



# RESPIRATORY PROFILE USING THE BIOFIRE® PLATFORM

Helping you provide better patient care

## LabCorp's Respiratory Pathogen Profile, PCR (139650) utilizing the BioFire PCR methodology to improve speed and versatility of testing.

### Respiratory Pathogen Profile, PCR (139650)

Rapid and accurate identification of the causative agent of upper respiratory tract infections may improve patient management by informing timely and effective antibiotic or antiviral therapy, preventing secondary spread of infection, shortening hospital stays and reducing costs of unnecessary ancillary tests. The **Respiratory Pathogen Profile, PCR (139650)** tests for 17 viruses and three bacteria that cause upper respiratory tract infections.

The BioFire respiratory platform has demonstrated a sensitivity of 97.1%, and a specificity of 99.3%.<sup>1</sup>

1. The BioFire® FilmArray Panels Instruction Sheet. Salt Lake City, UT: BioFire Diagnostics, LLC; 2016.

#### Viruses:

- Adenovirus
- Coronavirus 229E
- Coronavirus HKU1
- Coronavirus NL63
- Coronavirus OC43
- Human Metapneumovirus
- Human Rhinovirus/Enterovirus
- Influenza A, including influenza A subtype H1; influenza A subtype H3; influenza A subtype H1-2009
- Influenza B
- Parainfluenza Virus 1
- Parainfluenza Virus 2
- Parainfluenza Virus 3
- Parainfluenza Virus 4
- Respiratory Syncytial Virus

#### Bacteria:

- *Bordetella pertussis*
- *Chlamydomphila pneumoniae*
- *Mycoplasma pneumoniae*

**Note:** The performance of this test has not been established for patients without signs and symptoms of respiratory infection. Results from this test must be correlated with the clinical history, epidemiological data, and other data available to the clinician evaluating the patient. Viral and bacterial nucleic acids may persist in vivo independent of organism viability. Detection of organism target(s) does not imply that the corresponding organisms are infectious or are the causative agents for clinical symptoms. The detection of viral and bacterial nucleic acid is dependent upon proper specimen collection, handling, transportation, storage and preparation. Failure to observe proper procedures in any one of these steps can lead to incorrect results. There is a risk of false positive or false negative values resulting from improperly collected, transported or handled specimens.

For details about these tests, including CPT codes and specimen requirements, visit the Test Menu at [www.LabCorp.com](http://www.LabCorp.com).

## Collection Instructions

### Respiratory Pathogen Profile, PCR (139650)

**Specimen:** Nasopharyngeal swab

**Volume:** One swab in viral transport

**Minimum Volume:** 0.3 mL

**Container:** Viral Transport System

**Storage Instructions:** Freeze. Per the package insert: Swabs in viral transport media are stable for 30 days at -15°C or below. Swabs in viral transport media are also stable for 4 hours at room temperature and 3 days refrigerated (2° to 8° C).

### Nasopharyngeal Dry Flocked Swab

Use for viral culture (eg, influenza) or nucleic acid amplification (NAA) testing (eg, *B pertussis*) of nasopharyngeal specimens. **For *B pertussis* NAA only:** Place swab into its **dry** plastic transport tube and transport at room or refrigerated temperature. **For other NAA testing and viral culture of nasopharyngeal specimens:** Place swab in Universal Transport Medium (UTM-RT) and transport at room temperature for up to 24 hours after collection or refrigerate.

**Supply order number: 93307**



UTM-RT  
Transport  
(Purple-cap)

### Universal Transport Medium

The multipurpose Universal Transport Medium (UTM-RT) is used for the collection and transport of specimens to be tested for viruses, *Mycoplasma*, and *Ureaplasma*. Additionally, UTM-RT can be used for transport of swab specimens submitted for detection of bacterial (except *B pertussis*) or viral DNA by NAA (eg, PCR). UTM-RT can be stored at room or refrigerated temperature prior to specimen collection. Collect specimen using appropriate sampling swab, and then place swab in medium, breaking off shaft in tube. Transport and store at room temperature for up to 24 hours after specimen is placed into medium or refrigerate. For PCR testing, specimen may be transported at room or refrigerated temperature. **Note:** If M4 or M4-RT transport medium (not supplied by LabCorp) is used instead of UTM-RT, a) M4-RT can be stored at room temperature before specimen collection but cannot be used for transport of specimens for *Mycoplasma* and *Ureaplasma* culture, b) M4 may be kept at room temperature for up to 30 days prior to use but requires refrigerated storage before specimen collection if held longer, and c) both M4 and M4-RT must be kept refrigerated after specimen collection.

**Supply order number: 24674**



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