

**Viral Hepatitis Serologic Profiles—Billings Clinic Laboratory**

Test 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 hepatitis A
	-	-	-	-	-	-	-	-	-	Possible hepatitis E*
Acute, non-enteric or type unknown	+	-	-	+	-	-	-	-	-	Acute hepatitis A
	-	-	-	-	-	-	-	-	+	Acute hepatitis B**
	-	-	-	-	-	-	-	-	-	Acute or chronic hepatitis C with co-existing acute illness of other etiology*
	-	-	-	-	-	-	-	-	-	Consider early hepatitis C or hepatitis E, CMV, or EBV*
Chronic, Type B screen	+	-	+	-	+	-	-	-	-	Chronic hepatitis B, active replicating virus*****
	+	-	+	-	-	+	-	-	-	Chronic hepatitis B, non-replicating virus*****
Chronic, type unknown	+	-	+	-	-	-	-	-	-	Chronic hepatitis B*****
	-	-	-	NT	-	-	-	-	+	Chronic hepatitis C†
	-	-	-	NT	-	-	-	-	-	Consider non-viral causes of chronic hepatitis
	+	-	+	-	-	-	-	-	+	Chronic HBV and HCV co-infection*****†
	-	+	+	+	-	-	-	-	+	Chronic hepatitis C† and exposure to HBV with recovery / immunity
HBV immunity screen	-	+	-	-	-	-	-	-	-	Immune to HBV
HAV immunity screen	-	-	-	-	-	-	+	-	-	Immune to HAV
Previous Hepatitis exposure screen	-	-	-	-	-	-	+	-	-	Exposure to HAV with recovery / immunity
	-	-	-	-	-	-	+	+	-	Recent hepatitis A
	-	-	-	-	-	-	-	-	+	Exposure to HCV with recovery or chronicity
	+	-	-	-	-	-	-	-	-	Exposure to HBV, early infection, asymptomatic
	+	-	+	-	-	-	-	-	-	Hepatitis B, chronic or carrier state
	+	-	+	+	-	-	-	-	-	Acute hepatitis B**
	-	+/-	+	-	-	-	-	-	-	Exposure to HBV with recovery / immunity
	-	-	+	+	-	-	-	-	-	Early acute hepatitis B (core window)
-	-	-	-	-	-	-	-	-	Consider non-viral causes of previous hepatitis	

\*Consider hepatitis E IgM Ab test \*\*Consider HDV (delta) co-infection \*\*\*Consider HBV DNA test †Consider HCV RNA test NT=not tested

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