

Comprehensive Metabolic Panel

CPT Code: 80053

Order Code: C901

Includes: Sodium, Potassium, Chloride, Carbon Dioxide, Glucose, BUN, Creatinine, Calcium, Estimated Glomerular Filtration Rate, Albumin, Total Protein, Alkaline Phosphatase, Alanine Aminotransferase, Aspartate Aminotransferase, Total Bilirubin, and Globulin.

ABN Requirement: No

Synonyms: CMP

Specimen: Serum

Volume: 1.0 mL

Minimum Volume: 0.5 mL

Container: Gel-barrier tube (SST, Tiger Top)

Collection:

1. Collect and label sample according to standard protocols.
2. Gently invert tube 5 times immediately after draw. DO NOT SHAKE.
3. Allow blood to clot 30 minutes.
4. Centrifuge for 10 minutes.

Transport: Store serum at 2°C to 8°C after collection and ship the same day per packaging instructions provided with the Cleveland HeartLab shipping box.

Stability:

Ambient (15-25°C): Not Acceptable

Refrigerated (2-8°C): 7 days

Frozen (-20°C): Not Acceptable

Deep Frozen (-70°C): Not Acceptable

Causes for Rejection: Specimens other than serum; improper labeling; samples not stored properly; samples older than stability limits

Methodology: Ion Selective Electrode (ISE), Photometric, Enzymatic, and Colorimetric methodologies. Refer to individual test for methodology used.

Turn Around Time: 1 to 3 days

Intended Use: The Comprehensive Metabolic Panel (CMP) is used to broadly evaluate organ function and check for health conditions such as diabetes, liver disease, and kidney disease. The CMP may also be used to monitor a known condition, such as hypertension, or to monitor side effects of prescribed medications.

Limitations: Hemolytic or lipemic samples may produce false results. Refer to individual tests for preanalytical issues that may contribute to false test results. Acetaminophen use can falsely decrease test results.

Additional Information: Some medications may produce false results. Refer to individual tests for medications that may increase or decrease test results.

Refer to individual test for appropriate sample handling and testing information.

The CPT codes provided are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed.