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ENTEROVIRUS PCR (QUALITATIVE)

Synonym(s): PAN-ENTEROVIRUS PCR

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Lab Section Category	Molecular Diagnostics - Microbiology Click here to find out more about the write-up (/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/moleculardiagnosics.aspx).
Indications	For detection of enteroviruses which may cause hand-foot-mouth-disease (HFMD), viral meningitis, viral peri-myocarditis or acute paralysis.
Specimen Required	(a) Throat swab (within first week of illness): Use a Dacron-tipped swab and send in swab sheath without any media. (b) CSF: At least 0.5 mL of undiluted sample. Send to the laboratory in a sterile, leakproof screw-capped container without any additives. (c) Stool (after first week of illness): Collect at least a pea-size amount of stool and send to the laboratory in a sterile, leak-proof screw-capped container without any additives. (d) Biopsy or tissue: Place a piece of FRESH sample of 5 x 5 x 5 mm directly in a sterile container.
Storage and Transport	Refrigerate sample until transfer to laboratory. Do not freeze. Send sample at 2 - 8°C (with an ice-pack). Sample must reach the laboratory within 24 hours after collection (preferably within 5 hours).
Method	Real-time reverse-transcription Polymerase Chain Reaction (in-house) using pan-enterovirus primers detecting all known enterovirus serotypes including Enterovirus 68, Enterovirus 71, Coxsackieviruses A & B and Echoviruses.
Test Result	Detected, Not Detected or Inconclusive
Turnaround Time	1 - 4 days; next working day (Monday-Friday) for CSF samples
Day(s) Test Set up	Variable

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Change History Notes

- **04 Dec 2015 12:51 PM**
Method: Method has been last updated on 04/12/15.