



# Lab Values Cheat Sheet

## Basic Metabolic Panel (BMP)

- Albumin: 3.4-5.4 g/dL
- BUN: 5-20 mg/dL
- Calcium: 9-11 mg/dL
- Chloride: 95-105 mEq/L
- Creatinine: 0.6-1.2 mg/dL
- Glucose: 70-100 mg/dL
- Potassium: 3.5-5 mEq/L
- Sodium: 135-145 mEq/L
- Total protein: 6.2-8.2 g/dL

## Liver Function Test (LFT)

- ALP: 40-120 U/L
- ALT: 7-56 U/L
- AST: 10-40 U/L
- Bilirubin: 0.1-1.2 mg/dL

## Lipid Panel

- HDL: >60 mg/dL
- LDL: <100 mg/dL
- Total cholesterol: <200 mg/dL
- Triglyceride: <150 mg/dL

BMP plus LFT equals  
Comprehensive Metabolic Panel  
(CMP)

## Complete Blood Count (CBC)

- Hct:
  - Female: 37-47%
  - Male: 42-52%
- Hgb:
  - Female: 12-16 g/dL
  - Male: 14-18 g/dL
- PLT: 150,000-450,000
- RBCs: 4.5-5.5 million
- WBC: 5,000-11,000

## Renal = BMP plus:

- GFR: 90-120 mL/min/1.73m<sup>2</sup>
- Magnesium: 1.5-2.5 mg/dL
- Phosphorus: 2.5-4.5 mg/dL

## ABGs

- HCO<sub>3</sub>: 22-26 mEq/L
- PaCO<sub>2</sub>: 35-45 mmHg
- PaO<sub>2</sub>: 75-100 mmHg
- pH: 7.35-7.45
- O<sub>2</sub>: 95-100%
- Remember ROME:
  - Respiratory  
Opposite  
Metabolic  
Equal

## Pancreas

- Amylase: 30-110 U/L
- Lipase: 0-150 U/L

## HbA1c

- Non-diabetic: 4-5.6%
- Pre-diabetic: 5.7-6.4%
- Diabetic: >6.5%
- Diabetic Target: <6.5%

## COAGs

- aPTT: 30-40 seconds
- INR:
  - NOT on warfarin: <1 sec
  - ON warfarin: 2-3 sec
- PT: 10-13 seconds
- PTT: 25-35 seconds

## Vital Signs

- Blood pressure:
  - Systolic: 120 mmHg
  - Diastolic: 80 mmHg
- Heart rate: 60-100 BPM
- Oxygen: 95-100%
- Respirations: 12-20/min
- Temperature: 97-99° F

## Common Drugs

- Carbamazepine (Tegretol): 4-10 mcg/mL
- Digoxin: 0.5-2 ng/mL
- Dilantin: 10-20 mcg/mL
- Lithium: 0.5-1.2 mmol/L
- Phenobarbital: 15-40 mcg/mL
- Theophylline: 10-20 mcg/mL
- Valproic Acid (Depakote): 50-100 mcg/mL

## Other

- BMI target: 18.5-24.9
- MAP: 70-105 mmHg
- Glasgow coma scale
  - Mild: 13-15
  - Moderate: 9-12
  - Severe: 8 or less

\*Exact lab values will vary in  
different labs/facilities\*

# Basic Blood Test Cheat Sheets

**K Morrison**



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