

Previous Viral Hepatitis (Unknown Type), Serum

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

Useful for:

Determining if an individual has been infected following exposure to an unknown type of viral hepatitis virus.
 Obtaining baseline serologic markers of an individual exposed to a source with an unknown type of hepatitis.
 Determining immunity to hepatitis A and B viral infections

Profile Information:

Test ID	Reporting Name	Available Separately	Always Performed
HAVTA	Hepatitis A Virus Total Ab, S	Yes	Yes
HBAG	HBs Antigen, S	Yes	Yes
HBAB	HBs Antibody, S	Yes	Yes
HBC	HBc Total Ab, S	Yes	Yes
HCVDX	HCV Ab w/Reflex to HCV PCR, S	Yes	Yes

Reflex Tests:

Test ID	Reporting Name	Available Separately	Always Performed
HBGNT	HBs Antigen Confirmation, S	No	No
HCVQN	HCV RNA Detect/Quant, S	Yes	No

Testing Algorithm:

If hepatitis C virus (HCV) antibody is reactive, then HCV RNA detection and quantification by real-time reverse transcription polymerase chain reaction will be performed at an additional charge.

If hepatitis B virus surface antigen (HBsAg) is reactive, then HBsAg confirmation will be performed at an additional charge.

Methods:

HAVTA, HBAG, HBAB, HBC, HCVDX, HBGNT: Electrochemiluminescence Immunoassay (ECLIA)
 HCVQN: Real-Time Reverse Transcription-Polymerase Chain Reaction (RT-PCR)

Reference Values:

HEPATITIS B VIRUS SURFACE ANTIGEN
Negative

HEPATITIS B VIRUS SURFACE ANTIGEN CONFIRMATION
Negative

HEPATITIS B VIRUS SURFACE ANTIBODY, QUALITATIVE/QUANTITATIVE
Hepatitis B Surface Antibody
Unvaccinated: Negative
Vaccinated: Positive

HEPATITIS B VIRUS SURFACE ANTIBODY, QUANTITATIVE
Unvaccinated: <8.5 mIU/mL
Vaccinated: > or =11.5 mIU/mL

HEPATITIS B VIRUS CORE TOTAL ANTIBODIES
Negative

HEPATITIS A VIRUS TOTAL ANTIBODY
Unvaccinated: Negative
Vaccinated: Positive

HEPATITIS C VIRUS ANTIBODY
Negative

HEPATITIS C VIRUS RNA DETECTION and QUANTIFICATION by REAL-TIME RT-PCR
Undetected

Specimen Requirements:

Patient Preparation:	For 24 hours before specimen collection, patient should not take multivitamins or dietary supplements (e.g. hair, skin, and nail supplements) containing biotin (Vitamin B7)
Supplies:	Sarstedt 5 mL Aliquot Tube (T914)
Collection Container/Tube:	Serum gel
Submission Container/Tube:	Plastic vial
Specimen Volume:	2.6 mL
Collection Instructions:	<ol style="list-style-type: none">1. Centrifuge blood collection tube per manufacturer's instructions (e.g. centrifuge and aliquot within 2 hours of collection for BD Vacutainer tubes).2. Aliquot 1.8 mL serum into a plastic vial and ship frozen (preferred).
Minimum Volume:	1.8 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Serum SST	Frozen (preferred)	84 days
	Refrigerated	6 days

Cautions:

Positive hepatitis B surface antigen (HBsAg) results may need to be reported by the healthcare providers to their communicable disease surveillance units of state departments of health, as required by law in various states.

Type-specific tests should be used to evaluate individuals who have been exposed to a source with a known type of hepatitis (eg, hepatitis A, hepatitis B, hepatitis C).

Serum specimens from individuals taking biotin supplements at 20 mg or more per day may have **false-positive** results for HAV total antibody and HBc total antibody, as well as **false-negative** results for HBsAg and HCV total antibody, due to interference of biotin with the assay. Such individuals should stop taking these biotin-containing dietary supplements for minimum 12 hours before blood collection for this test.

CPT Code:

86704
86706
86708
86803
87340
87341 (if appropriate)
87522 (if appropriate)

Day(s) Performed: Profile tests: Monday through Friday, Sunday; Reflex tests: Varies

Report Available: Same day/1 to 2 days

Questions

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