

Molecular Diagnostics

Increasing accuracy detecting seasonal bacteria and viruses

Diax Labs offers highly utilized molecular testing for XX respiratory bacteria and viruses only performed elsewhere in a hospital setting, and we do so with a robust 24-hour validation.

Sensitivity and Specificity

Family doctors, internal medicine physicians and pediatricians frequently order our infectious diseases tests for bacteria and viruses causes of infection in upper respiratory, lower respiratory (pneumonia microorganisms), gastrointestinal infections, sexual transmitted disorders and urinary infectious diseases. Tests can be conducted with a nasal swab, GI stool sample, sputum collection, urine or swab from urogenital area. Unlike rapid assays commonly performed in clinics and doctors' offices, our panel is inordinately more sensitive, more specific and does not rely on a healthcare provider's assumptions or knowledge about the seasonality of viruses.

As a result of the expeditious accuracy of Diax Labs' molecular diagnostics infectious diseases testing, physicians and patients alike realize a range of important benefits.

- ✓ Accurate, comprehensive results
- ✓ Improved patient outcomes
- ✓ Positive impact on target therapy decisions
- ✓ Antibiotic de-escalation
- ✓ Reduced secondary complications
- ✓ Lower healthcare costs
- ✓ Implementation of infection-control measures, if necessary, to prevent further transmission

Common Misdiagnoses of Influenza

According to the Center for Disease Control, most of the rapid influenza diagnostic tests that can be conducted in a physician's office are only 50-70% accurate.



Specific, Accurate Diagnoses

- **Flu**, one of the most severe illnesses of the winter season, is identified and diagnosed through the use of various target gene assays.
- **Respiratory Syncytial Virus (RSV)**, the most common viral cause of death in children younger than five years, is diagnosed through tests based on reverse transcription polymerase chain reaction.
- All **19 viruses** associated with acute respiratory disease can be detected.
- **Pneumonia**, the most common cause for adult hospital admissions, has a highly improved diagnosis rate as a result of our techniques and transcription for specific, more sensitive systems of pathogen detection.
- **Upper respiratory issues** are diagnosed via respiratory pathogens and molecular bacteriology that are significantly more advanced than conventional microbiological methods.