

## BASIC METABOLIC PANEL

CPT 80048

### Specimen Requirements

Serum

Stability: 3 days at 15-25 °C; 7 days at 2-8 °C; > 7 days at -70 °C

### Methodology

Colorimetric Assay, Rate reaction, ISE

### Other Information

Components: BUN, Calcium, Chloride, CO<sub>2</sub>, Creatinine, Glucose, Potassium, Sodium

## COMPREHENSIVE METABOLIC PANEL

CPT 80053

### Specimen Requirements

Serum

Stability: 3 days at 15-25 °C; 7 days at 2-8 °C; > 7 days at -70 °C

### Methodology

Colorimetric Assay, Rate reaction, ISE

### Other Information

Components: Albumin, Alkaline Phosphatase, ALT(SGPT), AST(SGOT), Bilirubin Total, BUN, Calcium, Chloride, CO<sub>2</sub>, Creatinine, Glucose, Potassium, Sodium

## ELECTROLYTE PANEL

CPT 80051

### Specimen Requirements

Serum (free from hemolysis)

Stability: 7 days 15-25 °C; 7 days 2-8 °C; stable (-15)-(-25) °C

### Methodology

ISE Indirect

### Other Information

Components: Chloride, CO<sub>2</sub>, Potassium, Sodium

## HEPATIC FUNCTION PANEL

CPT 80076

### Specimen Requirements

Serum

Stability: 1 day at 15-25 °C; 7 days at 2-8 °C; 6 months at (-15)-(-25) °C

### Methodology

Colorimetric assay

### Other Information

Components: Albumin, Alkaline Phos, ALT, AST, Bilirubin Direct, Bilirubin Total, Protein Total

## LIPID PANEL

CPT 80061

### Specimen Requirements

Serum

Stability: 7 days at 2-8°C; 30 days at -70°C

### Methodology

Enzymatic colorimetric

### Other Information

Components: Cholesterol, Triglycerides, HDL, LDL, LDL/HDL Ratio

## RENAL FUNCTION PANEL

CPT 80069

### Specimen Requirements

Serum

Stability: 7 days at 15-25 °C; 7 days at 2-8 °C; 3 months at (-15)-(-25) °C

### Methodology

Colorimetric assay

### Other Information

Components: Albumin, BUN, Calcium, Chloride, CO<sub>2</sub>, Creatinine, Glucose, Phosphorous, Potassium, Sodium

## ALBUMIN

CPT 82040

### Specimen Requirements

Serum

Stability: 2.5 months at 15-25 °C; 5 months at 2-8 °C; 4 months at -20 °C

### Methodology

Colorimetric assay

### Other Information

## ALP (Alkaline Phos)

CPT 84075

### Specimen Requirements

Serum

Stability: 7 days at 15-25°C; 7 days at 2-8°C; 2 months at (-15)-(-25)°C

### Methodology

Colorimetric assay

### Other Information

## ALT (Alanine Aminotransferase)

CPT 84460

### Specimen Requirements

Serum

Stability: 3 days at 15-25 °C; 7 days at 2-8 °C; > 7 days at -70 °C

### Methodology

Rate reaction

### Other Information

## AMMONIA

CPT 82140

### Specimen Requirements

EDTA Plasma

Stability: 20 to 30 minutes of venipuncture

### Methodology

Enzymatic

### Other Information:

Do not use plasma prepared with other anticoagulants. Do not use serum since ammonia can be generated during clotting. Collect blood from stasis-free vein of fasting patient. Smoking should be avoided prior to sampling. Tubes should be filled completely and kept tightly stoppered at all times. Place immediately on ice and centrifuge, preferably at 4 °C.

## AMYLASE

CPT 82150

### Specimen Requirements

Serum

Stability: 7 days at 15-25 °C; 1 month at 2-8 °C

### Methodology

Enzymatic colorimetric assay

### Other Information

## AST

CPT 84450

### Specimen Requirements

Serum (free from hemolysis)

Stability: 1 day at 15-25 °C; 7 days at 2-8 °C

### Methodology

Rate reaction

### Other Information

## B12 (VITAMIN B12)

CPT 82607

### Specimen Requirements

Serum (fasting)

Stability: Stable for 2 days at 2-8 °C, 2 months at -20 °C.

