

# Influenza/RSV Panel TEM-PCR™

Test Code: 220600

## Tests in this Panel

- Influenza A - Human influenza
- Influenza A - H1N1-09
- Influenza B
- Respiratory Syncytial Virus

## Clinical and Procedure

### Clinical Utility

The Influenza/RSV Panel detects 4 viral pathogens using TEM-PCR™ (Target Enriched Multiplex Polymerase Chain Reaction) technology - a multiplex PCR amplification technology to detect multiple targets simultaneously. Multiple target panel testing helps identify co-infections, provides physicians with valuable diagnostic insight into unknown causes of infection, reduces unnecessary antibiotic administration and hospital acquired infections, allows for molecular testing in patients with concurrent therapy, and more targeted therapy for better patient management and overall reduced hospital costs.

### Procedure

Target Enriched Multiplex PCR™ diagnostic panel testing consists of three major steps: extraction, amplification and detection. The key to making TEM-PCR™ occur successfully lies in these primer mixes and how they allow the enrichment of multiple targets. The use of target-specific nested primers at low concentrations at the initial enrichment step allows high specificity of multiplexing and amplification. After initial target enrichment is complete, Super Primers within the reaction carry out the exponential amplification and produce tagged PCR products for subsequent detection. The detection phase of the process is accomplished by measuring the fluorescence of special tags that are bound to the target sequences, which have been attached during amplification. This test has not been cleared or approved for diagnostic use by the U.S. Food and Drug Administration.

### Specificity

The Respiratory Syncytial Viral assay detects both types A and B, however it does not distinguish between the two.

## Turnaround Time

Same day (within 8 to 12 hours of receiving specimen), Monday through Saturday.

## Specimen Information

Specimen Type	Order Code	CPT Code	NY Approved	Volume	Assay Range
BAL	220609	87631	Yes	2 mL (min. 0.5 mL)	Positive/Not Detected
Special Instructions					
<ul style="list-style-type: none"> <li>- Collect in a sterile, screw top tube.</li> <li>- Can be shipped at ambient or frozen temperature Monday through Friday.</li> <li>- Specimens shipped at ambient temperature must be received within 96 hrs of collection.</li> </ul>					
nasal asp	220631	87631	Yes	2 mL (min. 0.5 mL)	Positive/Not Detected
Special Instructions					
<ul style="list-style-type: none"> <li>- Collect in a sterile, screw top tube.</li> <li>- Can be shipped at ambient or frozen temperature Monday through Friday.</li> </ul>					

Specimen Type	Order Code	CPT Code	NY Approved	Volume	Assay Range
- Specimens shipped at ambient temperature must be received within 96 hrs of collection.					
nasal swab	220630	87631	Yes	2 mL	Positive/Not Detected
Special Instructions					
- Place sterile swab placed in 2 mL sterile saline, M4, or viral transport media in a sterile, screw top tube.					
- Do not use calcium alginate swab or wood shafted swab.					
- Can be shipped at ambient or frozen temperature Monday through Friday.					
nasal wash	220613	87631	Yes	2 mL (min. 0.5 mL)	Positive/Not Detected
Special Instructions					
- Collect in a sterile, screw top tube.					
- Can be shipped at ambient or frozen temperature Monday through Friday.					
- Specimens shipped at ambient temperature must be received within 96 hrs of collection.					
NP aspirate	220624	87631	Yes	2 mL (min. 0.5 mL)	Positive/Not Detected
Special Instructions					
- Collect in a sterile, screw top tube.					
- Can be shipped at ambient or frozen temperature Monday through Friday.					
- Specimens shipped at ambient temperature must be received within 96 hrs of collection.					
NP swab	220625	87631	Yes	2 mL	Positive/Not Detected
Special Instructions					
- Place sterile swab placed in 2 mL sterile saline, M4, or viral transport media in a sterile, screw top tube.					
- Do not use calcium alginate swab or wood shafted swab.					
- Can be shipped at ambient or frozen temperature Monday through Friday.					
NP wash	220647	87631	Yes	2 mL (min. 0.5 mL)	Positive/Not Detected
Special Instructions					
- Collect in a sterile, screw top tube.					
- Can be shipped at ambient or frozen temperature Monday through Friday.					
- Specimens shipped at ambient temperature must be received within 96 hrs of collection.					
throat gargle	220623	87631	Yes	2 mL (min. 0.5 mL)	Positive/Not Detected
Special Instructions					
- Collect in a sterile, screw top tube.					
- Can be shipped at ambient or frozen temperature Monday through Friday.					
- Specimens shipped at ambient temperature must be received within 96 hrs of collection.					
trach asp	220619	87631	Yes	2 mL (min. 0.5 mL)	Positive/Not Detected
Special Instructions					
- Collect in a sterile, screw top tube.					
- Can be shipped at ambient or frozen temperature Monday through Friday.					
- Specimens shipped at ambient temperature must be received within 96 hrs of collection.					
trach wash	220648	87631	Yes	2 mL (min. 0.5 mL)	Positive/Not Detected
Special Instructions					
- Collect in a sterile, screw top tube.					
- Can be shipped at ambient or frozen temperature Monday through Friday.					
- Specimens shipped at ambient temperature must be received within 96 hrs of collection.					

## Shipping

Ship Monday through Friday. Friday shipments must be labeled for Saturday delivery. All specimens must be labeled with patient's name and collection date. A Viracor-IBT test requisition form must accompany each specimen. Multiple tests can be run on one specimen. Ship specimens FedEx Priority Overnight® to: Viracor Eurofins, 1001 NW Technology Dr, Lee's Summit, MO 64086.

## Causes for Rejection

[https://webdev.viracor-eurofins.com/images/Viracor\\_Eurofins\\_PDFlogo.jpg](https://webdev.viracor-eurofins.com/images/Viracor_Eurofins_PDFlogo.jpg) 1001 NW Technology Drive, Lee's Summit, MO 64086 // (800) 305-5198 // (816) 347-0143 Fax // [info@viracor-eurofins.com](mailto:info@viracor-eurofins.com)

Wood shafted swab, calcium alginate swab, specimens received in trap containers, specimens beyond their acceptable length of time from collection as listed in the specimen handling, or specimen types other than those listed.

## **Disclaimer**

Specimens are approved for testing in New York only when indicated in the Specimen Information field above. The CPT codes provided are based on Viracor Eurofins' interpretation of the American Medical Association's Current Procedural Terminology (CPT) codes and are provided for informational purposes only. CPT coding is the sole responsibility of the billing party. Questions regarding coding should be addressed to your local Medicare carrier. Viracor Eurofins assumes no responsibility for billing errors due to reliance on the CPT codes illustrated in this material.

## **References**

TEM-PCR, Diatherix Laboratories, LLC