CHEMISTRY

SODIUM (Na)
POTASSIUM (K) *
CHLORIDE (Cl)
CO2
GLUCOSE (Glu) *
CREATININE (Creat) *
BUN *
AST *
ALT *
ALKALINE PHOSPHATASE (ALK) *
TOTAL PROTEIN (TP) *
ALBUMIN (Alb) *
CALCIUM (Ca) *
TOTAL BILIRUBIN (TBILI) *
CHOLESTEROL (Chol)
TRIGLYCERIDE (Trig) *
HDL
URIC ACID *
AMYLASE *
GGT *
LIPASE *
MAGNESIUM *

CMP: NA, K, CL, CO2, GLU, CREAT, BUN, AST, ALT, ALK, TP, ALB, CA, TBILI
BMP: NA, K, CL, CO2, GLU, CREAT, BUN, CA
ELECTROLYTES: NA, K, CL, CO2
LIPID PROFILE: CHOL, TRIG, HDL AND CALCULATED LDL

LIVER FUNCTION TESTS WITHOUT DIRECT BILIRUBIN (LFT): ALB, TBILI, ALK, TP, ALT, AST

SPECIAL CHEMISTRY

THYROID STIMULATING HORMONE (TSH)
FREE T4 (FT4)
PROSTATE SPECIFIC ANTIGEN (PSA) (SCREEN)
PROSTATE SPECIFIC ANTIGEN (PSA) (DIAGNOSTIC)

HEMATOLOGY

CBC/3 PART AUTOMATED DIFFERENTIAL
CBC W/O AUTOMATED DIFFERENTIAL
HEMOGLOBIN (HBG) & HEMATOCRIT (HCT) (H & H)
HEMOGLOBIN (HBG) *
HEMOCRIT (HCT) *
MANUAL DIFFERENTIAL
ERYTHROCYTE SEDIMENTATION RATE (ESR)

COAGULATION

PROTIME/INR (COAGCHEK)

URINALYSIS

UA DIPSTICK ONLY
UA DIPSTICK WITH REFLEX TO CULTURE
UA DIPSTICK WITH REFLEX TO MICRO
UA DIPSTICK WITH REFLEX TO MICRO & REFLEX TO CULTURE
UA WITH MICRO
URINE PREGNANCY

SHORTNESS OF BREATH (SOB)/CARDIAC PANEL
NT-PRO-BNP
CARDIAC ENZYMES (MYOGLOBIN, CKMB, TROPONIN I)
D-DIMER

MISCELLANEOUS

RAPID STREP SCREEN WITH REFLEX TO CULTURE
RAPID INFLUENZA (A & B)
RAPID RSV
MONO TEST
HGBA1C
CULTURES: THROAT (STREP ONLY)
STOOL OCCULT BLOOD SCREEN
STOOL OCCULT BLOOD DIAGNOSTIC
WET PREP
RAPID URINE DRUG SCREEN - 9 DRUGS
RAPID H. PYLORI
GLUCOMETER

* CAN BE RUN ON AN INDIVIDUAL BASIS

SST = 7.5 ml Tiger top (orange/black); OR 5ml (red/yellow)
Let the specimen clot for 30 min., then spin for 10 min.
Mark aliquot tube as SERUM

PST = 8.0 ml Camouflaged (green/black) OR 5 ml (green/yellow)
Spin for 10 min.
Mark aliquot tube as PLASMA
ALBUMIN (routine/stat)

Methodology: Spectrophotometry/Optically

Performed: Mon-Fri/Sun-Sat

Reported: Routine or Stat

Collect: One 5 ml or 8.5 ml SST or PST/4 ml green top (lithium heparin)

Storage/Transport Temperature: Serum/plasma @ 2-8 degrees C/Whole blood green top (lithium heparin) @ RT

Unacceptable Condition: Contaminated or hemolyzed specimens

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing/Whole blood should be run w/i 60 minutes or spun, separated and stored @ 2-8 degrees C

Stability (from collection to initiation): After serum/plasma separation from cells: Refrigerated: 72 hrs.; Frozen: 6 months

CPT Codes: 82040

ALP (ALKALINE PHOSPHATASE)

Methodology: Spectrophotometry/Optically

Performed: Mon-Fri/Sun-Sat

Reported: Routine or Stat

Collect: One 5 ml or 8.5 ml SST or PST/4 ml green top (lithium heparin)

Storage/Transport Temperature: Serum/plasma @ 2-8 degrees C/Whole blood green top (lithium heparin) @ RT

Unacceptable Condition: Grossly hemolyzed specimens. Specimens collected in EDTA or sodium fluoride/potassium oxalate or citrated anticoagulant.

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing/Whole blood should be run w/i 60 minutes or spun, separated and stored @ 2-8 degrees C
Stability (from collection to initiation): After serum/plasma separation from cells: Refrigerated: 7 days; Frozen: 2 months

CPT Codes: 84075

ALT (ALANINE AMINOTRANSFERASE)

Methodology: Spectrophotometry/Optically

Performed: Mon-Fri/Sun-Sat

Reported: Routine or Stat

**Collect:** One 5 ml or 8.5 ml SST or PST/4 ml green top (lithium heparin)

Storage/Transport Temperature: Serum/plasma @ 2-8 degrees C/Whole blood green top (lithium heparin) @ RT

Unacceptable Condition: Hemolyzed specimens. Specimens showing indication of bacterial contamination. Sodium fluoride/potassium oxalate should not be used as an anticoagulant.

