Viral respiratory illnesses that are common during flu season can cause severe complications especially in young children and older adults with weakened immune systems. Respiratory syncytial virus (RSV) is the most common cause of childhood acute lower respiratory tract infection (LRTI), causing more than 60 percent of acute LRTI in children, and more than 80 percent in infants under 1 year of age.¹

The cobas® Influenza A/B & RSV Nucleic acid test for use on the cobas® Liat® System is a real-time polymerase chain reaction (PCR) test that detects and differentiates Influenza A, Influenza B and RSV in 20 minutes and is available now for use in laboratories, hospitals, physician offices and urgent care settings.

Relying on the lab-quality performance of cobas® Influenza A/B & RSV, healthcare providers can be prepared to diagnose and differentiate Influenza A/B and RSV for effective clinical management and infection control.


**cobas® Influenza A/B & RSV offers:**

**Lab-quality performance** in the detection and differentiation of Influenza A, B and RSV strains

**Fast results** with a 20 minute turn-around-time

**Simple to use** with minimal hands-on-time, and easy interpretation of results

**Confidence in results** for timely and assured treatment decisions

**cobas® Influenza A/B & RSV performance***

<table>
<thead>
<tr>
<th></th>
<th>Positive Agreement</th>
<th>Negative Agreement</th>
<th>LOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Influenza A</td>
<td>98.4%</td>
<td>96.5%</td>
<td>$2 \times 10^{-3} - 2 \times 10^{-2}$ TCID$_{50}$/mL</td>
</tr>
<tr>
<td>Influenza B</td>
<td>97.9%</td>
<td>99.4%</td>
<td>$2 \times 10^{-3} - 4 \times 10^{-3}$ TCID$_{50}$/mL</td>
</tr>
<tr>
<td>RSV</td>
<td>97.8%</td>
<td>98.4%</td>
<td>$4 \times 10^{-1}$ TCID$_{50}$/mL</td>
</tr>
</tbody>
</table>

* Compared to an FDA-cleared laboratory based multiplexed real-time reverse transcription PCR (RT-PCR) test. CLIA data; cobas® Influenza A/B & RSV [package insert], Pleasanton, CA; Roche Molecular Systems, Inc., 2016.

**Example of a patient impact workflow**

Conventional Methods

Patient with respiratory symptoms

*RADT=rapid antigen diagnostic test  
**RDIT=rapid influenza diagnostic test

Specimen collected

RSV RADT* performed

Risk of delayed treatment decisions. Negative results will leave unanswered questions.

Specimen collected

RDIT** performed

Negative results need confirmation. Risk of delayed treatment decisions.

Samples sent to lab for PCR batch testing

Patient waiting for confident results

>4-48 Hours

cobas® Influenza A/B & RSV

Patient with respiratory symptoms

*RADT=rapid antigen diagnostic test  
**RDIT=rapid influenza diagnostic test

Specimen collected

cobas® Liat® System provides definitive results, know for sure

~20 minutes

Roche
From patient sample to definitive results

The cobas® Liat® System enables you to run advanced PCR diagnostic tests with speed and simplicity.

Sample | Scan | Start
---|---|---
Add your patient sample to the cobas® Liat® assay tube with provided transfer pipette. | Scan assay tube using built-in barcode reader. | Insert assay tube into the cobas® Liat® Analyzer.

Patient sample to definitive results, in 20 minutes or less

cobas® Influenza A/B & RSV specifications

<table>
<thead>
<tr>
<th>Instrument</th>
<th>cobas® Liat® Analyzer</th>
</tr>
</thead>
</table>
| Targets | Influenza A  
Influenza B  
Respiratory Syncytial Virus (RSV) |
| Sample type | Nasopharyngeal swab |
| Collection media | Universal Transport Media (UTM) |
| Sample extraction | Fully automated and integrated |
| Technology | Real-time RT-PCR |
| Control | Internal sample processing control, positive and negative controls |
| Time to result | ~20 minutes |
| Reagents | Ready-to-use, pre-packed tube format |
| Kit storage | 2-8°C |
| Registration | CE-IVD and FDA 510(k) cleared; CLIA waived |

cobas® Influenza A/B & RSV ordering information

<table>
<thead>
<tr>
<th>Material number</th>
<th>Description</th>
<th>Qty per unit</th>
</tr>
</thead>
</table>
| 08278270702 | cobas® Influenza A/B & RSV  
• 08160104190 cobas® Influenza A/B & RSV Test  
• 08118060190 cobas® Influenza A/B & RSV Package Insert | 20 tests |
| 08278288702 | cobas® Influenza A/B & RSV Quality Control Kit  
• 07402686190 cobas® Influenza A/B & RSV Quality Control Kit  
• 08072345190 cobas® Influenza A/B & RSV Quality Control Kit Package Insert | 3 sets |

<table>
<thead>
<tr>
<th>Material number</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>07341920190</td>
<td>cobas® Liat® Analyzer</td>
</tr>
</tbody>
</table>

The cobas® Liat® System is available in select markets.

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