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 C02 reported in

meg/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 <u>Collection</u>

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

**Collect venous sample anaerobically or minimize exposure to air for** 

TCO2.

**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 TCO2.

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