
Lab Dept: Chemistry

Test Name: **COMPREHENSIVE METABOLIC + RENAL + LIVER PANELS**

General Information

Lab Order Codes: P12LR

Synonyms: PR12; LVP, RENP

CPT Codes: 80053 – Comprehensive metabolic panel
84100 – Phosphorus
81148 – Bilirubin, Direct

Test Includes: Combined panels: Albumin, Alkaline Phosphatase, ALT, Anion Gap, AST, BUN, Calcium, Chloride, Creatinine, Direct Bilirubin, Glucose, Phosphorus, Potassium, Sodium, Total Bilirubin, Total CO₂, Total Protein, Total Bilirubin.

Note: Testing overlaps between these two standard panels and the combination panel avoids duplication in testing.

Logistics

Test indications: 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, marle 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 listings

Critical Values: See individual test listings

Limitations: See individual test listings

Methodology: See individual test listings

References: See individual test listings