
Lab Dept: Chemistry

Test Name: BASIC METABOLIC PROFILE

General Information

Lab Order Code: PR7

Synonyms: BMP; Profile 7; Chem 7

CPT Codes: 80048 – Basic metabolic profile

Test Includes: Sodium and Calcium, Potassium, Chloride, Total CO₂ reported in meq/L, Urea Nitrogen, Creatinine and Glucose reported in mg/dL. Anion gap is also reported.

Logistics

Test Indications: A Basic Metabolic Profile is a group of tests ordered as a screening tool for conditions affecting multiple organ systems. It provide information on the general status of the kidneys, electrolyte balance, acid/base balance and blood sugar levels.

Lab Testing Sections: Chemistry

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 4 hours or stat availability

Special Instructions: See [Collection](#)

Specimen

Specimen Type: Blood

Container: Preferred: Green top (Li Heparin) tube
Alternate: Red, marble or gold top tube

Draw Volume: 0.6 mL blood

Processed Volume: 0.2 mL plasma/serum

Collection:	Collect venous sample anaerobically or minimize exposure to air for TCO ₂ .
Special Processing:	Lab Staff: Centrifuge specimen, remove serum/plasma aliquot into plastic sample cup. Analyze sample immediately or store at refrigerated temperatures. Once the sample is opened (uncapped), the sample must be processed within 1 hour for TCO ₂ .
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens, sample submitted in incorrect tube

Interpretive

Reference Range:	See individual test listings.
Critical Values:	See individual test listings.
Limitations:	Hemolysis affects many of the basic metabolic profile tests. See individual test listings.
Methodology:	See individual test listings.
References:	See individual test listings.
Updates:	8/28/2005: No longer reporting BUN/Creat Ratio. 2/9/2016: Update alt tube type