Lab Dept: Chemistry

Test Name: COMPREHENSIVE METABOLIC PANEL

General Information

Lab Order Codes: PR12
Synonyms: CMP; SMA12
CPT Codes: 80053 – Comprehensive metabolic panel

Test Includes: Albumin in g/dL; Bilirubin, Total in mg/dL; Calcium in mg/dL; Carbon Dioxide in meq/L; Chloride in mEq/L; Creatinine in mg/dL; Glucose in mg/dL; Phophatase, Alkaline in U/L; Potassium in mEq/L; Protein, Total on g/dL; Sodium in mEq/L; Transferase, alanine amino(ALT/SGPT) in U/L; Transferase, aspartate amino (AST/SGOT) in U/L; Urea Nitrogen (BUN) in mg/dL; Anion Gap. See individual test listings for more specific information.

Logistics

Test Indications: The Comprehensive Metabolic Panel may be used as a broad screening tool for diabetes, liver disease and kidney disease.

Lab Testing Sections: Chemistry

Phone Numbers:
MIN Lab: 612-813-6280
STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 hour

Special Instructions: Avoid prolonged contact with red cells. See Collection.

Specimen

Specimen Type: Blood

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

Draw Volume: 2.7 ml (Minimum: 1.5 mL) blood

Note: A completely filled 3 mL vacutainer is the preferred specimen.
**Processed Volume:** 0.35 mL plasma/serum

**Collection:** Collect sample anaerobically or minimize exposure to air for TCO2.

**Special Processing:** Lab Staff: Centrifuge specimen, remove serum/plasma aliquot into plastic sample cup. Analyze within 2 hours, or protect from light. 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

**Interpretive**

**Reference Range:** See individual test listing

**Critical Values:** See individual test listing

**Limitations:** N/A

**Methodology:** See individual test listing

**References:** See individual test listing

**Update:**
- 2/9/2016: Update alt tube type
- 9/13/2016: Protect from light update, specimen storage.