### Lab Dept: Chemistry

### Test Name: COMPREHENSIVE METABOLIC PANEL

#### General Information

<table>
<thead>
<tr>
<th>Lab Order Codes:</th>
<th>PR12</th>
</tr>
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<tbody>
<tr>
<td>Synonyms:</td>
<td>CMP; SMA12</td>
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<tr>
<td>CPT Codes:</td>
<td>80053 – Comprehensive metabolic panel</td>
</tr>
</tbody>
</table>

**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
- Phosphatase, Alkaline in U/L
- Potassium in mEq/L
- Protein, Total in 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

<table>
<thead>
<tr>
<th>Test Indications:</th>
<th>The Comprehensive Metabolic Panel may be used as a broad screening tool for diabetes, liver disease and kidney disease.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab Testing Sections:</td>
<td>Chemistry</td>
</tr>
</tbody>
</table>
| 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

<table>
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<tr>
<th>Specimen Type:</th>
<th>Blood</th>
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</table>
| 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

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