

Test Menu

TOPIC	DESCRIPTION
Test Name	Enterovirus (EV), PCR
Other Name (s)	None
Analyte(s)	enteroviruses (EV)
Test Code	1810
Lab location	Jacksonville and Tampa locations
Department	Virology
Pre-Approval Required	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
Specimen Sources	NP, OP, nasal, throat, rectal, Nasal, throat or bronchial washing, CSF, or pericardial fluid (Tampa Only). Stool; Autopsy samples.
Supplemental Information- Special Specimen Preparation	N/A
Minimum Volume	500 μ l (.5 mL)
Storage Conditions	Refrigerate specimens at 2-8°C or frozen at \leq -20°C
Collection Media	Dacron swab in Viral transport media (VTM) or universal transport media (UTM) or Sterile container (Stool).
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 (\leq -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	Enterovirus 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	This assay is a pan-enterovirus test. Enterovirus D68 real-time RT-PCR is available. Molecular sequencing may be performed on pan-enterovirus detected samples for public health purposes. pericardial fluid may be tested for surveillance purposes and are not diagnostic and require prior approval before submission.
Reference Range	N/A
Reference Lab	CDC if needed
Reflex testing	Enterovirus D68 PCR, Enterovirus Sequencing