Lab Dept: Hematology

Test Name: HAPTOGLOBIN

General Information

Lab Order Codes: HAPT

Synonyms: N/A

CPT Codes: 83010 – Haptoglobin; quantitative

Test Includes: Total haptoglobin level reported in mg/dL.

Logistics

Test Indications: A decreased serum haptoglobin level is a very sensitive test of both intravascular and extravascular hemolysis, and reflects the rapid clearance by the reticuloendothelial system of a complex formed between liberated hemoglobin and circulatory haptoglobin. Low levels may also occur in hepatocellular disease, reflecting decreased synthesis by the liver, and that some patients may have a genetically determined deficiency of haptoglobin. Increased synthesis of haptoglobin in acute inflammatory states or malignancy may also mask depletion of serum haptoglobin due to hemolysis.

Lab Testing Sections: Hematology - Sendouts

Referred to: Mayo Medical Laboratories (MML Test: HAPT)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 – 2 days, test set up Monday - Saturday

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: SST (Gold, marble or red) tube

Draw Volume: 3 mL (Minimum: 1.5 mL) blood
**Processed Volume:** 1 mL (Minimum: 0.5 mL) serum

**Collection:** Routine blood collection

**Special Processing:** Lab Staff: Centrifuge specimen, remove serum aliquot into a screw capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly.

**Patient Preparation:** None

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

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**Interpretive**

**Reference Range:** 30 – 200 mg/dL

**Critical Values:** N/A

**Limitations:** Low haptoglobin is normal for the first 3-6 months of life. Haptoglobin is an acute-phase reactant and increases with inflammation or tissue necrosis. Test measures total haptoglobin.

**Methodology:** Nephelometry

**References:** [Mayo Medical Laboratories Web Page](https://www.mayoclinic.org/tests-procedures/haptoglobin/test/df-haptoglobin) February 2018


**Updates:** 2/26/2004: Test moved from Fairview to Mayo Medical Laboratories. Note change in reference range. Lower end previously 15 mg/dL.

2/1/2018: Collection container update.