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: Diagnose HDV infection in patient with documented acute or chronic HBV and at risk for HDV infection. Consider ordering HBV IgM core antibody testing to determine whether HDV infection is a coinfection or a superinfection with HBV.

Lab Testing Sections: Serology - Sendouts

Referred to: Mayo Medical Laboratories (Test: FHEDA). Forward to ARUP (Test: 0020799)

Phone Numbers:
- MIN Lab: 612-813-6280
- STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 2 - 8 days, test performed Tuesday and Friday

Special Instructions: N/A

**Specimen**

Specimen Type: Blood

Container: SST (Gold or Marble) tube

Draw Volume: 3 mL blood

Processed Volume: 1 mL (Minimum: 1.0 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.

Patient Preparation: None

Sample Rejection: Specimens other than serum; gross hemolysis; lipemia; mislabeled or unlabeled specimens

Interpretive

Reference Range: Negative (reported as positive, negative)

Hepatitis D virus (HDV) infection occurs in association with HBV infection. A positive result for HDV total antibody may indicate either acute or chronic HDV infection. HDV antibodies appear transiently during acute infection, and typically disappear with resolution of the infection. In contrast, HDV antibodies usually persist in chronic infection. Measurement of HDV IgM may help distinguish acute from chronic infection.

Critical Values: N/A

Limitations: This assay does not detect HDV antigen, which is present usually in the liver and is transient or not detectable in serum.

Performance characteristics of this assay have not been established for serum specimens having the following characteristics: lipemia, hemolysis, specimens containing particulate matter.

Methodology: Qualitative Enzyme Immunoassay

References: 
Mayo Medical Laboratories Web Page January 2017
ARUP January 2017

Updates: 4/6/2004: Test moved from Memorial Blood Center of Minneapolis to Mayo Medical Laboratories.
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.
1/16/2017: Update to SST.