

HEPATITIS SEROLOGICAL PROFILE INTERPRETATION GUIDE

| | TEST | | | | | | | | | |
|--|---|-------------------|------------------------------|------------------------------------|-------------|--------------------|------------------------------|-----------------------------|--------------------|--|
| Profile | 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 | Interpretation |
| 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 coexisting 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 |
| | - | - | - | | | | | | - | 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 |
| | - | - | - | | | | - | | | Exposure to HCV with recovery or chronicity |
| | + | - | - | | | | - | NT | - | Exposure to HBV, early infection, asymptomatic |
| | | - | | | | | - | | - | Type B hepatitis, chronic or carrier state |
| | - | +/- | + | | | | - | NT | - | Exposure to HBV with recovery/immunity |
| | - | - | - | | | | - | | - | Possible exposure to non A, B, C hepatitis |
| | *HEV testing – contract Mayo Medical Laboratories **Consider delta co-infection HDV (delta) ***Consider HBV-DNA test NT = Not Tested | | | | | | | | | |