

Hepatitis Virus

Test Menu

Test Name	Test Code	Specimen Requirements	Clinical Use Summary
Hepatitis Panel, Acute	104750	5 mL refrigerated serum from a serum separator tube (3 mL min) AND 2 mL refrigerated plasma from a lavender-top (EDTA) tube (1 mL min). Centrifuge and transfer plasma from whole blood within 24 hours of collection to a screw-cap plastic tube.	Includes Hepatitis A IgM; Hepatitis B Core IgM; Hepatitis B Surface Ag w/Reflex Confirmation (at additional charge); and Hepatitis C Ab w/Reflex to Hepatitis C Quantitative (at additional charge)
Hepatitis A Antibody, IgM	102555	1 mL refrigerated serum from a plain red-top tube or serum separator tube (0.5 mL minimum).	Screen for recent Hepatitis A infection
Hepatitis A Antibody, Total	102562	1 mL refrigerated serum from a plain red-top tube or serum separator tube (0.5 mL minimum).	Screen to show exposure/immunity to Hepatitis A
Hepatitis B Surface Antibody, Qualitative	9235	1 mL refrigerated serum from a plain red-top tube or serum separator tube (0.5 mL minimum).	Screen to show exposure/immunity to Hepatitis B
Hepatitis B Surface Antibody, Quantitative (Immunity)	21810	1 mL refrigerated serum from a plain red-top tube or serum separator tube (0.5 mL minimum).	Used to determine immunity to Hepatitis B post-vaccination
Hepatitis B Surface Antigen w/reflex to confirmation	8020	2 mL refrigerated serum from a plain red-top tube or serum separator tube (1 mL minimum).	Screen to show recent Hepatitis B infection. Reactive results reflex to confirmation (at additional charge)
Hepatitis B Chronic Panel	1327	4 mL refrigerated serum from a plain red-top tube or serum separator tube (2 mL minimum).	Includes Hepatitis B Surface Ag w/Reflex Confirmation; Hepatitis Be Ab; and Hepatitis Be Ag
Hepatitis B Immune Profile	7561	2 mL refrigerated serum from a plain red-top tube or serum separator tube (1 mL minimum).	Includes Hepatitis B Surface Ab and Hepatitis B Core Ab, Total
Hepatitis B Virus Drug Resistance, Genotype & BCP/ Precore Mutations	701033	1 mL frozen EDTA plasma from a lavender-top tube or PPT white-top tube (0.3 mL minimum).	Confirm resistance-associated mutation(s) as a potential cause of virologic breakthrough; Assist with selection of patient-specific therapy after virologic breakthrough; Assess prognosis; For use when viral load is at least 600 IU/mL (For unknown viral loads order test 906118 - HBV DNA, Quantitative PCR w/rflx HBV Genotype)
Hepatitis B Virus DNA, Quantitative, RT-PCR	90012	A separate, designated sample is required: 2 mL frozen plasma from a lavender-top (EDTA) tube (1 mL min). Centrifuge and transfer plasma from whole blood within 24 hours of collection to a screw-cap plastic tube.	Use to monitor disease progression and treatment efficacy; reportable range is 10 - 10,000,000,000 IU/mL (1.00 - 9.00 Log IU/mL)

Tests on this chart may change periodically.

Healthcare professionals should screen all patients for evidence of current or prior HBV infection before starting treatment with direct-acting antivirals, and monitor patients using blood tests for HBV flare-ups or reactivation during treatment and post-treatment follow-up. It is currently unknown why the reactivation occurs.¹

Reference:

1. FDA Drug Safety Communication: FDA warns about the risk of hepatitis B reactivating in some patients treated with direct-acting antivirals for hepatitis C, U.S. Food & Drug Administration (October 4, 2016). Retrieved from <https://www.fda.gov/Drugs/DrugSafety/ucm522932.htm>

