

# FilmArray Respiratory Panel

The FilmArray Respiratory Panel tests for 17 viruses and 3 bacteria which cause upper respiratory tract infections. 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.

## Collection and Shipment of Specimens

Nasopharyngeal swab specimens should be collected and immediately placed in viral transport media. Specimens should be processed and tested as soon as possible. They can be held refrigerated for up to 3 days or frozen for up to 30 days.

## Reporting Procedures

The FilmArray Respiratory panel detects multiple respiratory pathogen nucleic acids in nasopharyngeal swabs obtained from individuals suspected on respiratory tract infections. The following organism types and subtypes are identified:

- Adenovirus
- Bocavirus
- Coronavirus 229E, HKU1, OC43, NL63
- Influenza A (subtypes H, 2009 H1, and H3)
- Influenza B
- Human Metapneumovirus
- Parainfluenza Virus 1
- Parainfluenza Virus 2
- Parainfluenza Virus 3
- Parainfluenza Virus 4
- Respiratory Syncytial Virus (RSV)
- Enterovirus
- Human Rhinovirus
- Bordetella pertussis
- Chlamydia pneumoniae
- Mycoplasma pneumoniae

## Criteria for Unacceptable Specimens

1. Any specimen other than nasopharyngeal swabs will be rejected.
2. No patient identifier on specimen or culture.
3. Specimen submitted in unsuitable collection kit.
4. The specimen did not arrive in appropriate temperature transport range (2-25°C).