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing/Whole blood should be run w/i 60 minutes or spun, separated and stored @ 2-8 degrees C

Stability (from collection to initiation): After serum/plasma separation from cells: Refrigerated: 7 days; Frozen: 1 week

CPT Codes: 84460

AMYLASE

Methodology: Spectrophotometry/Optically

Performed: Mon-Fri/Sun-Sat

Reported: Routine or Stat

**Collect:** One 5 ml or 8.5 ml SST or PST/4 ml green top (lithium heparin)

Storage/Transport Temperature: Serum/plasma @ 2-8 degrees C/Whole blood green top (lithium heparin) @ RT
Unacceptable Condition: Hemolyzed specimens. Specimens containing calcium chelating anticoagulants such as oxalates, citrates and EDTA.

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing/Whole blood should be run w/i 60 minutes or spun, separated and stored @ 2-8 degrees C

Stability (from collection to initiation): After serum/plasma separation from cells: Ambient: 1 week; Refrigerated: 30 days; Whole blood: Ambient: 1 hour

CPT Codes: 82150

**AST (ASPARTATE AMINOTRANSFERASE)**

Methodology: Spectrophotometry/Optically

Performed: Mon-Fri/Sun-Sat

Reported: Routine or Stat

Collect: One 5 ml or 8.5 ml SST or PST/4 ml green top (lithium heparin)

Storage/Transport Temperature: Serum/plasma @ 2-8 degrees C/Whole blood green top (lithium heparin) @ RT

Unacceptable Condition: Specimens containing sodium fluoride/potassium oxalate, EDTA, and citrate as anticoagulants, hemolyzed, or specimens containing cellular material.

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing/Whole blood should be run w/i 60 minutes or spun, separated and stored @ 2-8 degrees C

Stability (from collection to initiation): After serum/plasma separation from cells: Refrigerated: 28 days; Frozen: 1 year

CPT Codes: 84450

**NT-proBNP (N-TERMINAL PRO-BRAIN NATRIURETIC PEPTIDE)**

Methodology: Two-Site Sandwich Assay based upon solid phase Radial Partition Immunoassay (RPIA)
Performed: Sun-Sat

Reported: Routine or Stat

**Collect: One 4 mL green top (Lithium Heparin or Sodium Heparin)**

Storage/Transport Temperature: Whole blood @ room temperature or chilled. Must be run w/i 2 hrs.

Unacceptable Condition: Serum is unacceptable. Severely hemolyzed specimens are unacceptable.

Remarks: Must be tested within 2 hours. If testing cannot be completed within 24 hours, the plasma should be separated and stored @ -20C until it can be tested.

Stability (from collection to initiation): Ambient whole blood: 2 hrs.; Ambient plasma: 3 days; Refrigerated plasma: 3 days; Frozen plasma: 12 months

CPT Codes: 83880

**BMP (BASIC METABOLIC PANEL): NA, K, CL, CO2, GLU, CREAT, BUN, CA**

Methodology: Spectrophotometry/Optically

Performed: Mon-Fri/Sun-Sat

Reported: Routine or Stat

**Collect: One 5 ml or 8.5 ml SST or PST/4 ml green top (lithium heparin)**

Storage/Transport Temperature: Serum/plasma @ 2-8 degrees C/Whole blood green top (lithium heparin) @ RT

Unacceptable Condition: Specimens collected in EDTA, citrate, or oxalate anticoagulated

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing/whole blood should be run w/i 60 minutes or spun, separated and stored @ 2-8 degrees C

Stability (from collection to initiation): Refrigerated: 72 hours; Frozen: 2 weeks (CO2)
BUN (BLOOD UREA NITROGEN)

Methodology: Spectrophotometry/Optically

Performed: Mon-Fri/Sun-Sat

Reported: Routine or Stat

Collect: One 5 ml or 8.5 ml SST or PST/4 ml green top (lithium heparin)

Storage/Transport Temperature: Serum/plasma @ 2-8 degrees C/Whole blood green top (lithium heparin) @ RT

Unacceptable Condition: Anticoagulants containing fluoride should be avoided.

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing/Whole blood should be run w/i 60 minutes or spun, separated and stored @ 2-8 degrees C

Stability (from collection to initiation): After serum/plasma separation from cells: Refrigerated: 7 days; Frozen: 1 year

CPT Codes: 80048

CALCIUM

Methodology: Spectrophotometry/Optically

Performed: Mon-Fri/Sun-Sat

Reported: Routine or Stat

Collect: One 5 ml or 8.5 ml SST or PST/4 ml green top (lithium heparin)

Storage/Transport Temperature: Serum/plasma @ 2-8 degrees C/Whole blood green top (lithium heparin) @ RT

Unacceptable Condition: Blood collection tubes MUST be free of calcium. Specimens showing indication of hemolysis or bacterial contamination should not be analyzed.
Remarks: Patient should be fasting overnight prior to collection. Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing/Whole blood should be run w/i 60 minutes or spun, separated and stored @ 2-8 degrees C

Stability (from collection to initiation): After serum/plasma separation from cells: Ambient: 7 days; Refrigerated: 3 weeks; Frozen: 8 months

CPT Codes: 82310

CARDIAC ENZYMES (MYOGLOBIN, CKMB, TROPONIN I)

Methodology: Two-Site Sandwich Assay based upon solid phase Radial Partition Immunoassay (RPIA)

Performed: Sun-Sat

Reported: Routine or Stat

Collect: One 4ml green top (Lithium Heparin or Sodium Heparin)

Storage/Transport Temperature: Test specimens immediately or within 2 hrs. of collection. If testing cannot be completed within 2 hrs., separate & freeze heparinized plasma @ -20 or colder for longer storage. Transport specimens at room temperature or chilled and avoid extreme temperatures.

