

Enterovirus Quantitative Real-time RNA PCR

Test ID Code	1400 Enterovirus Real-time qPCR
CPT Code	87799
Clinical Utility	The enteroviruses are well-known etiologic agents of viral meningitis, viral encephalitis, myocarditis, and respiratory tract disease as well as a wide variety of other clinical conditions. Quantitative PCR can be used to detect the presence of the virus as well as track the course of infection.
Procedure	Extraction of enterovirus nucleic acid from CSF, followed by reverse transcription of viral RNA, then amplification and detection of cDNA using real-time, quantitative PCR. An internal control is added to ensure the extraction was performed correctly and the PCR reaction was not inhibited.
Specimens	CSF: 1 ml fluid frozen; submitted in a sterile, leakproof tube; ship on dry ice.
Specificity	Detects the entire spectrum of human enteroviruses, including coxsackie A viruses, coxsackie B viruses, echoviruses, polioviruses, and enteroviruses 68 through 71. The assay does not differentiate between serotypes. The primers and probes used in this assay are specific for enteroviruses.
Assay Range	100 copies/ml to 1×10^{10} copies/ml
Turnaround Time	Within 24 hours of receiving specimen

The CPT codes provided are based on ViraCor's 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 assumes no responsibility for billing errors due to reliance on the CPT codes illustrated in this material.

PCR tests are performed pursuant to a license agreement with Roche Molecular Systems, Inc.

This assay was developed and the performance characteristics were determined at ViraCor Laboratories. This test is performed in a CLIA certified laboratory. FDA approval is not required for the performance of this test.

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