
Lab Dept: Serology

Test Name: HEPATITIS Bs ANTIBODY (ANTI-HBs)

General Information

Lab Order Codes: HBABY

Synonyms: Hepatitis Bs Antibody; HbsAb; Hepatitis B Surface Antibody

CPT Codes: 86706 – Hepatitis B surface antibody (HbsAb)

Test Includes: Hepatitis B Surface Antibody reported as qualitative and quantitative values (Qualitative result reported as negative, positive or indeterminate. Quantitative result reported in mIU/mL).

Logistics

Test Indications: Useful for identifying previous exposure to HBV. Determining adequate immunity from hepatitis B vaccination.

Lab Testing Sections: Serology - Sendouts

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

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 or Marble)

Draw Volume: 3 mL (Minimum: 1.5 mL) blood

Processed Volume: 1 mL (Minimum: 0.5 mL) serum

Collection: Routine venipuncture

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

Patient Preparation: None

Sample Rejection: Specimens other than serum; lipemic specimens; gross hemolysis; grossly icteric; mislabeled or unlabeled specimens

Note: Heparinized specimens will not be tested.

Interpretive

Reference Range: Qualitative:
Unvaccinated: negative
Vaccinated: positive

Quantitative:
Unvaccinated: <5.0 mIU/mL
Vaccinated: > or =12.0 mIU/mL

Interpretation:

This assay provides both qualitative and quantitative results. Positive results usually indicate recovery from acute or chronic hepatitis B virus (HBV) infection, or acquired immunity from HBV vaccination.

Positive results (quantitative hepatitis B surface antibody[anti-HBs] levels of > or =12 mIU/mL) indicate an adequate immunity to hepatitis B from previous HBV infection or HBV vaccination.

Negative results (quantitative anti-HBs levels <5.0 mIU/mL) indicate a lack of recovery from acute or chronic hepatitis B or inadequate immune response to HBV vaccination.

Critical Values: N/A

Limitations: Passively acquired hepatitis B surface antibody (anti-HBs) (i.e., transfusion, recent immune globulin treatment) can yield positive results without indicating permanent immunity to hepatitis B virus (HBV) infection. Anti-HBs may fall below detectable levels over time. Not useful for the demonstration of acute HBV infection. Performance characteristics have not been established for the following specimen characteristics: grossly icteric, lipemia, hemolysis, containing particulate matter or cadaveric specimens.

Methodology: Chemiluminescence Immunoassay

This assay produces both qualitative and quantitative results.

References: [Mayo Medical Laboratories Web Page](#) June 2014

Updates:

4/6/2004: Test moved from Memorial Blood Center of Minneapolis to Mayo Medical Laboratories.

3/8/2005: Test method previously listed as Enzyme Immunoassay.

1/20/2006: CPT 2006 updates

3/29/2007: CPT 2007 updates

12/3/2013: Update reference ranges for quantitative testing due to platform change.

6/30/2014: Reference range update for HBAB, Quantitative

1/16/2017: Update to SST.