Unacceptable Condition: Avoid using severely hemolysed specimens; do not use blood specimens that have clotted. Serum is unacceptable.

Remarks: Must be tested within 2 hours. If testing cannot be completed within 24 hours, the plasma should be separated and stored @ -20C until it can be tested.

Stability (from collection to initiation): Ambient whole blood: 2 hrs.; Refrigerated plasma: 2 days; Frozen plasma: 2 months; Myoglobin ONLY: Refrigerated plasma: 1 week

CPT Codes: 82553, 84484

CBC/3 PART AUTOMATED DIFFERENTIAL

Methodology: Automated Cell Count with Flow Cell Differential

Performed: Sun-Sat
Reported: Routine or Stat

Collect: One 3 ml lavender (EDTA) or EDTA coated micro tube for finger-stick collection

Storage/Transport Temperature: 3 ml whole blood or EDTA coated micro tube @ 2-8 degrees C

Unacceptable Condition: Frozen, clotted, hemolyzed samples or specimens collected with anticoagulant other than EDTA or refrigerated samples for platelet and differential testing; samples drawn above an IV

Remarks: DO NOT place samples on a mechanical rocker.

Stability (from collection to initiation): Ambient: 8 hrs.; Refrigerated: 24 hours

CPT Codes: 85025

CBC W/O AUTOMATED DIFFERENTIAL

Methodology: Automated Cell Count

Performed: Sun-Sat

Reported: Routine or Stat

Collect: One 3 ml lavender (EDTA) or EDTA coated micro tube for finger-stick collection

Storage/Transport Temperature: 3 ml whole blood or EDTA coated micro tube @ 2-8 degrees C

Unacceptable Condition: Frozen, clotted, hemolyzed samples or specimens collected with anticoagulant other than EDTA or refrigerated samples for platelet counts; samples drawn above an IV

Remarks: DO NOT place samples on a mechanical rocker.

Stability (from collection to initiation): Ambient: 8 hrs.; Refrigerated: 24 hours

CPT Codes: 85025

CHLORIDE

Methodology: Ion Selective Electrode (ISE)
Performed: Mon-Fri/Sun-Sat

Reported: Routine or Stat

**Collect:** One 5 ml or 8.5 ml SST or PST/4 ml green top (lithium heparin)

Storage/Transport Temperature: Serum/plasma @ 2-8 degrees C/Whole blood green top (lithium heparin) @ RT

Unacceptable Condition: Specimens showing indication of hemolysis or bacterial contamination should not be analyzed

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing/Whole blood should be run w/i 60 minutes or spun, separated and stored @ 2-8 degrees C

Stability (from collection to initiation): Serum: Ambient: 1 hour; After serum/plasma separation from cells: Refrigerated: 2 weeks; Frozen: 4 months

CPT Codes: 82435

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**CHOLESTEROL**

Methodology: Spectrophotometry

Performed: Mon-Fri 8am-5pm

Reported: Routine

**Collect:** One 5 ml or 8.5 ml SST or PST

Storage/Transport Temperature: Separate serum/plasma from cells within 2 hours of collection @ 2-8 degrees C

Unacceptable Condition: Hemolyzed serum

Remarks: Patient should be fasting for 9 -12 hours prior to specimen collection. Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing

Stability (from collection to initiation): After serum/plasma separation from cells: Refrigerated: 7 days; Frozen: 3 months
CPT Codes: 82465

### CMP (COMPREHENSIVE METABOLIC PANEL)

Methodology: Spectrophotometry/Optically

Performed: Mon-Fri/Sun-Sat

Reported: Routine or Stat

Collect: One 5 ml or 8.5 ml SST or PST/4 ml green top (lithium heparin)

Storage/Transport Temperature: Serum/plasma @ 2-8 degrees C/Whole blood green top (lithium heparin) @ RT

Unacceptable Condition: Specimens collected in EDTA, citrate, or oxalate anticoagulant

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing/Whole blood should be run w/i 60 minutes or spun, separated and stored @ 2-8 degrees C

Stability (from collection to initiation): Refrigerated: 72 hrs. (ALB); Frozen: 1 week (ALT)

CPT Codes: 80053

### CO2 (CARBON DIOXIDE)

Methodology: Spectrophotometry/Optically

Performed: Mon-Fri/Sun-Sat

Reported: Routine or Stat

Collect: One 5 ml or 8.5 ml SST or PST/4 ml green top (lithium heparin)

Storage/Transport Temperature: Serum/plasma @ 2-8 degrees C/Whole blood green top (lithium heparin) @ RT

Unacceptable Condition: Specimens containing citrate as anticoagulant
Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing/Whole blood should be run w/i 60 minutes or spun, separated and stored @ 2-8 degrees C. Specimens should be handled anaerobically, separated from erythrocytes and stored tightly stoppered before analysis.

Stability (from collection to initiation): After serum/plasma separation from cells: Refrigerated: 7 days; Frozen: 2 weeks

CPT Codes: 82374

**CREAT (CREATININE)**

Methodology: Spectrophotometry/Optically

Performed: Mon-Fri/Sun-Sat

Reported: Routine or Stat

**Collect:** One 5 ml or 8.5 ml SST or PST/4 ml green top (lithium heparin)

Storage/Transport Temperature: Serum/plasma @ 2-8 degrees C/Whole blood green top (lithium heparin) @ RT

Unacceptable Condition: Specimens obtained through catheters used to infuse hyperalimentation fluid. Specimens with potassium oxalate/sodium fluoride, citrate or EDTA anticoagulants

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing/Whole blood should be run w/i 60 minutes or spun, separated and stored @ 2-8 degrees C.

