Simple, rapid, highly sensitive diagnostics at hand

IFV - RSV

For Research Use Only. Not for use in diagnostic procedures.
Respiratory tract infections (RTI) cause thousands of deaths per year and have an enormous socioeconomic impact. Their etiology is often unknown as infections often present with similar symptoms, and several different viruses may be in circulation simultaneously at any given time. Timely detection and discrimination of the infecting pathogens is crucial to optimize treatment, to prevent unnecessary antibiotic use, and to prevent secondary spread of infection.

The Idylla™ Respiratory IFV-RSV panel, currently in late-stage development, is a molecular assay that identifies these viruses with world class sensitivity in as quickly as 50 minutes, and requires less than 1 minute hands-on time.

“Idylla can positively impact patient care by providing physicians with rapid access to molecular diagnostic results”

Unrivaled ease of use

1. Scan sample and cartridge
2. Insert swab in the cartridge
3. Insert the cartridge in the Idylla™ system

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Influenza (IFV), commonly known as “flu,” is a contagious respiratory illness caused by influenza viruses A and B, with seasonal circulation during the winter months. Accurate and rapid diagnosis of influenza is necessary for appropriate patient management and anti-influenza therapy as required.

Respiratory syncytial virus (RSV) is a virus that infects the lungs and respiratory tract and which may cause serious illness requiring hospitalization, especially in premature babies, infants and older adults with underlying health conditions. Rapid laboratory diagnosis of RSV infection significantly decreases the use of antibiotics, cuts additional laboratory testing thereby saving time and resources, and is associated with shorter hospitalization periods.

The Idylla™ Respiratory IFV-RSV panel is a molecular assay currently in late development that has been designed to help physicians make informed clinical decisions for patients presenting with influenza-like symptoms. The panel is able to identify these viruses in as quickly as 50 minutes, and requires less than 1 minute hands-on time.

- Influenza A or B
- For Influenza A, the panel can discriminate between H1; H3; 2009-H1N1 and H275Y oseltamivir mutation
- RSV A or B

Idylla™ features an intuitive design and rapid processing time which combine to provide accurate, molecular diagnostic data to help healthcare providers deliver more personalized treatment in the point-of-care setting.

**Example: Idylla™ IFV-RSV results**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Influenza A</strong></td>
<td><strong>Detected</strong></td>
</tr>
<tr>
<td>AH1</td>
<td><strong>Not detected</strong></td>
</tr>
<tr>
<td>AH3</td>
<td><strong>Not detected</strong></td>
</tr>
<tr>
<td>2009 H1N1</td>
<td><strong>Detected</strong></td>
</tr>
<tr>
<td>H275Y</td>
<td><strong>Detected</strong></td>
</tr>
<tr>
<td><strong>Influenza B</strong></td>
<td><strong>Not detected</strong></td>
</tr>
<tr>
<td><strong>Respiratory Syncytial Virus A</strong></td>
<td><strong>Not detected</strong></td>
</tr>
<tr>
<td><strong>Respiratory Syncytial Virus B</strong></td>
<td><strong>Not detected</strong></td>
</tr>
</tbody>
</table>

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About Idylla™

The Biocartis Idylla™ platform is a fully automated, real-time PCR based molecular diagnostic system that offers fast and easy access to high-quality infectious disease diagnostic testing.

- Swab ‘sample to result’ in as quickly as 50 minutes
- Contamination-controlled design
- All reagents integrated in the cartridge
- No special requirements for sample preparation
- Sample processing controls in all PCR chambers
- High sensitivity and specificity