

Hepatitis B Virus Surface Antigen, Quantitative, Serum

Test ID: HBAGQ

Useful for:

Monitoring of progression of chronic hepatitis B in individuals who are confirmed to be positive for hepatitis B surface antigen

Monitoring of response to antiviral therapy in individuals who have chronic hepatitis B but are negative for hepatitis B e antigen and positive for hepatitis B e antibody

Methods:

Chemiluminescent Enzyme Immunoassay

Specimen Requirements:

Collection Container/Tube: Serum gel

Submission Container: Plastic vial

Specimen Volume: 2 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. Transfer serum into aliquot tube.

Minimum Volume: 0.5 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Serum	Frozen (preferred)	28 days
	Refrigerated	14 days
	Ambient	7 days

Cautions:

Given the complex kinetics of hepatitis B virus (HBV) replication in chronic hepatitis B, a single undetectable result of hepatitis B surface antigen (HBsAg) in the serum specimen of an HBV-infected individual receiving antiviral therapy does not indicate cure or the absence of this virus in this individual. Serial measurements of HBsAg and other tests, such as HBV DNA (HBVQN / Hepatitis B Virus [HBV] DNA Detection and Quantification by Real-Time PCR, Serum) may be helpful or necessary to determine the definitive infection status in such individuals.

Individuals, especially neonates and children, who recently received hepatitis B vaccination may have transient positive HBsAg test results because of the large dose of HBsAg used in the vaccine relative to the individual's body mass.

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

CPT Code:

82397

Day(s) Performed: Monday and Thursday

Report Available: 1 to 4 days

Questions

Contact James Conn, Laboratory Technologist Resource Coordinator at 800-533-1710.