Stability (from collection to initiation): After serum/plasma separation from cells: Refrigerated: 7 days; Frozen: 3 months

CPT Codes: 82565

**CULTURES: THROAT (STREP ONLY)**

Methodology: Standard reference procedures for aerobic bacterial culture and identification

Performed: Sun-Sat
Reported: Routine

**Collect: Throat swab**

Storage/Transport Temperature: Room temperature

Unacceptable Condition: The mouth and its saliva should be avoided, and heavy mucous draining down the back of the throat from the nose is also undesirable culture material

Remarks: The very back edge of the throat is swabbed on each side vigorously enough so that the subject gags. Particular attention should be taken to swab any red, raw or raised bumps along the side and any areas coated with pus.

Stability (from collection to initiation): Ambient: 3 days; Refrigerated: 3 days; Frozen: Unacceptable

CPT Codes: 87081

**D-DIMER**

Methodology: Two-Site Sandwich Assay based upon solid phase Radial Partition Immunoassay (RPIA)

Performed: Sun-Sat

Reported: Routine or Stat

**Collect: One 4ml green top (Lithium Heparin)**

Storage/Transport Temperature: Test blood specimens immediately or within 2 hours of collection. If testing cannot be completed within 2 hours, the plasma should be separated and frozen until it can be tested. Transport specimens at room temperature or chilled and avoid extreme temperatures.

Unacceptable Condition: Serum or severely hemolyzed specimens.

Remarks: Must be tested within 2 hours. If testing cannot be completed within 2 hours, the plasma should be separated and stored @ -20C until it can be tested.

Stability (from collection to initiation): Ambient whole blood: 2 hours; Refrigerated plasma: 2 days; Frozen: 2 months

CPT Codes: 85379
**ELECTROLYTES (NA, K, CL, CO2)**

**Methodology:** Spectrophotometry/Optically

**Performed:** Mon-Fri/Sun-Sat

**Reported:** Routine or Stat

**Collect:** One 5 ml or 8.5 ml SST or PST/4 ml green top (lithium heparin)

**Storage/Transport Temperature:** Serum/plasma @ 2-8 degrees C/Whole blood green top (lithium heparin) @ RT

**Unacceptable Condition:** Specimens collected in EDTA, citrate, or oxalate anticoagulated

**Remarks:** Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing/Whole blood should be run w/i 60 minutes or spun, separated and stored @ 2-8 degrees C

**Stability (from collection to initiation):** Ambient: 1 hour; Refrigerated: 1 week (tightly capped); Frozen: 2 weeks

**CPT Codes:** 80051

**ESR (ERYTHROCYTE SEDIMENTATION RATE)**

**Methodology:** Modified Westergren Method

**Performed:** Mon-Fri 8am-5pm

**Reported:** Routine

**Collect:** One 4 ml lavender (EDTA)

**Storage/Transport Temperature:** 4 ml whole blood @ 4 degrees C

**Unacceptable Condition:** Any sample collected in an anticoagulant other than EDTA, hemolyzed samples or samples > than 12 hrs. old refrigerated or > 2 hrs. ambient

**Remarks:**

**Stability (from collection to initiation):** Ambient: < 2 hrs.; Refrigerated: 12 hrs.
FT4 (FREE T4)

Methodology: Enzyme Immunoassay (Competitive Binding Assay)

Performed: Tues/Fri 8am-5pm

Reported: Routine

Collect: One 5 ml or 8.5 ml SST

Storage/Transport Temperature: Samples may be refrigerated for up to 24 hours prior to analysis. If the analysis cannot be done within 24 hrs., the sample should be stored frozen for up to 60 days

Unacceptable Condition: EDTA and citrated plasma should not be used

Remarks: Repeated freeze-thaw cycles should be avoided.

Stability (from collection to initiation): Refrigerated: 24 hrs.; Frozen: 60 days

CPT Codes: 84439

GGT (GAMMA GLUTAMYL TRANSFERASE)

Methodology: Optically

Performed: Sun-Sat

Reported: Routine or Stat

Collect: 4 ml green top (lithium heparin)

Storage/Transport Temperature: Whole blood green top (lithium heparin) @ RT

Unacceptable Condition: Specimens collected in EDTA, citrate, or oxalate anticoagulated

Remarks: Whole blood should be run w/i 60 minutes or spun, separated and stored @ 2-8 degrees C

Stability (from collection to initiation): Whole blood: Ambient: 1 hour; After plasma separation form cells: Ambient: 5 hours; Refrigerated: 48 hours; Frozen: 5 weeks
CPT Codes: 82977

**GLUCOMETER**

Methodology: Electrochemical Measurement

Performed: Sun-Sat

Reported: Routine or Stat

**Collect:** Capillary blood

Storage/Transport Temperature: Freshly collected

Unacceptable Condition: Anticoagulated blood, plasma or serum

Remarks: You must apply blood to the test strip within 15 seconds of lancing the finger

Stability (from collection to initiation): Ambient: 15 seconds

CPT Codes: 82948

**GLUCOSE (GLU)**

Methodology: Spectrophotometry/Optically

Performed: Mon-Fri/Sun-Sat

Reported: Routine or Stat

**Collect:** One 5 ml or 8.5 ml SST or PST/4 ml green top (lithium heparin)

Storage/Transport Temperature: Serum/plasma @ 2-8 degrees C/Whole blood green top (lithium heparin) @ RT

