Overview

PathGroup Labs is pleased to announce the immediate availability the FDA-cleared Luminex Respiratory Virus Panel by PCR assay. This assay detects the following 10 different common respiratory viruses from a single nasopharyngeal specimen: Influenza A (subtype H1), Influenza A (subtype H3), Influenza A (other subtype), Influenza B, Respiratory Syncytial Virus subtype A, Respiratory Syncytial Virus subtype B, Parainfluenza 1, Parainfluenza 2, and Parainfluenza 3 virus, Human Metapneumovirus, Rhinovirus, and Adenovirus. This assay will be performed 5 days a week, Tuesday through Saturday, so that a 24-48 hour turn-around time is achieved. This quick detection and identification of specific viral nucleic acids from individuals presenting with signs and symptoms of respiratory infection will aid in the diagnosis and treatment of respiratory viral infection.

Influenza A and Novel H1N1 (swine) Influenza A: This panel will detect all known Influenza A viruses and subtype the common seasonal H1 and H3 viruses. It is important to note that this assay does not directly subtype the novel H1N1 (swine) Influenza A virus that has been in circulation since Spring, 2009. A specimen that is positive for the novel H1N1 (swine) Influenza A will have a result of Influenza A (other subtype) Detected. Current recommendations from the CDC and most state health departments are that specific identification of the novel H1N1 (swine) Influenza A is not necessary to begin treatment; the identification of Influenza A is necessary and sufficient for treatment.

Clinical Utility

- Detection and identification of common respiratory viruses

Methodology: Reverse-transcription Polymerase Chain Reaction and xMAP Detection

Test Codes: RVP

CPT Codes: 87798 (10 units)

Specimen Collection: Collect a nasopharyngeal specimen using the supplied flocked swabs and M4 media. Place the swab in the M4 container and break the swab shaft at the scored mark. Leave the swab head in the media. Do not use wooden shaft swabs or cotton tip swabs. Dacron head nylon shaft swabs are acceptable but not preferred. Store specimens frozen. Informative videos on collecting nasopharyngeal specimens can be found at http://copanusa.com/videos/education/index.php

Shipping and Handling: Transport specimens frozen.
**Reference Ranges:** The reference range for each virus is Not Detected.

**Turnaround Time:** 1-2 days

**References**