### Methodology

Electrochemiluminescence immunoassay

### Other Information

Freeze once only. Protect from light.

## BILIRUBIN DIRECT

CPT 82248

### Specimen Requirements

Serum (free from hemolysis and lipemia)

Stability: 2 days at 15-25 °C; 7 days at 2-8 °C; 6 months at (-15)-(-25) °C

### Methodology

Colorimetric assay

### Other Information

## BILIRUBIN TOTAL

CPT 82247

### Specimen Requirements

Serum

Stability: 1 day at 15-25 °C; 7 days at 2-8 °C; 6 months at (-15)-(-25) °C

### Methodology

Colorimetric assay

### Other Information

## BUN

CPT 84520

### Specimen Requirements

Serum

Stability: 7 days at 15-25 °C; 7 days at 2-8 °C; 1 year at (-15)-(-25) °C

### Methodology

Rate reaction

### Other Information

## C-REACTIVE PROTEIN hs

CPT 86141

### Specimen Requirements

Serum

Stability: 11 days at 15-25 °C; 2 months at 2-8 °C; 3 years at (-15)-(-25) °C

### Methodology

Turbidimetric assay

### Other Information

## CALCIUM

CPT 82310

### Specimen Requirements

Serum - Fresh serum collected in the fasting state

Stability: 7 days at 15-25 °C; 3 weeks at 2-8 °C; 8 months at (-15)-(-25) °C

### Methodology

Colorimetric

### Other Information

## CBC W/AUTO DIFF

CPT 85025

### Specimen Requirements

EDTA-Whole blood

Stability: 24 hours at RT; 36 hours at 4°C

### Methodology

Automated cell counter

### Other Information

Tests include: WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, RDW, Neutrophils, Lymphocytes, Monocytes, Eosinophils, Basophils, Neutrophils (%), Lymphocytes (%), Monocytes (%), Eosinophils (%), Basophils (%).

## CBC W/RETIC

CPT 85025; 85045

### Specimen Requirements

EDTA-Whole blood

Stability: 24 hours at RT; 36 hours at 4°C

### Methodology

Automated cell counter

### Other Information

Tests include: WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, RDW, Neutrophils, Lymphocytes, Monocytes, Eosinophils, Basophils, Neutrophils (%), Lymphocytes (%), Monocytes (%), Eosinophils (%), Basophils (%), Reticulocytes (%).

## CEA

CPT 82378

### Specimen Requirements

Serum

Stability: 7 days at 2-8 °C, 6 months at -20 °C.

### Methodology

Electrochemiluminescence immunoassay

### Other Information

## CHLORIDE

CPT 82435

### Specimen Requirements

Serum (free from hemolysis)

Stability: 7 days 15-25 °C; 7 days 2-8 °C; stable (-15)-(-25) °C

### Methodology

ISE Indirect

### Other Information

Samples should be separated from the clot or cells promptly after collection. Grossly lipemic specimens should be cleared by ultracentrifugation or ultrafiltration.

## CHOLESTEROL

CPT 82465

### Specimen Requirements

Serum

Stability: 7 days at 15-25 °C; 7 days at 2-8 °C; 3 months at (-15)-(-25) °C

### Methodology

Enzymatic, colorimetric method

### Other Information

## CO<sub>2</sub> (Bicarbonate)

CPT 82374

### Specimen Requirements

Serum

Stability: Several days at 2-8 °C when separated from erythrocytes and stored tightly stoppered.

### Methodology

Colorimetric assay

### Other Information

## CORTISOL

CPT 82533

### Specimen Requirements

Serum

Stability: 5 days at 2-8 °C, 3 months at -20 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

Freeze once only.

## CPK

CPT 82550

### Specimen Requirements

Serum (free from hemolysis)

Stability: 2 days at 15-25 °C; 7 days at 2-8 °C; 4 weeks at (-15)-(-25) °C

### Methodology

Rate reaction

### Other Information

## CREATININE

CPT 82565

### Specimen Requirements

Serum (free from lipemia)

Stability: 7 days at 15-25 °C; 7 days at 2-8 °C; 3 months at (-15)-(-25) °C

### Methodology

Colorimetric assay

### Other Information

## DIGOXIN

CPT 80162

### Specimen Requirements

Serum

Stability: 2 days at 2-8 °C, 6 months at -20 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

Freeze once only.