Unacceptable Condition: Specimens showing indication of hemolysis or bacterial contamination should not be analyzed

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing/whole blood should be run w/1 60 minutes or spun, separated and stored @ 2-8 degrees C. Patient should be fasting for 12 hours prior to specimen collection
Stability (from collection to initiation): After serum/plasma separation from cells:  
Serum: Ambient: 8 hours; Both Refrigerated: 72 hours

CPT Codes: 82947

**H. PYLORI**

Methodology: Lateral Flow Immunoassay

Performed: Sun-Sat

Reported: Routine or Stat

Collect: One 4 ml green top (sodium heparin or lithium heparin) or one 3 ml/4 ml purple top (EDTA)

Storage/Transport Temperature: Whole blood @ 2-8 degrees C

Unacceptable Condition: The test should be used only to evaluate adult patients with clinical signs and symptoms suggestive of GI disease

Stability: (from collection to initiation): Whole blood: Ambient: 4 hrs.; Refrigerated: 72 hours

CPT Codes: 86677

**HDL CHOLESTEROL**

Methodology: Spectrophotometry

Performed: Mon-Fri 8am-5pm

Reported: Routine

Collect: One 5 ml or 8.5 ml SST/PST

Storage/Transport Temperature: Serum/plasma @ 2-8 degrees C

Unacceptable Condition: Specimens showing indication of bacterial contamination should not be analyzed; Anticoaguants containing citrate should not be used

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing. Patient should be fasting for 9 - 12 hours prior to specimen collection
HEMATOCRIT (HCT)

**Methodology:** Automated Cell Counter

**Performed:** Sun-Sat

**Reported:** Routine or Stat

**Collect:** One 4 ml lavender (EDTA) or EDTA coated micro tube for finger-stick collection

**Storage/Transport Temperature:** 4 ml whole blood or EDTA coated micro tube @ 2-8 degrees C

**Unacceptable Condition:** Frozen, clotted, hemolyzed samples or specimens collected with anticoagulant other than EDTA

**Remarks:**

Stability (from collection to initiation): Ambient: 12 hrs.; Refrigerated: 24 hrs.

CPT Codes: 85014

H & H (HEMOGLOBIN & HEMATOCRIT)

**Methodology:** Automated Cell Counter

**Performed:** Sun-Sat

**Reported:** Routine or Stat

**Collect:** One 4 ml lavender (EDTA) or EDTA coated micro tube for finger-stick collection

**Storage/Transport Temperature:** 4 ml whole blood or EDTA coated micro tube @ 2-8 degrees C

**Unacceptable Condition:** Frozen, clotted, hemolyzed samples or specimens collected with anticoagulant other than EDTA

**Remarks:**

Stability (from collection to initiation): Ambient: 12 hrs.; Refrigerated: 24 hrs.

CPT Codes: 85014
CPT Codes: 85018 & 85014

**HEMOGLOBIN (HBG)**

Methodology: Automated Cell Counter

Performed: Sun-Sat

Reported: Routine or Stat

**Collect:** One 4 ml lavender (EDTA) or EDTA coated micro tube for finger-stick collection

Storage/Transport Temperature: 4 ml whole blood or EDTA coated micro tube @ 2-8 degrees C

Unacceptable Condition: Frozen, clotted, hemolyzed samples or specimens collected with anticoagulant other than EDTA

Remarks:

Stability (from collection to initiation): Ambient: 12 hrs.; Refrigerated: 24 hrs.

CPT Codes: 85018

**HGBA1C (HEMOGLOBIN A1C)**

Methodology: Boronate Affinity Assay

Performed: Sun-Sat

Reported: Routine

**Collect:** One 3 ml lavender (EDTA) or EDTA coated micro tube for finger-stick collection

Storage/Transport Temperature: 4 ml whole blood or EDTA coated micro tube @ 2-8 degrees C

Unacceptable Condition:

Remarks: Heparin or citrate anticoagulated blood may be used

Stability (from collection to initiation): Refrigerated: Up to 10 days

CPT Codes: 83036
KOH
Methodology: Microscopy

Performed: Mon-Fri 8am-5pm
Reported: Routine

Collect: Any source is acceptable, but skin and hair scrapings, oral swabs and vaginal swabs are the most common

Storage/Transport Temperature: Room temperature; Do Not put nail clippings or hair in a moist environment (saline)

Unacceptable Condition:

Remarks: For Moderately Complex Laboratories, CLIA allows the examination for fungal elements only

Stability (from collection to initiation): Ambient: 1 week

CPT Codes: 87220

LIPASE
Methodology: Spectrophotometry

Performed: Sun-Sat
Reported: Routine or Stat

Collect: One 5 ml or 8.5 ml SST or PST

Storage/Transport Temperature: 2-8 degrees C

Unacceptable Condition: Hemolyzed or icteric serum/plasma

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing.

