

ENTEROVIRUS PCR

Orderable – ENVPCR

Turnaround Time: 72 hours for CSF, 3 days upon receipt at referring laboratory for all other specimen types

Specimen Type and Collection Information:

Laboratory testing for Enterovirus should be considered for patients with severe respiratory illness, neurologic symptoms associated with viral illness or myocarditis. Testing on skin or mucosal lesions is not routinely recommended.

Specimen Type	Collection Information
CSF	Submit a minimum of 300ul for one test in sterile container. Ensure submission of adequate sample volume if multiple tests are required.
Swabs*	Lesion, Nasopharyngeal or throat swab submitted in Viral Transport Medium (VTM).
Fluids*	Collect a minimum of 1mL in sterile container.
Tissue*	Collect a minimum of 1mL in sterile container.
Faeces*	1.0 gram collected in a sterile container.
Blood* (EDTA) Lavender top Vacutainer	Blood collected with EDTA anticoagulant (lavender-top tube) is required. A minimum 1ml is recommended.
Bronchoalveolar Lavage*, Sputum*	2.0 mL in sterile container

In general: Swabs contained in the Viral Transport Kit (VTM) should be used for collection. Bulk specimens should be placed in sterile containers. Do not add Viral transport media to fluids or stools.



Special requests:

*Non-validated specimen types and requests from patients with acute neurological presentations of possible viral cause where “Enterovirus Molecular Serotyping” is requested are referred out to Public Health Ontario Laboratory. If testing for Acute Flaccid Paralysis (AFP)/Acute Flaccid Myelitis (AFM) e.g. serotypes D68 and A71 is required, specify in Specimen Description when ordering

Refer to Public Health Ontario Laboratory Test Index: [Enterovirus](#)



Laboratory:
Microbiology



Requisition:
Electronic order
*[PUBLIC HEALTH LABORATORY TEST REQUISITION](#)
This requisition MUST accompany the specimen



Method of Analysis:
PCR (polymerase chain reaction)



Test Schedule:
CSF samples are tested once daily Monday to Friday.
*All other specimen types are sent to Public Health Ontario Laboratory for testing weekdays.