
Lab Dept: Serology

Test Name: HEPATITIS DELTA ANTIBODY (ANTI-HDV)

General Information

Lab Order Codes: DELT

Synonyms: Anti-Delta; HDV; Anti-HDV

CPT Codes: 86692 – Antibody; hepatitis, delta agent

Test Includes: Anti-HDV Total Aby reported as positive or negative

Logistics

Test Indications: Detection of hepatitis D virus (HDV)-specific total antibodies (combined IgG and IgM) in human serum.

Diagnosis of concurrent HDV infection in patients with acute hepatitis B virus (HBV) infection (acute infection), chronic HBV infection (chronic coinfection), or acute exacerbation of known chronic HBV infection (HDV superinfection).

Lab Testing Sections: Serology - Sendouts

Referred to: Mayo Medical Laboratories (Test: AHDV)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 2 - 8 days

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: SST (Gold, marble or red) tube

Draw Volume: 3 mL (Minimum: 0.6 mL) blood

Processed Volume: 1 mL (Minimum: 0.2 mL) serum

Collection:	Routine venipuncture
Special Processing:	Lab Staff: Centrifuge specimen, remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at frozen temperatures. Forward promptly. Note: Must be separated from cells within 24 hours of collection.
Patient Preparation:	None
Sample Rejection:	Specimens other than serum; gross hemolysis; lipemia; grossly icteric; mislabeled or unlabeled specimens

Interpretive

Reference Range:	Negative (reported as positive, negative)
Critical Values:	N/A
Limitations:	<p>Negative result may not rule out hepatitis D virus (HDV) infection during the early phase of infection or in immunocompromised patients who have delayed or inadequate immune response.</p> <p>False positive results may be due to cross-reactive antibodies from other viral infection or underlying illnesses. Positive result should be correlated with patient's clinical history, physical examination findings, and risk factors for HDV infection.</p> <p>Performance characteristics have not been established for the following characteristics:</p> <ul style="list-style-type: none"> -Grossly icteric (total bilirubin level of >20 mg/dL) -Grossly lipemic (triglyceride level of >3,000 mg/dL) -Grossly hemolyzed (hemoglobin level of >500 mg/dL) -Containing particulate matter -Cadaveric specimens
Methodology:	Enzyme Immunoassay (EIA)
References:	Mayo Medical Laboratories Web Page December 2017
Updates:	<p>4/6/2004: Test moved from Memorial Blood Center of Minneapolis to Mayo Medical Laboratories.</p> <p>9/30/2010: Mayo discontinued internal testing and began forwarding to Focus Diagnostics, 5785 Corporate Ave, Cypress, CA 90630. Storage temp change from frozen to ambient.</p> <p>1/16/2017: Update to SST.</p> <p>12/11/2017: Moved from Mayo forward to ARUP, to testing performed at MML.</p>