks.

CONTACT & ORDERING INFORMATION

Prime Path Lab



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