Stability (from collection to initiation): Serum/Plasma: Ambient: 7 days; Refrigerated: 3 weeks; Frozen: 1 year

CPT Codes: 83690

LIPID PROFILE (CHOL, TRIG, HDL AND CALCULATED LDL)
Methodology: Spectrophotometry
Performed: Mon-Fri 8am-5pm

Reported: Routine

**Collect:** One 5 ml or 8.5 ml SST or PST

Storage/Transport Temperature: Serum/plasma @ 2-8 degrees C

Unacceptable Condition: Hemolyzed serum/plasma; specimens showing indication of bacterial contamination should not be analyzed

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing. Patient should be fasting for 9 - 12 hours prior to specimen collection

Stability (from collection to initiation): Refrigerated: 1-7 days

CPT Codes: 80061

**LIVER FUNCTION TESTS W/O DIRECT BILIRUBIN (LFT)**

Methodology: Spectrophotometry/Optically

Performed: Mon-Fri/Sun-Sat

Reported: Routine or Stat

**Collect:** One 5 ml or 8.5 ml SST or PST/4ml green top (lithium heparin)

Storage/Transport Temperature: (PROTECT FROM LIGHT): Serum/plasma @ 2-8 C

Unacceptable Condition: Specimens showing indication of hemolysis or bacterial contamination should not be analyzed

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing. Specimens must be stored away from sunlight or fluorescent lights because bilirubin is subject to photodegradation

Stability (from collection to initiation): After serum/plasma separation from cells: Ambient: 24 hrs.; Refrigerated: 72 hours; Frozen: 1 week
MAGNESIUM

Methodology: Spectrophotometry

Performed: Sun-Sat

Reported: Routine or Stat

Collect: One 5 ml or 8.5 ml SST or PST

Storage/Transport Temperature: Serum/plasma @ 2-8 C

Unacceptable Condition: Hemolyzed serum/plasma

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate specimen from the RBCs ASAP because the magnesium concentration in RBCs is substantially greater than in serum/plasma; Store serum/plasma in stoppered tubes if analysis is delayed

Stability: (from collection to initiation): Separated serum/plasma:
Refrigerated: 7 days; Frozen: 1 year

CPT Codes: 83735

MANUAL DIFFERENTIAL

Methodology: Microscopic

Performed: Mon-Fri 8am-5pm

Reported: Routine

Collect: One 4 ml lavender (EDTA)

Storage/Transport Temperature: 4ml whole blood at 2-8 degrees C

Unacceptable Condition: Frozen or clotted specimens

Remarks: Need to order a CBC also; laboratory personnel will make whole blood slides

Stability (from collection to initiation): Ambient: 8 hours; Refrigerated 24 hours
MONO TEST

Methodology: Color ImmunoChromatographic Assay (CICA)

Performed: Sun-Sat

Reported: Routine or Stat

Collect: One 4 ml purple (EDTA whole blood)

Storage/Transport Temperature: Refrigerated EDTA whole blood

Unacceptable Condition: Results are valid even if hemolyzed

Remarks: Whole blood containing heparin or citrate as an anticoagulant may be used immediately or stored @ 2-8 degrees C for up to 72 hours

Stability (from collection to initiation): Refrigerated @ 2-8 degrees C for up to 72 hours; Frozen: 3 months

CPT Codes: 86308

POTASSIUM (K)

Methodology: Ion Selective Electrode (ISE)

Performed: Mon-Fri/Sun-Sat

Reported: Routine or Stat

Collect: One 5 ml or 8.5 ml SST/PST/4ml green top (lithium heparin)

Storage/Transport Temperature: Serum/plasma @ 2-8 degrees C/Whole blood green top (lithium heparin) @ RT

Unacceptable Condition: Hemolyzed specimen; specimens collected in sodium fluoride or potassium oxalate, citrate or EDTA

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing/Whole blood should be run w/i 60 minutes or spun, separated and stored @ 2-8 degrees C
**PROTIME/INR**

Methodology: Electrochemical Measurement

Performed: Sun-Sat

Reported: Routine or Stat

Collect: Fingerstick sample

Storage/Transport Temperature: You must apply blood to the test strip within 15 seconds of lancing the finger

Unacceptable Condition: Plasma or serum

Remarks: Never add more blood to the test strip after the test has begun or perform another test using the same fingerstick

Stability (from collection to initiation): 15 seconds @ room temperature

CPT Codes: 85610

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**PSA (PROSTATE SPECIFIC ANTIGEN)**

Methodology: Immunoenzymometric Assay

Performed: Tues/Fri 8am-5pm

Reported: Routine

Collect: One 5 ml or 8.5 ml SST

Storage/Transport Temperature: Samples may be refrigerated for up to 24 hours prior to analysis. If the analysis cannot be done within 24 hrs., the sample should be stored frozen for up to 60 days

Unacceptable Condition: EDTA and citrated plasma should not be used

Remarks: Repeated freeze-thaw cycles should be avoided.
PSA (PROSTATE SPECIFIC ANTIGEN) SCREEN

Methodology: Immunoenzymometric Assay

Performed: Tues/Fri 8am-5pm

Reported: Routine

Collect: One 5 ml or 8.5 ml SST

Stability (from collection to initiation): Refrigerated: 24 hrs.; Frozen: 60 days

CPT Codes: 84153

RAPID INFLUENZA (A & B)

Methodology: Lateral-Flow Immunoassay

Performed: Sun-Sat

Reported: Routine or Stat

Collect: Nasal swab, nasopharyngeal swab, nasal wash or aspirate

Storage/Transport Temperature: Room temperature in a clean, dry, closed container

Unacceptable Condition: Transport media other than Hank’s Balanced Salt Solution, M5 Media or saline

Stability (from collection to initiation): Refrigerated: 24 hrs.; Frozen: 60 days

CPT Codes: 84153
Remarks: Specimens should be tested ASAP

Stability (from collection to initiation): Ambient: 8 hours; Refrigerated: 8 hours; Frozen: nasal wash/aspirate specimens @ -70: 1 month

CPT Codes: 87804 X 2

RAPID RSV (RESPIRATORY SYNCYTIAL VIRUS)
Methodology: Dipstick Immunoassay

Performed: Sun-Sat

Reported: Routine or Stat

Collect: Nasopharyngeal swab (supplied in the kit), nasopharyngeal aspirate, nasopharyngeal wash or nasal wash

