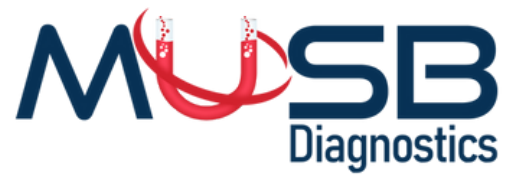


# RESPIRATORY PATHOGEN PANEL (RPP)



Respiratory viruses contribute to influenza-like illnesses and the common cold, affecting millions of people worldwide, particularly children and immunocompromised individuals. Certain respiratory viruses of interest are respiratory syncytial virus (RSV), rhinovirus, enterovirus, coronaviruses (including SARS and MERS CoV), adenoviruses, and parainfluenza viruses. Many respiratory viruses present with similar symptoms, making accurate differentiation and diagnosis essential. Therefore, highly specific testing is crucial for proper diagnosis and treatment.

Our RP Panel is a comprehensive panel detecting the most ubiquitous viral, bacterial, and fungal pathogens causing respiratory illnesses.

At MusB Diagnostics, we can detect 20 different types of respiratory pathogens and deliver results with 99% accuracy within 24-72 hours of receiving the lab sample



## COLLECTION INSTRUCTIONS

In accordance with FDA standards, RPP samples can be collected using a nasopharyngeal swab. The specimen will be collected as follows:

A sample is collected from the back of your nose and throat (nasopharyngeal swab).

This is done by tilting your head back. A swab is gently inserted through a nostril until resistance is met (about 1 to 2 inches), then rotated several times and withdrawn.

The swab is then placed in sterile Viral Transport Media (VTM). Swabs in VTM remain stable for 30 days at  $-150^{\circ}\text{C}$  or below, 4 hours at room temperature, and 3 days when refrigerated ( $2^{\circ}\text{C}$  to  $8^{\circ}\text{C}$ ).

- Respiratory syncytial virus
- Influenza A
- Influenza B
- SARS-CoV-2
- Rhinovirus
- Enterovirus
- Coronavirus (229E, HKU1, OC43, NL63)
- Parainfluenza virus (1-4)
- Human adenovirus

- Human bocavirus
- Human metapneumovirus
- Mycoplasma pneumonia
- Klebsiella pneumonia
- Bordetella parapertussis

- Bordetella pertussis
- Streptococcus pneumonia
- Haemophilus influenzae
- Legionella pneumophila
- Chlamydia pneumonia

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