
Lab Dept: Chemistry

Test Name: COMPREHENSIVE METABOLIC + LIVER PANELS

General Information

Lab Order Codes: PR12L

Synonyms: PR12; LIVP

CPT Codes: 80053 – Comprehensive metabolic panel
82248 – Direct bilirubin

Test Includes: Combined panels: Albumin, Alkaline Phosphatase, ALT, Anion Gap, AST, BUN, Calcium, Chloride, Creatinine, Direct Bilirubin, Glucose, 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, 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 TCO ₂ .
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 TCO ₂ .
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