

**Commonly Ordered Laboratory Tests (Adult)**

**Reference Ranges**

<b>Test</b>	<b>Profile</b>	<b>Reference Range (Adult)</b>	<b>Test</b>	<b>Profile</b>	<b>Reference Range (Adult)</b>
ALT	<b>CMP</b>	M 0-40 U/L		<b>TDM</b>	
		F 0-31 U/L	Digoxin		0.8-2.0 ng/mL
AST		M 0-37 U/L	Gentamicin		5.0-10.0 mcg/mL (peak)
		F 0-31 U/L			Therapeutic: <2.0 mcg/mL (trough)
Albumin		3.2-4.9 g/dL			Toxic: >2.0 mcg/mL (trough)
Alk. Phosphatase		30-117 U/L	Lithium		0.6-1.2 mmol/L
Bilirubin, total		0.2-1.2 mg/dL	Phenytoin/Dilantin		10.0-20.0 mcg/mL
Protein		6.5-8.4 g/dL	Phenobarbitol		15-40 mcg/mL
BUN	<b>BMP</b>	18-59 years: 6-20 mg/dL	Theophylline		10-20 mcg/mL
		≥60 years: 8-23 mg/dL	Valproic Acid		50-100 mcg/mL
Calcium		8.5-10.5 mg/dL	Vancomycin		15-20 mcg/mL for MRSA (trough)
Creatinine		0.4-1.2 mg/dL			10-15 mcg/mL for all other (trough)
Glucose, fasting		70-100 mg/dL		<b>CBC</b>	
CO <sub>2</sub>	<b>LYTE</b>	0-59 years: 22-29 mmol/L	WBC		4.5-11.0 K/uL
		≥60 years: 23-31 mmol/L	RBC	M 4.5-5.9 M/uL	
Chloride		98-110 mmol/L		F 4.0-5.2 M/uL	
Potassium		3.6-5.3 mmol/L	HGB	M 13.5-17.5 g/dL	
Sodium		137-146 mmol/L		F 12.0-16.0 g/dL	
Anion Gap		9-19 mmol/L	HCT	M 41.0-53.0 %	
ALT	<b>LIVER</b>	M 0-40 U/L		F 36.0-46.0 %	
		F 0-31 U/L	MCV	80-100 fL	
AST		M 0-37 U/L	MCH	26.0-34.0 pg	
		F 0-31 U/L	RDWSD	35.0-51.0 fL	
Albumin		3.2-4.9 g/dL	PLT	150-400 K/uL	
Alk. Phosphatase		30-117 U/L	MPV	9.4-12.4 fL	
Bilirubin, total		0.2-1.2 mg/dL		<b>COAG</b>	
Bilirubin, direct		0-0.3 mg/dL	PT		9.4-11.4 seconds
Protein		6.5-8.4 g/dL	INR	2.0-3.0 (stable therapy)	
	<b>CARDIAC</b>		PTT	22-33 secs	
Troponin T		0.00-0.04 ng/mL	Fibrinogen	200-400 mg/dL	
Creatine Kinase-MB		0-7 ng/mL			
Pro-BNP		0-49 years: 0-450 pg/mL			
		50-74 years: 0-900 pg/mL			
		≥ 75 years: 0-1,800 pg/mL			