HEPATITIS B SURFACE ANTIBODY

Effective November 18, 2014, the clinical laboratory will switch methodologies for the Hepatitis B Surface Antibody test. The switch will be from the Siemens ADVIA Centaur Chemiluminescent Immunoassay to the Abbott ARCHITECT i1000 Chemiluminescent Microparticle Immunoassay (CMIA).

Sample Requirements: Collect - SST (gold top) or plain red top serum or EDTA plasma, 4 mL

Patient Preparation: None

Storage/Transport: Deliver at room temperature to the laboratory for processing. If sample cannot be delivered to the laboratory within 8 hours of collection, centrifuge sample and transport separated serum or plasma refrigerated at 2-8°C.

Stability: Separated serum/plasma: Room temperature for 72 hrs; refrigerated 2-8°C for 7 days, or frozen at -20°C for longer storage.

Minimum Volume: 0.3 mL serum/plasma

Unacceptable Conditions: samples other than serum or EDTA plasma; samples not held at correct temperature; and grossly hemolyzed samples.

Reference Interval: REACTIVE (≥ 12.00 mIU/mL) for vaccination or previous infection
Nonreactive (<8.00 mIU/mL) for unvaccinated and no previous infection.

Interpretive Information:

Values < 8.00 mIU/mL are reported as Nonreactive. Values ≥ 12.00 mIU/mL are reported as REACTIVE. Quantitative values between 8.00 and 11.9 mIU/mL are reported as Equivocal. Equivocal results should be further assessed with additional diagnostic information and if indicated, follow-up testing. The accepted criteria for immunity to Hepatitis B Virus (HBV) is anti-HBs activity ≥ 10 mIU/mL, as defined by the WHO International Reference Preparation.

Routine Testing: Daily M through F dayshift and Sa – Su evening shift in Special Chemistry at the STC location.

If you have questions or need additional information, please contact Laboratory Client Services at (916) 734-7373 or email pathologyclientservices@ucdmc.ucdavis.edu.