
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 Clinic Laboratories (MML Test: HAPT)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 – 3 days, test set up Monday - Friday

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. Specimen stable for 28 days refrigerated (preferred) or frozen, ambient for 14 days.
Patient Preparation:	None
Sample Rejection:	Specimens other than serum; mislabeled or unlabeled specimens; gross lipemia

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 Clinic Laboratories December 2024
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. 12/27/2024: Updated turnaround time, added specimen stability.