

# INTERNATIONAL LAB VALUES & UNITS

Test	Conventional Units (US)	SI Units (EU)
Albumin	3.5-6 g/dL	35-54 g/L
Alkaline phosphatase (ALP)	40-130 U/L	0.5-2.5 mckat/L
Alanine Aminotransferase, (ALT)	13-69 U/L	0-0.58 pkat/L
Aspartate Aminotransferase, (AST)	12-37 U/L	0-0.58 pkat/L
Ammonia	19-60 mcg/dL	23-47 mcmol/L
Amylase	0-130 U/L	0-2.17 mckat/L
Bicarbonate	22-26 mEq/L	23-28 mmol/L
Bilirubin - Direct	0-0.2 mg/dL	0-5.1 mcmol/L
Bilirubin - Total	0.1-1.2 mg/dL	5.1-20.5 mcmol/L
Blood Urea Nitrogen (BUN)	7-20 mg/dL	2.9-7.1 mmol/L
Calcium	8.4-10.2 mg/dL	2.2-2.6 mmol/L
Chloride	96-108 mEq/L	98-106 mmol/L
Cholesterol - Total	<200 mg/dL	3.88-5.15 mmol/L
Creatinine	0.7-1.4 mg/dL	61.9-115 mcmol/L
Creatine kinase (CK)	55-170 U/L	0.5-2.83 mckat/L
D-Dimer	≤ 250 ng/mL	≤ 300 mcg/L
Ferritin:		
<i>Females</i>	20-200 ng/mL	30-200 mcg/L
<i>Males</i>	20-300 ng/mL	30-300 mcg/L
Folate (folic acid)	2-20 ng/mL	5.7/45.3 nmol/L
Glucose	70-115 mg/dL	3.9-5.8 mmol/L

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Hematocrit:		
<i>Females</i>	36–46%	0.40–0.54
<i>Males</i>	41–50%	0.37–0.47
Hemoglobin:		
<i>Females</i>	12–15 g/dL	120–160 g/L
<i>Males</i>	13.5–16.5 g/dL	140–170 g/L
High-density lipoprotein (HDL)	≥ 60 mg/dL	≥ 1.04 mmol/L
Homocysteine	0.54–2.16 mg/L	4–16 mcmol/L
Iron	50–175 mcg/dL	11–29 mcmol/L
Lactate dehydrogenase (LDH)	88–230 U/L	1–1.67 mckat/L
Lactic acid, venous	0.5–2.2 mEq/L	0.67–1.8 mmol/L
Lipase	0–160 U/L	< 1.58 mckat/L
Low-density lipoprotein (LDL)	≤ 70 mg/dL	≤ 3.36 mmol/L
Magnesium	1.6–2.6 mg/dL	0.62–0.99 mmol/L
Myoglobin	5–70 ng/dL	1.4–3.5 nmol/L
Phosphorus	3.0–4.5 mg/dL	0.97–1.45 mmol/L
Platelet count	100–450 × 10 <sup>3</sup> /mcL	100–450 × 10 <sup>9</sup> /L
Potassium	3.5–5 mEq/L	3.5–5 mmol/L
Protein, total	6–8 g/dL	60–78 g/L
RBC count	4.5–5.5 × 10 <sup>6</sup> cells/mcL	4.2–5.9 × 10 <sup>12</sup> cells/L
Sodium	135–145 mEq/L	136–145 mmol/L
Triglycerides	< 150 mg/dL	< 2.82 mmol/L
Troponin I	< 0.035 ng/mL	< 0.35 mcg/L