Storage/Transport Temperature: Room temperature in a clean, dry, closed container

Unacceptable Condition: M4-3 and Amies transport media are not compatible with this device

Remarks: Proper specimen collection and handling is critical to the performance of this test; specimens should be tested ASAP; This test is suitable for the pediatric population (18 years of age and younger) only and should not be used in an adult population

Stability (from collection to initiation): Ambient: 8 hours; Refrigerated: 8 hours

CPT Codes: 87420

RAPID STREP SCREEN WITH REFLEX TO CULTURE
Methodology: Lateral-Flow Immunoassay

Performed: Sun-Sat

Reported: Routine or Stat

Collect: Throat swab collected with rayon tipped swab; collect a second swab using a cotton tipped or Dacron swab for culture

Storage/Transport Temperature: Room temperature in a clean, dry, closed container or sleeve
Unacceptable Condition: Throat swabs collected using calcium alginate, cotton tipped or wooden shaft swabs for the rapid test

Remarks: It is recommended that swab specimens be processed ASAP after collection

Stability (from collection to initiation): Ambient: 72 hours; Refrigerated: 72 hours

**SODIUM (NA)**

Methodology: Ion Selective Electrode (ISE)

Performed: Mon-Fri/Sun-Sat

Reported: Routine or Stat

Collect: One 5 ml or 8.5 ml SST or PST/4 ml green top (lithium heparin)

Storage/Transport Temperature: Serum/plasma @ 2-8 degrees C/Whole blood green top (lithium heparin) @ RT

Unacceptable Condition: Specimens collected in potassium oxalate, sodium fluoride, or sodium citrate

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing/Whole blood should be run w/i 60 minutes or spun, separated and stored @ 2-8 degrees C

Stability (from collection to initiation): After serum/plasma separation from cells: Ambient: 1 hour; Refrigerated: 2 weeks; Frozen: 4 months

CPT Codes: 82495

**STOOL OCCULT BLOOD DIAGNOSTIC**

Methodology: Colorimetry

Performed: Sun-Sat

Reported: Routine or Stat

Collect: Stool

Storage/Transport Temperature: Room temperature
Unacceptable Condition: Frozen stool, stool in preservatives

Remarks: If submitting the stool on the Colocheck slides, it must be a VERY THIN SMEAR

Stability (from collection to initiation): Ambient: up to 12 days

CPT Codes: 82272

**STOOL OCCULT BLOOD SCREEN**

Methodology: Colorimetry

Performed: Sun-Sat

Reported: Routine or Stat

Collect: Stool

Storage/Transport Temperature: Room temperature

Unacceptable Condition: Frozen stool, stool in preservatives

Remarks: If submitting the stool on the Colocheck slides, it must be a VERY THIN SMEAR

Stability (from collection to initiation): Ambient: up to 12 days

CPT Codes: 82270

**TOTAL BILIRUBIN (TBILI)**

Methodology: Spectrophotometry/Optically

Performed: Mon-Fri 8am-5pm/Sun-Sat

Reported: Routine or Stat

Collect: One 5 ml or 8.5 ml SST or PST/4 ml green top (lithium heparin)

Storage/Transport Temperature: Serum/plasma @ 2-8 degrees C/Whole blood green top (lithium heparin) @ RT

Unacceptable Condition: Specimens collected in EDTA, citrate, or oxalate anticoagulated
Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing/Whole blood should be run w/I 60 minutes or spun, separated and stored @ 2-8 degrees C; Protect from light during collection, storage and shipment

Stability (from collection to initiation): After serum/plasma separation from cells and if protected from light: Refrigerated: 1 week; Frozen: 6 months

CPT Codes: 82247

### TOTAL PROTEIN (TP)

**Methodology:** Spectrophotometry/Optically

**Performed:** Mon-Fri 8am-5pm/Sun-Sat

**Reported:** Routine or Stat

**Collect:** One 5 ml or 8.5 ml SST or PST/4 ml green top (lithium heparin)

**Storage/Transport Temperature:** Serum/plasma @ 2-8 degrees C/Whole blood green top (lithium heparin) @ RT

**Unacceptable Condition:** Specimens collected in EDTA, citrate, or oxalate anticoagulated; extensive hemolysis should be avoided because the proteins released will react with ACE Total Protein Reagent

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing/Whole blood should be run w/I 60 minutes or spun, separated and stored @ 2-8 degrees C

Stability (from collection to initiation): After serum/plasma separation from cells: Refrigerated: 72 hours

CPT Codes: 84155

### TRIGLYCERIDE (TRIG)

**Methodology:** Spectrophotometry

**Performed:** Mon-Fri 8am-5pm

**Reported:** Routine
Collect:  One 5 ml or 8.5 ml SST/PST

Storage/Transport Temperature:  Serum/plasma @ 2-8 degrees C

Unacceptable Condition:  Collection tubes and stoppers MUST be glycerol-free

Remarks:  Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min.  Separate serum/plasma from cells ASAP for routine testing; fasting specimen preferred; NO vitamin supplements or alcohol 24 hrs. prior to specimen collection

Stability (from collection to initiation):  Refrigerated: 4-7 days

CPT Codes:  84478

**TSH (THYROID STIMULATING HORMONE)**

Methodology: Immuno Enzymometric Assay

Performed: Tues/Fri  8am-5pm

Reported: Routine

Collect:  One 5 ml or 8.5 ml SST

Storage/Transport Temperature:  Samples may be refrigerated for up to 24 hours prior to analysis.  If the analysis cannot be done within 24 hrs., the sample should be stored frozen for up to 60 days

Unacceptable Condition:  EDTA and citrated plasma should not be used

Remarks:  Repeated freeze-thaw cycles should be avoided.

