

Hepatitis Testing

Hepatitis A, Hepatitis ABC Panel, and Hepatitis B Tests			
Test	Detects	Useful For	Reflexes To
Hepatitis A Antibody w/reflex to IgM	IgG antibodies to Hepatitis A	Detection of previous exposure or immunity to hepatitis A infection	Hepatitis A IgM - <i>if Hepatitis A IgG is detected</i>
Hepatitis A IgM *DO NOT order if Hepatitis A Antibody W/refelx to IgM has also been ordered.	IgM antibodies to Hepatitis A	Diagnosis of acute or recent hepatitis A infection	
Hepatitis ABC Panel	Hepatitis B Core Antibodies Hepatitis B surface Antigen Hepatitis A IgM Antibodies Hepatitis C Antibodies	Differential diagnosis of recent acute viral hepatitis	Hepatitis B Surface Antigen Confirmation - <i>If Hep B Surface Antigen is detected</i> Hepatitis C RNA Quantiative - <i>If Hep C antibodies are detected</i>
Hepatitis B Core	Hepatitis B Core IgM Antibodies	Diagnosis of acute hepatitis B virus (HBV) infection Identifying acute HBV infection in the serologic window period when hepatitis B surface antigen and anti-hepatitis B surface are negative Differentiation between acute and chronic or past HBV infections in the presence of positive anti-hepatitis B core	
Hepatitis B Surface Antibody	Surface Antibodies to Hepatitis B	Identifying previous exposure to hepatitis B virus Determining adequate immunity from hepatitis B vaccination	
Hepatitis B Surface Antigen	Surface Antigens to Hepatitis B	Diagnosis of acute, recent, or chronic hepatitis B infection Determination of chronic hepatitis B infection status	
Hepatitis B Viral DNA Quantitative	Hepatitis B DNA	Detection and quantification of hepatitis B virus (HBV) DNA in serum of patients with chronic HBV infection (ie, hepatitis B surface antigen-positive) Monitoring disease progression in chronic HBV infection Monitoring response to anti-HBV therapy	

Hepatitis C Tests			
Test	Detects	Useful For	Reflexes To
Hepatitis C Antibody w/reflex to PCR	Hepatitis C Antibodies	Screening for Hepatitis C	Hepatitis C RNA (Hepatitis C Viral Load) - <i>If Hepatitis C antibodies are detected</i>
Hepatitis C RNA (Hepatitis C Viral Load) *DO NOT order if Hepatitis C Antibody w/reflex to PCR has also been ordered	Heptatitis C RNA/viral load (quantitative)	<p>Detection of acute hepatitis C virus (HCV) infection before the appearance of HCV antibodies in serum (ie, <2 months from exposure)</p> <p>Detection and confirmation of chronic HCV infection</p> <p>Quantification of HCV RNA in serum of patients with chronic HCV infection (HCV antibody-positive)</p> <p>Monitoring disease progression in chronic HCV infection and response to antiviral therapy</p> <p>Determining cure and detection of relapse after completion of antiviral therapy</p>	
Hepatitis C Quantative w/reflex to Genotype 4016653	Heptatitis C RNA/viral load (quantitative)	<p>Detection of acute hepatitis C virus (HCV) infection before the appearance of HCV antibodies in serum (ie, <2 months from exposure)</p> <p>Detection and confirmation of chronic HCV infection and determining HCV genotype (1 to 5) to guide antiviral therapy in patients with chronic hepatitis C</p> <p>Quantification of HCV RNA in serum of patients with chronic HCV infection (HCV antibody-positive) before initiating antiviral therapy</p> <p>Determining cure and detection of relapse of HCV infection after completion of antiviral therapy</p>	<p>Hepatitis C Genotype - <i>If viral load is detected</i></p> <p>Note: Genotyping can only be performed if viral load is >500 IU/mL</p>
Hepatitis C Genotype Only *DO NOT order if Hepatitis C Quantative w/reflex to genotype is also ordered.	Hepatitis C Genotype	<p>Determining hepatitis C virus (HCV) genotype (1 to 5) to guide antiviral therapy in patients with chronic hepatitis C</p> <p>Differentiating between HCV subtypes 1a and 1b</p> <p>Note: Genotyping can only be performed if viral load is >500 UI/mL</p>	

Less Common Hepatitis Tests			
Test	Detects	Useful For	Reflexes To
Hepatitis B e Antibody	Antibodies to the Hepatitis Be antigen	Determining infectivity of hepatitis B virus (HBV) carriers Monitoring infection status of individuals with chronic hepatitis B Monitoring serologic response of chronically HBV-infected patients receiving antiviral therapy	
Hepatitis B e Antigen	Hepatitis B e antigens	Determining infectivity of hepatitis B virus (HBV) carriers Monitoring infection status of individuals with chronic hepatitis B Monitoring serologic response of chronically HBV-infected patients receiving antiviral therapy	
Hepatitis C Virus Genotype Antiviral Drug Resistance	Hepatitis C DNA mutations that confer antiviral drug resistance in Hepatitis C Genotype 1.	Detection and identification of codon substitutions in the hepatitis C virus (HCV) NS3, NS5A, and NS5B genomic regions that confer resistance to current direct-acting antiviral (DAA) drugs used for treatment of chronic hepatitis C infection due to HCV genotype 1a, 1b, or 3 (any subtype) Guiding initiation or change of antiviral drug combinations for the treatment of chronic HCV infection	
Hepatitis D Antibody	Hepatitis D antibodies	Detection of hepatitis D virus (HDV)-specific total antibodies (combined IgG and IgM) in human serum Diagnosis of concurrent HDV infection in patients with fulminant acute hepatitis B virus (HBV) infection (acute coinfection), chronic HBV infection (chronic coinfection), or acute exacerbation of known chronic HBV infection (HDV superinfection)	
Hepatitis E Antibody	Hepatitis E IgM antibodies	Diagnosis of acute or recent (<6 months) hepatitis E infection	Hepatitis E IgM Antibody Confirmation - <i>If Hepatitis E IgM antibodies are detected</i>

Source: Mayo Clinic Laboratories Test Catalog