

Severe Acute Respiratory Syndrome Coronavirus 2 (SARS CoV-2) and Influenza Virus Type A and Type B RNA, Molecular Detection, PCR, Varies

Test ID: SCOF3

Useful for:

Simultaneous detection and differentiation of SARS-CoV-2 (cause of COVID-19), influenza A virus, and influenza B virus in upper or lower respiratory tract specimens from individuals with a flu-like illness

Methods:

Multiplex Reverse Transcriptase, Real-Time Polymerase Chain Reaction (RT-qPCR)

Reference Values:

Undetected

Specimen Requirements:

Preferred:

Specimen Type: Nasopharyngeal swab

Container/Tube: Sterile container with transport media

Specimen Volume: Entire specimen with a minimum of 1.5 mL (maximum 3 mL) of transport media.

Collection Instructions: 1. Collect specimen by swabbing back and forth over mucosa surface to maximize recovery of cells.

2. Swab must be placed into viral transport media (eg, M4-RT, M4 or M5), saline, or phosphate buffered saline (PBS). **Media should not contain guanidine thiocyanate (GTC).**

Specimen Type: Bronchoalveolar lavage fluid

Container/Tube: Sterile Container

Specimen Volume: 0.6 mL

Additional Information: **Do not aliquot into viral transport media.**

Acceptable:

- Specimen Type:** Oropharyngeal (throat) swab, nasal mid-turbinate, or nares/nasal swab
- Supplies:**
- Culturette (BBL Culture Swab) (T092)
 - Mid Turbinate (MT) Swab (FLOQSwab/COPAN) (T864)
 - Swab, Sterile Polyester (T507)
- Container/Tube:** Sterile container with transport media
- Specimen Volume:** Entire specimen with a minimum of 1.5 mL (maximum 3 mL) of transport media.
- Preferred:** BBL Culture Swab, COPAN Mid-turbinate Swab
- Acceptable:** Dacron-tipped swab with plastic handle
- Collection Instructions:** Swab must be placed into viral transport media (eg, M4-RT, M4, or M5), saline, or PBS. **Media should not contain guanidine thiocyanate (GTC).**

- Specimen Type:** Bronchial washings, endotracheal aspirate, sputum
- Container/Tube:** Sterile container
- Specimen Volume:** 0.6 mL
- Additional Information:** **Do not aliquot into viral transport media.**

Minimum Volume: Upper respiratory tract swab: See Specimen Required; lower respiratory specimens: 0.3 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Varies	Frozen (preferred)	14 days
	Refrigerated	72 hours

Cautions:

The sensitivity of the assay is dependent on the timing of the specimen collection (in relation to symptom onset), quality, and type of the specimen submitted for testing. This test should not be performed unless the patient meets clinical and epidemiologic criteria for testing.

The test is specific for detection of SARS-CoV-2, influenza A virus, and influenza B virus, and a positive result does not exclude the possibility of concurrent infection with other respiratory viruses. This assay detects influenza A viral RNA but does not distinguish among the different viral subtypes, such as H5N1, H7N9. Influenza C virus is not detected by this assay.

Undetected (negative) results do not preclude infection with influenza A virus, influenza B virus, or SARS-CoV-2 and should not be used as the sole basis for treatment or other patient management decisions.

CPT Code:

87636

Day(s) Performed: Monday through Sunday

Report Available: Same day/1 to 2 days

Questions

Contact James Conn, Laboratory Resource Coordinator at 800-533-1710.