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**Lab Dept:** Microbiology/Virology

**Test Name:** HHV7 PCR, QUANTITATIVE

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***General Information***

**Lab Order Codes:** HHV7P

**Synonyms:** Human Herpes Virus 7 PCR; HHV-7; Herpesvirus 7 (HHV-7) DNA, Quantitative Real-Time PCR

**CPT Codes:** 87799 – Infectious agent detection by nucleic acid, not otherwise specified, quantification, each organism

**Test Includes:** HHV7 detection by PCR reported in copies/mL and Log copies/mL

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***Logistics***

**Test Indications:** Useful as an adjunct in the rapid diagnosis of HHV-7 infection. HHV-7 is closely related to HHV-6 and CMV, and can cause reactivation disease in transplant patients or other immune-compromised individuals.

**Lab Testing Sections:** Microbiology - Sendouts

**Referred to:** Mayo Clinic Laboratories forwarded to Quest Diagnostics (MML Test: FHV7P)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 3 – 5 days

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** Blood

**Container:** Blood: Lavender top (EDTA) tube  
Alternate tube: Red NO gel

**Draw Volume:** 3 mL blood (minimum 0.3 mL whole blood or 1.2 mL to obtain plasma or serum)

<b>Processed Volume:</b>	1 mL (Minimum: 0.3 mL) whole blood or plasma/serum
<b>Collection:</b>	Routine blood collection
<b>Special Processing:</b>	Lab Staff: Centrifuge specimen, remove plasma aliquot within 2 hours of collection into a screw-cap plastic vial. Store and ship at refrigerated temperatures. Forward promptly.  Specimen stable 7 days refrigerated (preferred), 30 days frozen or 48 hours ambient, with the exception of whole blood cannot be frozen.
<b>Patient Preparation:</b>	None
<b>Specimen Rejection:</b>	Specimens collected in Lithium/Sodium heparin; mislabeled or unlabeled specimens

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### ***Interpretive***

<b>Reference Range:</b>	Not Detected
<b>Limitations:</b>	The sensitivity of the assay is very dependent upon the quality of the specimen submitted. Results less than 500 copies/mL does not indicate that the patient is not infected with HHV7.  The results obtained should be used in conjunction with clinical findings to make accurate diagnosis.
<b>Methodology:</b>	Real-Time Polymerase Chain Reaction (PCR)
<b>References:</b>	<a href="#">Mayo Clinic Laboratories</a> (December 2023)
<b>Updates:</b>	4/21/2004: Test moved from Eastern Virginia Medical School Department of Pathology to UTSW. 12/5/2006: Test moved to Focus as the UTSW test was not quantitative. 4/25/2011: Whole blood removed as a specimen type option. 3/22/2022: Added Log copies/mL, change forward to Quest. 12/27/2023: Removed outdated reference to Focus Technologies test limitations and interpretations, serum gel tube; added specimen stability; removed ACD as an acceptable blood container.