LabCorp’s **Respiratory Pathogen Profile, PCR (139650)** utilizing the BioFire PCR methodology to improve speed and versatility of testing.

**Respiratory Pathogen Profile, PCR (139650)**

Rapid and accurate identification of the causative agent of upper respiratory tract infections may improve patient management by informing timely and effective antibiotic or antiviral therapy, preventing secondary spread of infection, shortening hospital stays and reducing costs of unnecessary ancillary tests. The **Respiratory Pathogen Profile, PCR (139650)** tests for 17 viruses and three bacteria that cause upper respiratory tract infections.

The BioFire respiratory platform has demonstrated a sensitivity of between 87.4% and 100%, and a specificity of between 98.3% and 100% (dependent upon organism being tested).1

**Viruses:**
- Adenovirus
- Coronavirus 229E
- Coronavirus HKU1
- Coronavirus NL63
- Coronavirus OC43
- Human Metapneumovirus
- Human Rhinovirus/Enterovirus
- Influenza A, including influenza A subtype H1; influenza A subtype H3; influenza A subtype H1-2009
- Influenza B
- Parainfluenza Virus 1
- Parainfluenza Virus 2
- Parainfluenza Virus 3
- Parainfluenza Virus 4
- Respiratory Syncytial Virus

**Bacteria:**
- *Bordetella pertussis*
- *Chlamydophila pneumoniae*
- *Mycoplasma pneumoniae*

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**Note:** The performance of this test has not been established for patients without signs and symptoms of respiratory infection. Results from this test must be correlated with the clinical history, epidemiological data, and other data available to the clinician evaluating the patient. Viral and bacterial nucleic acids may persist in vivo independent of organism viability. Detection of organism target(s) does not imply that the corresponding organisms are infectious or are the causative agents for clinical symptoms. The detection of viral and bacterial nucleic acid is dependent upon proper specimen collection, handling, transportation, storage and preparation. Failure to observe proper procedures in any one of these steps can lead to incorrect results. There is a risk of false positive or false negative values resulting from improperly collected, transported or handled specimens.

For details about these tests, including CPT codes and specimen requirements, visit the Test Menu at [www.LabCorp.com](http://www.LabCorp.com).