
Lab Dept: Chemistry

Test Name: BASIC METABOLIC + RENAL PANELS

General Information

Lab Order Codes: PR7R

Synonyms: PR7; RENP

CPT Codes: 80048 – Basic metabolic panel
82040 – Albumin
84100 – Phosphorus

Test Includes: Combined panels: Albumin, Anion Gap, BUN, Calcium, Chloride, Creatinine, Glucose, Phosphorus, Potassium, Sodium, Total CO₂.

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

Logistics

Test indications: A screening tool for conditions affecting multiple organ systems. It provides information on the general status of the kidneys, electrolyte balance, acid/base balance and blood sugar levels.

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