

## Hepatitis Serological Profile Interpretation Guide

Profile	Test									Interpretation
	1 HBsAg	2 Anti-HBs	3 Anti-HBc (Total)	4 Anti-HBc (IgM Only)	5a HBeAg	5b Anti-HBe	8 Anti-HAV (Total)	9 Anti-HAV (IgM Only)	10 Anti-HCV	
Acute, enteric exposure								+		Acute type A hepatitis Consider HEV infection*
Acute, non-enteric or type unknown	-			-				+	-	Acute type A hepatitis
	+			+				-	-	Acute type B hepatitis**
	-			-				-	+	Acute or chronic type C hepatitis with co-existing acute illness of other etiology*
	-			-				-	-	Consider early type C hepatitis or infection with HEV, CMV, or EBV*
Chronic, type B (HBV monitor or prenatal screen)	-				NT	NT				Recovery from type B hepatitis
	+				+	-				Chronic type B hepatitis, active replicating virus**
	+				-	+				Chronic type B hepatitis, non replicating virus**
Chronic, type unknown	+	-	+	-					-	Chronic type B hepatitis**/**
	-	+/-	+/-	-					+	Chronic type C hepatitis
	-	-	-	NT					-	Non-B, C hepatitis (consider HCV-RNA test)
	+	-	+	-					+	Chronic hepatitis, HBV and HCV co-infection**
HBV immunity screen		+								Past exposure to HBV with recovery and/or immunity
HAV immunity screen							+			Past exposure to HAV with recovery and/or immunity
Hepatitis screen (previous exposure)	-	-	-				+	-	-	Past exposure to HAV with recovery and/or immunity
	-	-	-				+	+	-	Recent type A hepatitis
	-	-	-				-	NT	+	Exposure to HCV with recovery or chronicity
	+	-	-				-	NT	-	Exposure to HBV, early infection, asymptomatic
	+	-	+				-	NT	-	Type B hepatitis, chronic or carrier state
	-	+/-	+				-	NT	-	Exposure to HBV with recovery/immunity
	-	-	-				-	NT	-	Possible exposure to non A, B, C hepatitis

\*HEV testing - contact Barnes-Jewish Hospital Laboratory

\*\*Consider delta co-infection HDV (delta)

\*\*\*Consider HBV-DNA test

NT = not tested