## ESTRADIOL

CPT 82670

### Specimen Requirements

Serum

Stability: 2 days at 2-8 °C, 6 months at -20 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

Freeze once only.

## FERRITIN

CPT 82728

### Specimen Requirements

Serum

Stability: 7 days at 2-8 °C, 12 months at -20 °C.

### Methodology

Electrochemiluminescence immunoassay

### Other Information

## FOB (Fecal Occult Blood) Hemosure

CPT 82274QW

### Specimen Requirements

Fecal Collection Tube

Stability: 14 hours at 20-25 °C, 6 months at 2-8 °C, 1 year -20 °C

### Methodology

Sandwich dye immunoassay

### Other Information

A specimen should not be collected from a patient with the following conditions that may interfere with test results: Menstrual bleeding, Bleeding hemorrhoids, Constipation bleeding, Urinary bleeding.

## FOLATE

CPT 82746

### Specimen Requirements

Serum (free from hemolysis)

Stability: 2 hours at 20-25 °C, 2 days at 2-8 °C, 1 month at -20 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

Freeze only once. Protect from light. Store the samples at 2-8 °C if they cannot be measured immediately.

## FREE PSA

CPT 84153; 84154

### Specimen Requirements

Serum

Stability: 5 days at 2-8 °C, 3 months at -20 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

Freeze only once.

## FREE T3

CPT 84481

### Specimen Requirements

Serum

Stability: 7 days at 2-8 °C, 30 days at -20 °C; Stability of serum obtained with tubes containing separating gel: 48 hours at 2-8 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

## FREE T4

CPT 84439

### Specimen Requirements

Serum

Stability: 7 days at 2-8 °C, 30 days at -20 °C; Stability of serum obtained with tubes containing separating gel: 48 hours at 2-8 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

## FSH

CPT 83001

### Specimen Requirements

Serum

Stability: 14 days at 2-8 °C, 6 months at -20 °C. ; Stability of serum obtained with separating tubes: 48 hours at 2-8 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

## GGT

CPT 82977

### Specimen Requirements

Serum

Stability: 7 days at 15-25 °C; 7 days at 2-8 °C; 1 year at (-15)-(-25) °C

### Methodology

Enzymatic colorimetric assay

### Other Information

## GLUCOSE

CPT 82947

### Specimen Requirements

Serum

Stability: 8 hours at 15-25 °C; 72 hours at 2-8 °C; 3 days at 15-25 °C

### Methodology

Enzymatic

### Other Information

## HCG-BETA

CPT 84702

### Specimen Requirements

Serum

Stability: 3 days at 2-8 °C, 12 months at -20 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

Freeze only once



## HCG-QUAL

CPT 84703

### Specimen Requirements

Urine or Serum

Stability: 8 hours at 15-30 °C, 2 - 8 °C for up to 3 days

### Methodology

Instant-View Pregnancy Combo Cassette Test

### Other Information

## HDL

CPT 83718

### Specimen Requirements

Serum

Stability: 7 days at 2-8°C; 30 days at -70°C

### Methodology

Enzymatic colorimetric assay

### Other Information

## H. pylori

CPT 86677

### Specimen Requirements

Serum

Stability: 3 days (72hrs) at 2-8°C,

### Methodology

QuickVue H.pylori gII

### Other Information

## HGB & HCT

CPT 85018; 85014

EDTA-Whole blood

Stability: 24 hours at RT; 36 hours at 4°C

### Methodology

Automated cell counter

### Other Information

## HgB A1C

CPT 83036

### Specimen Requirements

Whole blood - EDTA

Stability: 3 days at 15-25 °C; 7 days at 2-8 °C; 6 months at (-15)-(-25) °C

### Methodology

Turbidimetric inhibition

### Other Information

## IRON

CPT 83540

### Specimen Requirements

Serum (free from hemolysis)

Stability: 7 days at 15-25 °C; 3 weeks at 2-8 °C; several years at (-15)-(-25) °C

### Methodology

FerroZine

### Other Information

## LDH

CPT 83615

### Specimen Requirements

Serum (free from hemolysis)

