

LIVER FUNCTION TEST (LFT) REFERENCE

Template for Clinical Reference Only
Standard Adult Ranges

TEST NAME	ABBREVIATION	NORMAL RANGE (TYPICAL)	CLINICAL SIGNIFICANCE
Liver Enzymes			
Alanine Aminotransferase	ALT (SGPT)	7 - 55 U/L	Specific indicator of acute liver cell damage.
Aspartate Aminotransferase	AST (SGOT)	8 - 48 U/L	Found in liver, heart, and muscles; elevated in cell injury.
Alkaline Phosphatase	ALP	40 - 129 U/L	Related to bile ducts; elevated in blockage or bone turnover.
Gamma-Glutamyl Transferase	GGT	8 - 61 U/L	Sensitive marker for bile duct injury and alcohol use.
Proteins & Synthetic Function			
Total Protein	TP	6.3 - 7.9 g/dL	Sum of albumin and globulins.

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Albumin	ALB	3.5 - 5.0 g/dL	Main protein made by liver; reflects chronic nutrition/synthesis.
Prothrombin Time	PT / INR	1.1 INR	Measures blood clotting speed; reflects acute liver failure.

Bilirubin & Metabolites

Total Bilirubin	TBIL	0.1 - 1.2 mg/dL	Waste product from red blood cell breakdown.
Direct Bilirubin	DBIL	< 0.3 mg/dL	Conjugated bilirubin; elevated in duct obstruction.
L-Lactate Dehydrogenase	LDH	122 - 222 U/L	General marker of tissue damage.

Clinical Notes

- Ranges vary by laboratory, age, gender, and methodology.
- An isolated elevation of one enzyme does not confirm a diagnosis.
- AST:ALT ratio > 2:1 is often suggestive of alcoholic liver disease.
- Correlate results with physical exam, history, and imaging (e.g., Ultrasound).

This document is a visual template for educational reference and does not constitute medical advice or diagnostic results.