

Hepatitis B Surface Antibody Screen, Qualitative/Quantitative, Serum

Test ID: HBBSN; performed at Mayo Clinic Laboratories Florida.

Useful for:

Identifying previous exposure to hepatitis B virus.

Ordering Guidance:

If patient is being monitored for hepatitis B immune globulin (HBIG) therapy after organ transplantation, order HBABT / Hepatitis B Surface Antibody Monitor, Post-Transplant, Serum.

This test should **not** be used for prenatal screening of pregnant individuals with or without risk factors for hepatitis B virus (HBV) infection. For testing such, order HBABP / Hepatitis B Surface Antibody Prenatal, Qualitative/Quantitative, Serum.

This test should **not** be used for diagnostic testing of symptomatic individuals to evaluate post-vaccination immunity status or post-acute infection status of HBV. For testing such patients, order HBAB / Hepatitis B Surface Antibody, Qualitative/Quantitative, Serum.

Methods:

Chemiluminescence Immunoassay (CIA)

Reference Values:

Hepatitis B Surface Antibody

Unvaccinated: negative

Vaccinated: positive

Hepatitis B Surface Antibody, Quantitative

Unvaccinated: <5.0 mIU/mL

Vaccinated: > or =12.0 mIU/mL

Specimen Requirements:

Collection Container/Tube: Serum gel

Submission Container/Tube: Plastic vial

Specimen Volume: 1 mL

Collection Instructions:

1. Centrifuge blood collection tube per collection tube manufacturer's instructions (eg, centrifuge and aliquot within 2 hours of collection for BD Vacutainer tubes)
2. Aliquot serum into plastic vial.

Minimum Volume: 0.5 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Serum SST	Frozen (preferred)	28 days
	Ambient	24 hours
	Refrigerated	7 days

Cautions:

Individuals who have received blood component therapies (eg, whole blood, plasma, or intravenous immunoglobulin infusion) in the previous 3 to 6 months may have false-positive hepatitis B surface antibody (anti-HBs) results due to passive transfer of anti-HBs present in these products.

Individuals possessing IgM anti-rubella virus may have falsely high results with the VITROS Anti-HBs quantitative test.

Anti-HBs levels from past hepatitis B or hepatitis B virus (HBV) vaccination may fall below detectable levels over time.

A positive anti-HBs result does not exclude infection by another hepatitis virus.

Performance characteristics have not been established for the following specimen characteristics:

- Grossly icteric (total bilirubin level of >20 mg/dL)
- Grossly lipemic (triglyceride level of >3000 mg/dL)
- Grossly hemolyzed (hemoglobin level of >500 mg/dL)
- Containing particulate matter
- Cadaveric specimens
- Body fluids other than serum (eg, saliva, urine, spinal fluid, amniotic, peritoneal, or pleural fluids)

CPT Code:

86706

G0499

Day(s) Performed: Monday through Friday, Sunday **Report Available:** 1 to 3 days

Questions

Contact Bonnie Meyers, Laboratory Technologist Resource Coordinator at 800-533-1710.