Stability: 7 days at 15-25 °C; 4 days at 2-8 °C; 6 weeks at -20 °C

### Methodology

UV-assay

### Other Information

## LDL

CPT 83721

### Specimen Requirements

Serum

Stability: 7 days at 2-8 °C; 30 days at -70 °C

### Methodology

Enzymatic colorimetric assay

### Other Information

## LH

CPT 83002

### Specimen Requirements

Serum

Stability: 14 days at 2-8 °C, 6 months at -20 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

Freeze only once

## LIPASE

CPT 83690

### Specimen Requirements

Serum (fresh serum in specimen of choice)

Stability: 1 week at 15-25 °C; 1 week at 2-8 °C; 1 year at (-15)-(-25) °C

### Methodology

Enzymatic colorimetric test

### Other Information

## MAGNESIUM

CPT 83735

### Specimen Requirements

Serum

Stability: 3 days at 2-8 °C; Prolonged storage -20 °C

### Methodology

ASI Color Mono II Test

### Other Information

## MONO

CPT 86308

### Specimen Requirements

Serum

Stability: 7 days at 15-25 °C; 7 days at 2-8 °C; 1 year at (-15)-(-25) °C

### Methodology

Colorimetric

### Other Information

## PARATHYROID HORMONE

CPT 83970

### Specimen Requirements

Serum

Stability: 8 hours at 15-25 °C, 2 days at 2-8 °C, 6 months at -20 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

## PARTIAL THROMBOPLASTIN TIME (PTT)

CPT 85730

### Specimen Requirements

Sodium citrated anticoagulated blood. If multiple specimens are collected, the coagulation sample should be the first or second tube collected.

Stability: 4 hours at RT; 2 weeks at -20°C; long term storage at -70 °C.

### Methodology

Clot detection

### Other Information

## PHOSPHOROUS

CPT 84100

### Specimen Requirements

Serum

Stability: 24 hours at 15-25 °C; 4 days at 2-8 °C; 1 year at (-15)-(-25) °C

### Methodology

Colorimetric

### Other Information

## POTASSIUM

CPT 84132

### Specimen Requirements

Serum (free from hemolysis)

Stability: 14 days at 15-25 °C; 14 days at 2-8 °C; stable (-15)-(-25) °C

### Methodology

ISE Indirect

### Other Information

Samples should be separated from the clot or cells promptly after collection. Grossly lipemic specimens should be cleared by ultracentrifugation or ultrafiltration.

## PREALBUMIN

CPT 84134

### Specimen Requirements

Serum

Stability: 3 days at 2-8°C; 6 months at (-15)-(-25)°C; indefinitely at -70°C

### Methodology

Immunoturbidimetric assay

### Other Information

## PRO BNP

CPT 83880

### Specimen Requirements

Serum

Stability: 3 days at 20-25 °C, 6 days at 2-8 °C, 24 months at -20 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

## PROGESTERONE

CPT 84144

### Specimen Requirements

Serum

Stability: 5 days at 2-8 °C, 6 months at -20 °C; Stability of serum obtained with separating tubes: 48 hours at 2-8 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

Freeze only once.

## PROTEIN (TOTAL)

CPT 84155

### Specimen Requirements

Serum

Stability: 1 month at 2-8 °C; 6 months at (-15)-(-25) °C

### Methodology

Colorimetric assay

### Other Information

## PROTIME (PT)

CPT 85610

### Specimen Requirements

Sodium citrated anticoagulated blood. If multiple specimens are collected, the coagulation sample should be the first or second tube collected.

Stability: 24 hours at RT; 36 hours at 4°C; 2 weeks at -20°C; long term storage at -70 °C.

### Methodology

Clot detection

### Other Information

## PSA (FREE)

CPT 84153; 84154

### Specimen Requirements

Serum

Stability: 5 days at 2-8 °C, 3 months at -20 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

Freeze only once.

## PSA (TOTAL)

CPT 84153; 84154

### Specimen Requirements

Serum

Stability: 5 days at 2-8 °C, 6 months at -20 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

Freeze only once.

