

# HHV-7 Quantitative Real-time DNA PCR

**Test ID** 7000 HHV-7 Real-time qPCR

**Clinical Utility** HHV-7 is detectable in a variety of transplant settings, both HSCT and solid organ. Direct effects of HHV-7 include fever, rash, myelosuppression, encephalitis, and pneumonitis. Potentially more important are the indirect effects HHV-7 has on CMV disease, invasive fungal disease and allograft dysfunction. Quantitative HHV-7 DNA PCR can be used to document the presence of the virus as well as track the course of infection.

**Procedure** Extraction of HHV-7 viral DNA from plasma, other biological fluids, or tissues followed by amplification and detection 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**  
**Whole Blood:** 3-5 ml submitted in an EDTA tube; ship ambient.  
**CSF:** 1 ml fluid frozen; submitted in a sterile, leakproof tube; ship on dry ice.  
**Other:** Please inquire.

**Specificity** The primers and probes used in this assay are specific for known strains of HHV-7 based on similarity search algorithms. Additionally, no cross reactivity was detected when tested against adenoviruses, BKV, CMV, EBV, HSV-1, HSV-2, HHV-6 variant A, HHV-6 variant B, HHV-8, JCV, parvovirus B19, SV-40, and VZV.

**Assay Range** 100 copies/ml to  $1 \times 10^{10}$  copies/ml

**Turnaround Time** Within 24 hours of receiving specimen

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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