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Hepatitis C Antibody w/reflex to Hepatitis C RNA Quantitative, RT-PCR	8587	1 mL refrigerated serum from a serum separator tube (SST) (0.5 mL min) AND 2 mL refrigerated plasma from a lavender-top (EDTA) tube (1 mL min). Centrifuge and transfer plasma from whole blood within 24 hours of collection to a screw-cap plastic tube.	Detect HCV antibody and confirm active HCV infection; establish baseline viral load for treatment monitoring; If Hepatitis C Antibody is reactive, then Hepatitis C RNA, Quantitative, RT-PCR will be performed at an additional charge
Hepatitis C Virus RNA, Quantitative, RT-PCR	905541	2 mL frozen plasma from a lavender-top (EDTA) tube (1 mL min). Centrifuge and transfer plasma from whole blood within 24 hours of collection to a screw-cap plastic tube.	Useful in monitoring response to therapy and/or disease progression; Reportable range is 15-100,000,000 IU/mL (1.18-8.00 Log IU/mL)
Hepatitis C Viral RNA Genotype, LiPA®	15294	2 mL refrigerated EDTA plasma from a lavender-top tube or PPT white-top tube (0.6 mL minimum). Centrifuge and transfer plasma to a screw-cap plastic tube within 24 hours of collection.	Determine whether to begin antiviral therapy in patients with chronic HCV infection; Determine duration and dosage of treatment; Predict response to therapy; Minimum viral load of ≥300 IU/mL; If viral load is <300 IU/mL or has not been quantified in the last 1-2 months, test code 901398 - HCV RNA, Quantitative, RT-PCR w/rflx Genotype, LiPA® is recommended
Hepatitis C Virus RNA, Quantitative, RT-PCR, w/reflex Genotype, LiPA®	901398	A separate, designated sample is required: 3 mL frozen EDTA plasma from a lavender-top tube (1.5 mL minimum). Centrifuge and transfer plasma to a screw-cap plastic tube within 24 hours of collection.	Establish baseline HCV viral load for monitoring response to treatment; Determine treatment duration based on the HCV genotype; Reflex at additional charge to Genotype LiPA® if viral load >300 IU/mL
Hepatitis C Viral RNA Genotype 1 NS3 Drug Resistance	906415	2 mL frozen EDTA plasma from a lavender-top tube (0.6 mL minimum).	HCV Genotype 1 is required for this test. Used to detect grazoprevir, simeprevir, and paritaprevir resistance-associated NS3 mutations in genotype 1 NS3 protease inhibitor treatment-experienced patients, along with the Q80K polymorphism in patients being considered for a simeprevir-containing regimen.
Hepatitis C Viral RNA Genotype 1 NS5A Drug Resistance	906678	2 mL frozen EDTA plasma from a lavender-top tube (0.6 mL minimum).	Detects mutations or polymorphisms for genotype 1a or 1b in the NS5A gene associated with NS5A inhibitor treatment failure.
Hepatitis C Viral RNA Genotype 1 NS5B Drug Resistance	906679	2 mL frozen EDTA plasma from a lavender-top tube (0.6 mL minimum).	Detects mutations or polymorphisms for genotype 1a or 1b in the NS5B gene associated with NS5B inhibitor treatment failure.
Hepatitis C Viral RNA Genotype 3 NS5A Drug Resistance	906677	2 mL frozen EDTA plasma from a lavender-top tube (0.6 mL minimum).	Detects daclatasvir resistance associated polymorphisms, particularly Y93H for genotype 3 in the NS5A gene associated with NS5A inhibitor treatment failure.
Hepatitis C Virus RNA Quantitative Real-Time PCR w/reflexes	906684	A separate, designated sample is required: 3 mL frozen EDTA plasma from a lavender-top tube (2 mL minimum).	Used to obtain HCV viral load, HCV genotype and NS5a resistance testing when considering treatment with Zepatier™ or in other circumstances where all three tests are warranted; If HCV RNA, PCR QT is ≥300 IU/mL HCV Genotype, LiPA® is "GENOTYPE 1", "GENOTYPE 1a", or "GENOTYPE 1a or 1b" then reflex Hepatitis C Viral RNA Genotype 1 NS5a Drug Resistance will be performed at additional charge.

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