

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, CO₂, 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, CO₂, 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, CO₂, 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, CO₂, 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

CO₂ (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

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

Sedimat 15

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