### 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

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**Interpretive**

**Reference Range:** Negative (reported as positive, negative)

**Critical Values:** N/A

**Limitations:** 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.

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.

Performance characteristics have not been established for the following characteristics:

- Grossly icteric (total bilirubin level of >20 mg/dL)
- Grossly lipemic (triolein 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](https://www.mayoclinic.org/) December 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.
12/11/2017: Moved from Mayo forward to ARUP, to testing performed at MML.