

CHRONIC LIVER DISEASE ENZYME CHART

Diagnostic Reference Template

Patient ID: _____

Marker	Full Name	Normal Range*	Clinical Significance in Chronic Disease
ALT	Alanine Aminotransferase	7-55 U/L	Specific indicator of liver inflammation. Often higher than AST in early chronic hepatitis.
AST	Aspartate Aminotransferase	8-48 U/L	If AST > ALT, it may indicate advanced fibrosis, cirrhosis, or alcohol-related injury.
ALP	Alkaline Phosphatase	40-129 U/L	Elevations suggest bile duct obstruction, cholestasis, or primary biliary cholangitis (PBC).
GGT	Gamma-Glutamyl Transferase	8-61 U/L	Highly sensitive for bile duct injury and chronic alcohol consumption.
Albumin	Albumin (Protein)	3.5-5.0 g/dL	Decreased levels indicate reduced synthetic function (common in advanced cirrhosis).
Bilirubin	Total Bilirubin	0.1-1.2 mg/dL	High levels cause jaundice; indicates inability of the liver to process/excrete bile.
INR/PT	Prothrombin Time	1.1 (Ratio)	Measures blood clotting speed. Elevation indicates severe chronic functional loss.

Monitoring Log

Date	ALT	AST	ALP	Bilirubin	Notes
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**Normal ranges vary by laboratory and individual patient factors. This chart is for educational reference only and does not constitute medical advice. Consult a hepatologist for diagnosis.*