

**RESPIRATORY SYNCYTIAL VIRUS (RSV), MOLECULAR DETECTION,
PCR
#800323**

USEFUL FOR: Rapid and accurate detection of respiratory syncytial virus.

METHODOLOGY: Multiplex Real-Time Polymerase Chain Reaction (RT-PCR)

REFERENCE VALUES: Not Applicable

SPECIMEN REQUIREMENTS:
Specimen source is required.

Submit only 1 of the following specimens:

Preferred:

Specimen Type: Nasal or nasopharyngeal aspirate

Container/Tube: Sterile container

Specimen Volume: 0.5 mL

Specimen Type: Nasopharyngeal or throat

Container/Tube: Nasopharyngeal swab (rayon mini-tip swab) or throat swab

Specimen Volume: Swab

Additional Information: Swab may be placed in M5 media for transport.

Acceptable:

Specimen Type: Nasopharyngeal washing, bronchial washing, bronchial brushing, or bronchoalveolar lavage

Container/Tube: Sterile container

Specimen Volume: 0.5 mL

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
Varies	Refrigerated	14 days

CAUTIONS:

- Given that influenza A and B and respiratory syncytial virus (RSV) can cause identical appearing clinical illness, this test should typically be ordered as a panel that includes both influenza A/B and RSV (800322 Influenza Virus Type A and Type B, and Respiratory Syncytial Virus (RSV), molecular Detection, PCR).

- This test has been designed to minimize the likelihood of false-positive test results. However, should false-positive results occur, risks to patients could include a recommendation for quarantine of household or other close contacts, a recommendation for patient isolation that might limit contact with family or friends, the ability to work, or the ability to receive certain medical care, prescription of an antiviral drug or other therapy, or other unintended adverse effects.
- The sensitivity of the assay is very dependent upon the quality of the specimen submitted. Nasopharyngeal swabs or aspirates are the preferred specimen types and are optimal for detection of RSV RNA. However, the test is validated for use with most upper and lower respiratory specimens, including nasal swabs, throat swabs, broncho-alveolar lavage specimens, and bronchial brushings/washings. Tracheal aspirates are not acceptable for testing due to the viscous nature of these specimens.
- This test should not be performed unless the patient meets clinical and epidemiologic criteria for testing.
- The test is specific for RSV, therefore, the results do not exclude the possibility of infection with other respiratory viruses.
- Negative results do not preclude infection with RSV and should not be used as the sole basis for treatment or other patient management decisions.
- This assay detects both viable and nonviable virus. Test performance depends on viral load in the specimen and may not correlate with cell culture performed on the same specimen.
- Performance of the assay has not been established for monitoring antiviral treatment or duration of infection with RSV and influenza viruses.

CPT CODE: 87798

DAY(S) SET UP: Monday through Sunday **ANALYTIC TIME:** Same day/1 day

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or
Greg Renkly, MML Laboratory Technologist Resource Coordinator
Telephone: 800-533-1710