Rapid Influenza A/B PCR and respiratory testing recommendations for winter 2016-17

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Unit Code</th>
<th>Turnaround Time for Test Results</th>
<th>Clinical Indication for Testing</th>
<th>Specimen Type(s)</th>
<th>Cost</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Influenza A and B PCR, Rapid</td>
<td>LAB7034</td>
<td>1-2 hours from receipt at the lab</td>
<td>Diagnosis of Influenza</td>
<td>Nasopharyngeal (NP) swab only</td>
<td>Med</td>
<td>High</td>
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<tr>
<td>Respiratory Syncytial Virus (RSV) &amp; Meta-</td>
<td>LAB2839</td>
<td>3-18 hour transport to Springfield plus 1-2 hours to test</td>
<td>Diagnosis of RSV infection</td>
<td>Upper Respiratory (NP swab, nasal swab, nasal wash, nasal aspirate)</td>
<td>Low</td>
<td>Medium</td>
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<tr>
<td>pneumovirus (MPV) by DFA</td>
<td>LAB2842</td>
<td>3-18 hour transport to Springfield plus 24-48 hours to test</td>
<td>Diagnosis of influenza and RSV with limited sensitivity for Parainfluenza viruses, Adeno-viruses, and Metapneumovirus</td>
<td>Upper Respiratory (NP swab, nasal swab, nasal wash, nasal aspirate)</td>
<td>Low</td>
<td>Medium</td>
</tr>
<tr>
<td>Respiratory Virus Panel by DFA</td>
<td>LAB3710</td>
<td>3-18 hour transport to Springfield plus 24-48 hours to test</td>
<td>Most useful for older children/adults where low RSV viral loads are more common</td>
<td>Upper Respiratory (NP swab or nasal swab) and Lower Respiratory (Sputum, BAL, Bronchial Wash, Endotracheal Tube)</td>
<td>Med</td>
<td>High</td>
</tr>
<tr>
<td>Respiratory Syncytial Virus (RSV) PCR</td>
<td>LAB6617</td>
<td>3-18 hour transport to Springfield plus 24-48 hours to test</td>
<td>Most useful for acutely ill patients where higher cost and slower TAT may warrant additional virus detection</td>
<td>Upper Respiratory (NP swab, nasal swab, nasal wash, nasal aspirate) and Lower Respiratory (Sputum, BAL, Bronchial Wash, Endotracheal Tube)</td>
<td>High</td>
<td>High</td>
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</tbody>
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**WHAT’S CHANGED?**

The Respiratory Virus Extended Panel by PCR tests for multiple respiratory pathogens (Influenza, RSV, Parainfluenza 1-4, Human Metapneumovirus, Rhinovirus/Enterovirus, Adenovirus, Coronavirus, Bocavirus, Chlamydophila pneumoniae and Mycoplasma pneumoniae) with a 24-48 hour turnaround time from receipt at the Springfield laboratory.

Order this test when diagnostic information from this panel is sufficiently clinically helpful to warrant a slower turnaround time and the higher test cost.

This testing is available for upper respiratory (nasal wash, nasal aspirate, nasopharyngeal swab, nasal swab) and lower respiratory specimens: BAL, Bronch Wash, sputum, and ETT.

**QUESTIONS?**

Julie Halic, MBA, MT(ASCP)
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