## RETICULOCYTES

CPT 85045

### Specimen Requirements

EDTA-Whole blood

Stability: 24 hours at RT; 36 hours at 4°C

### Methodology

Automated cell counter

### Other Information

## SEDIMENTATION RATE, WESTERGREN (ESR)

CPT 85651

### Specimen Requirements

EDTA anticoagulated whole blood

Stability: 4 hours at RT; 24 hours at 4°C; do not freeze

### Methodology

Visual

### Other Information

## SHBG (FREE TESTOSTERONE)

CPT 84270

### Specimen Requirements

Serum

Stability: 3 days at 2-8 °C, 1 month at -20 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

Freeze only once.

## SODIUM

CPT 84295

### Specimen Requirements

Serum (free from hemolysis)

Stability: 14 days at 15-25 °C; 14 days at 2-8 °C; stable (-15)-(-25) °C

### Methodology

ISE Indirect

### Other Information

Samples should be separated from the clot or cells promptly after collection. Grossly lipemic specimens should be cleared by ultracentrifugation or ultrafiltration.

## TESTOSTERONE

CPT 84403

### Specimen Requirements

Serum

Stability: 1 week at 2-8 °C, 6 months at -20 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

Freeze only once.

## THYROXINE T4

CPT 84436

### Specimen Requirements

Serum

Stability: 7 days at 2-8 °C, 1 month at -20 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

Freeze only once.

## TOTAL PROTEIN

CPT 84155

### Specimen Requirements

Serum

Stability: 1 month at 2-8 °C; 6 months at (-15)-(-25) °C

### Methodology

Colorimetric assay

### Other Information

## TOTAL PSA

CPT 84153; 84154

### Specimen Requirements

Serum

Stability: 5 days at 2-8 °C, 6 months at -20 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

Freeze only once.

## TRIODOTHYRONINE - T3

CPT 84480

### Specimen Requirements

Serum

Stability: 7 days at 2-8 °C, 1 month at -20 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

Freeze only once.

## TRIGLYCERIDES

CPT 84478

### Specimen Requirements

Serum

Stability: 5-7 days at 2-8 °C; 3 months at (-15)-(-25) °C; several years at (-60)-(-80) °C

### Methodology

Enzymatic colorimetric test

### Other Information

## TROPONIN T

CPT 84484

### Specimen Requirements

Serum

Stability: Stable for 24 hours at 2-8 °C, 12 months at -20 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

Freeze only once.

## TSH

CPT 84443

### Specimen Requirements

Serum

Stability: 7 days at 2-8 °C, 1 month at -20 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information

Freeze only once.

## UIBC

CPT 83550

### Specimen Requirements

Serum (free from hemolysis and lipemia)

Stability: 4 days at 15-25 °C; 7 days at 2-8 °C

### Methodology

FerroZine

### Other Information

## URIC ACID

CPT 84550

### Specimen Requirements

Serum

Stability: 5 days at 2-8 °C; 6 months at (-15)-(-25) °C

### Methodology

Enzymatic colorimetric test

### Other Information

## URINALYSIS

CPT 81001

### Specimen Requirements

Fresh urine. A first morning specimen is preferred but random collections are acceptable.

Stability: 2 hours at room temp; If testing is delayed (>2 hour after collection), specimen should be refrigerated (2 to 8°C) for preservation.

### Methodology

Dip Stick and Microscopic Exam

### Other Information

Tests include: Color, Clarity, Glucose, Bilirubin, Ketone, Specific Gravity, Occult Blood, pH, Protein, Urobilinogen, Nitrate, Leukocytes, Hyaline Casts, WBC, RBC, Crystals, Amorphous Phosphates, Epithelial Cells, Bacteria, and Mucus.

## URINE MICROSCOPIC

CPT 81005

### Specimen Requirements

Fresh urine. A first morning specimen is preferred but random collections are acceptable.

Stability: 2 hours at room temp; If testing is delayed (>2 hour after collection), specimen should be refrigerated (2 to 8°C) for preservation.

### Methodology

Microscopic procedure

### Other Information

## VITAMIN D

CPT 82306

### Specimen Requirements

Serum

Stability: 8 hours at 18-25 °C, 4 days at 2-8 °C, 24 weeks at -20 °C

### Methodology

Electrochemiluminescence immunoassay

### Other Information