Florida HEALTH
Bureau of Public Health Laboratories

Test Menu

TOPIC	DESCRIPTION
Test Name	Respiratory virus, PCR
Other Name (s)	Respiratory Panel. Real-time PCR, RT-PCR, real-time RT-PCR, nucleic acid amplification testing (NAAT).
Analyte(s)	respiratory syncytial virus (RSV), human parainfluenza-1 (HPIV-1), human parainfluenza-2 (HPIV-2), human parainfluenza-3 (HPIV-3), adenovirus (AdV), human metapneumovirus (hMPV), rhinovirus (RV), coronaviruses (seasonal CoV HKU1, CoV NL63, CoV 229E, CoV OC43), enterovirus (EV), influenza viruses
Test Code	1810, 9025, 9040, 9100, 9225, 9260, 9290, 9320, 9360, 9540
Lab location	Jacksonville and Tampa locations
Department	Virology
Prior Authorization	Requires prior approval from Regional Epidemiology and notification to the testing lab. Contact local County Health Department to start the process for approval.
Required Forms	Test Requisition Form DH1847, Requires medical history
Specimen Sources	Upper or lower respiratory swabs; nasal aspirate/wash; bronchoalveolar lavage; tracheal aspirate; sputum; autopsy samples
Supplemental Information- Special Specimen Preparation	N/A
Minimum Volume	300 μL, 1mL preferred
Storage Conditions	Refrigerate specimens at 2-8°C or frozen (≤-20°C).
Collection Media	Dacron Swabs in Viral transport media VTM or universal transport media (UTM). Sterile Container
Specimen Labeling	-Specimen must be labeled with at least two unique patient identifiers, Ex: Name and DOB. -The collection date and time if submitting multiple specimens. **-Information on the specimen must match the requisition.**
Packaging and Shipping Instructions and Handling	Specimens must be shipped between (2-8°C) or frozen (≤-20°C) on dry ice. Separate multiple specimens into different bags (preferred).
Test Methodology	Real-time reverse-transcription polymerase chain reaction (RT-PCR) assay.
Turnaround Time	7 - 14 days
Result Indicator	Name of virus detected, or no virus detected
Unsatisfactory Specimen	Swabs with calcium alginate or cotton tips or with wooden shafts. Unlabeled or mislabeled specimens, insufficient quantity for testing, incorrect collection tube/transport media, grossly contaminated specimen, disparity between ID on sample and paperwork, improper collection, storage or transport of specimen, no test requested, test requested is not performed. If required, the absence of patient history. If required, the lack of patient history that is compatible with test requested. Test order cancelled by provider, broken, or leaked in transit, etc.
Interferences and Limitations	Due to the cross reaction between enteroviruses and rhinoviruses, depending on test results it may be impossible to determine which virus is present. Swabs with calcium alginate or cotton tips or with wooden shafts, can result in inactivation of some viruses and inhibit some molecular assays
Additional Information & Notes	**The test cannot be ordered by outside providers**- it is added when specimens participating in specific surveillance programs arrive at the lab
Reference Range	Type of respiratory virus detected, or no virus detected.
Reference Lab	CDC if needed
Reflex testing	Adenovirus typing, RSV typing

Note: If this analysis is selected, regardless of the test code entered, the laboratorian will determine which analytes to run based on the current algorithm and the patient's medical history.