

TEST STATUS - NEW TEST**Notification Date:** 2/26/2025**Effective Date:** 3/5/2025**Test Name: Hepatitis E Virus by Quantitative PCR****Test ID:** LAB6776**Explanation:** This test is a new EPIC orderable for Hepatitis E Virus Quantitative PCR testing sent to ARUP vs Miscellaneous Reference Test.**Useful For:** This test provides confirmation and quantification of the presence of Hepatitis E virus.**Methodology:** Qualitative Polymerase Chain Reaction (PCR)**Reference Interval:** Not Detected; Detected**Specimen Requirements:**

| | |
|---------------------------------------|--|
| Specimen Type: | Plasma |
| Alternate Specimen: | Serum |
| Container/Tube: | Lavender (EDTA) or Gold serum separator tube (SST) |
| Specimen Preparation: | Separate from cells. Transfer 1 mL serum or plasma to an aliquot transport tube. |
| Specimen Volume: | 1 mL (minimum 0.5 mL) |
| Pediatric Collection: | Same as above |
| Storage/Transport Temperature: | Frozen |

Specimen Stability Information:

| Specimen Type | Temperature | Time |
|----------------------|--------------------|-------------|
| Plasma or Serum | Ambient | 24 hours |
| Plasma or Serum | Refrigerated | 1 week |
| Plasma or Serum | Frozen | 1 year |

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Cautions: The quantitative range of this assay is 3.3- 8.3 log IU/mL (1,800 - 180,000,000 IU/mL). One IU/mL of HEV RNA is approximately 2.25 copies/mL.

A negative result (less than 3.3 log IU/mL or less than 1,800 IU/mL) does not rule out the presence of PCR inhibitors in the patient specimen or HEV RNA concentrations below the level of detection of the test. Inhibition may also lead to underestimation of viral quantitation.

Reasons for Rejection: Improper specimen type including heparinized samples; Improper specimen collection including lack of patient identification; Insufficient sample volume; Improper specimen transport or storage

Recommendations: See the above indications.

CPT Code(s): 87799

Days(s) Performed: Mon, Thurs

Report Available: 2-5 days

Note: The limit of quantification for this RNA test is 3.3 log IU/mL (1,800 IU/mL). If the test DID NOT DETECT the virus, the test result will be reported as "< 3.3 log IU/mL (< 1,800 IU/mL)." If the test DETECTED the presence of the virus but was not able to accurately quantify the number of international units, the test result will be reported as "Not Quantified."

Questions: Please get in touch with Vanderbilt Medical Laboratories Customer Service at 615-875-5227 (5-LABS) or 800-551-5227 or visit our website: [Home | Vanderbilt Medical Laboratories \(vumc.org\)](https://www.vumc.org)