Stability (from collection to initiation):  Refrigerated:  7 days; Frozen:  60 days

CPT Codes:  84443

**UA DIPSTICK ONLY**

Methodology:  Reflective Photometry

Performed:  Sun-Sat
Reported: Routine or Stat

Collect: Random urine

Storage/Transport Temperature: 2-8 degrees C

Unacceptable Condition: Frozen specimen and in gray top tubes (boric acid)

Remarks: Time Sensitive

Stability (from collection to initiation): Ambient: 1 hr.; Refrigerated: 24 hrs.; Frozen: Unacceptable

CPT Codes: 81003

**UA DIPSTICK WITH MICRO**

Methodology: Reflective Photometry/Microscopic

Performed: Sun-Sat/Mon-Fri 8am-5pm

Reported: Stat/Routine

Collect: Random urine

Storage/Transport Temperature: 2-8 degrees C

Unacceptable Condition: Less than 2.5 ml urine; Frozen specimen or in gray top tubes (boric acid)

Remarks: Time Sensitive

Stability (from collection to initiation): Ambient: 1 hr.; Refrigerated: 24 hrs.; Frozen: Unacceptable

CPT Codes: 81015

**UA DIPSTICK WITH REFLEX TO MICRO**

Methodology: Reflective Photometry/Microscopic

Performed: Sun-Sat/Mon-Fri 8am-5pm

Reported: Stat/Routine

Collect: Random urine

Storage/Transport Temperature: 2-8 degrees C
Unacceptable Condition: Less than 2.5 ml urine; Frozen specimen or in gray top tubes (boric acid)

Remarks: Time Sensitive

Stability (from collection to initiation): Ambient: 1 hr.; Refrigerated: 24 hrs.; Frozen: Unacceptable

CPT Codes: 81003

**UA DIPSTICK WITH REFLEX TO MICRO & CULTURE**

Methodology: Reflective Photometry/Microscopic

Performed: Sun-Sat/Mon-Fri 8am-5pm

Reported: Stat/Routine

Collect: Clean catch or cath urine

Storage/Transport Temperature: 2-8 degrees C

Unacceptable Condition: Less than 2.5 ml urine; Frozen specimen or in gray top tubes (boric acid); urine from catheter bag

Remarks: Time Sensitive

Stability (from collection to initiation): Ambient: 1 hr.; Refrigerated: 24 hrs.; Frozen: Unacceptable

CPT Codes: 81003

**UA DIPSTICK WITH REFLEX TO CULTURE**

Methodology: Reflective Photometry/Microscopic

Performed: Sun-Sat/Mon-Fri 8am-5pm

Reported: Stat/Routine

Collect: Clean catch or cath urine

Storage/Transport Temperature: 2-8 degrees C

Unacceptable Condition: Less than 2.5 ml urine; Frozen specimen or in gray top tubes (boric acid); urine from catheter bag
URIC ACID

Methodology: Spectrophotometry/Optically

Performed: Sun-Sat

Reported: Routine or Stat

Collect: One 5 ml or 8.5 ml SST or PST/Whole blood green top (lithium heparin) @ RT

Storage/Transport Temperature: Serum/plasma @ 2-8 degrees C/Whole blood green top (lithium heparin) @ RT

Unacceptable Condition: Specimens collected in EDTA, citrate, or oxalate anticoagulated; hemolyzed serum/plasma

Remarks: Allow SST to clot completely at room temperature for 30 min. & spin for 10 min. or spin PST for 10 min. Separate serum/plasma from cells ASAP for routine testing/Whole blood should be run w/I 60 minutes or spun, separated and stored @ 2-8 degrees C

Stability (from collection to initiation): Whole blood: Ambient: 1 hour; After serum or plasma separation from cells: Refrigerated: 3-5 days; Frozen: 6 months

CPT Codes: 84550

URINE DRUG SCREEN, RAPID, 9 DRUGS

Methodology: Lateral Flow Chromatographic Immunoassay

Performed: Sun-Sat

Reported: Routine or Stat

Collect: Urine specimen from any time of the day

Storage/Transport Temperature: Refrigerated
Unacceptable Condition: Do Not use cloudy samples or urine samples with visible precipitates for testing

Remarks: None

Stability (from collection to initiation): Refrigerated: 48 hrs. or freeze for prolonged storage

CPT Codes: 80101 X 9

**URINE PREGNANCY**

Methodology: Rapid Chromatographic Immunoassay

Performed: Sun-Sat

Reported: Routine or Stat

Collect: Urine specimen

Storage/Transport Temperature: Refrigerated

Unacceptable Condition: Do Not use cloudy samples or urine samples with visible precipitates for testing

Remarks: A first morning specimen is preferred; however, urine specimens collected at any time of the day may be used.

Stability (from collection to initiation): Refrigerated: 48 hrs. or freeze for prolonged storage

CPT Codes: 81025

**WET PREP**

Methodology: Microscopy

Performed: Mon-Fri 8am-5pm

Reported: Routine

Collect: Vaginal discharge

Storage/Transport Temperature: Transport to lab ASAP in a tube with warm saline in a cup of tepid water

Unacceptable Condition: Dried swab

Remarks: Request tube with warm saline from laboratory staff
Stability (from collection to initiation): 15 minutes

CPT Codes: 87210