

## Accurate Flu Diagnosing

Symptoms of influenza often resemble bacterial infections. Co-infections can exist which complicate accurate diagnosis and leaves providers asking:

*Is it viral?*

*Is there a co-infection?*

*Should I prescribe an antibiotic?*

Accurate diagnosis is aided by timely and convenient testing. Real Time PCR has several clear advantages over traditional testing methods:

- CDC Recommended Flu Test
- Quick results (24 hours or less)
- Quick and convenient specimen collection
- One test with 21 pathogens
- Identifies possible co-infections
- 98-100% accuracy
- Detects Influenza A, B, and subtypes



## Apollo Laboratory

- ✓ Unmatched Customer Service
- ✓ Quick Turnaround Time
- ✓ One Swab Multiple Targets
- ✓ Increased Accuracy
- ✓ Reducing Unnecessary Use of Antibiotics



## Respiratory Pathogen Testing



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## RESPIRATORY PATHOGEN TESTING

### VIRUSES:

Adenovirus  
Coronavirus HKU1  
Coronavirus NL63  
Coronavirus 229E  
Coronavirus OC43  
Human Metapneumovirus  
Human Rhinovirus/Enterovirus  
Influenza A  
Influenza A/H1  
Influenza A/H3  
Influenza A/H1-2009  
Influenza B  
Parainfluenza Virus 1  
Parainfluenza Virus 2  
Parainfluenza Virus 3  
Parainfluenza Virus 4  
Respiratory Syncytial Virus

### BACTERIA:

Bordetella pertussis  
Bordetella parapertussis  
Chlamydia pneumoniae  
Mycoplasma pneumoniae

## MOLECULAR TESTING

Apollo Laboratory offers molecular testing utilizing polymerase chain reaction (PCR) to identify a broad spectrum of pathogens which cause human infections.

Molecular testing yields numerous advantages over traditional infectious disease testing techniques, such as cultures, by identifying pathogens with unparalleled accuracy, speed, specificity and sensitivity. Utilization of this designed methodology and advancements in instrumentation allows our scientists to accomplish what could have taken days for an identification to a matter of hours.

Early identification of disease causing pathogens offers clinicians valuable diagnostic information to assist in detection, diagnosis and treatment of bacterial and viral infections.

Apollo Laboratory's Respiratory Pathogen Panel identifies both bacterial and viral infections in one day with one simple specimen.

## Why Real Time PCR is a Superior Technique

- ✓ Higher specificity and sensitivity than traditional methods
- ✓ Less stringent swab storage requirements
- ✓ Identifies mixed infection with better accuracy and specificity
- ✓ Minimize false positives that are common with traditional methods due to error in collection, storage and transport
- ✓ Comprehensive panel that detects a broad range of targets
- ✓ Rapid Turnaround Time