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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

**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.

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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 Medical Laboratories forward to Focus Diagnostics  
MML Test: FHV7D, Focus test: 43770

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

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 1 – 5 days

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** Blood

Note: Bone marrow will be accepted, but has not been validated. A disclaimer statement will be added to the results.

**Container:** Blood: Lavender top (EDTA) tube  
Alternate tube: Yellow top (ACD) tube or SST (Gold, marble or red)

**Draw Volume:** 3 mL (Minimum:1 mL) blood

<b>Processed Volume:</b>	1 mL (Minimum: 0.3 mL) 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.
<b>Patient Preparation:</b>	None
<b>Specimen Rejection:</b>	Warm specimens; mislabeled or unlabeled specimens

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### ***Interpretive***

**Reference Range:** <500 copies/mL

**Limitations:** 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.

The quantitative range of this assay is 500 HHV-7 DNA copies/mL to 10,000,000 copies/mL.

**Methodology:** Real-time PCR Chain Amplification

**References:** [Mayo Medical Laboratory Web Page](#) January 2018

[Focus Diagnostics](#) January 2018

**Updates:** 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.