

Master Test List

ABO/Rh

Profile ABO group, Rh type
CPT ABO 86900, Rh 86901
Dept Blood Bank
Spec 7 ml lavender top; HAND LABEL with Name, MR #, Date, Time and Initials
Ref N/A
Panic (high): N/A
Panic (low): N/A
Storage Refrigerate
Setup Daily
Stat Yes
XRef Type and Rh, Blood type only

ACETAMINOPHEN

CPT 82003
Dept Chemistry
Spec gold SST
Ref Therapeutic range 10-30 ug/ml
Panic (high): 150 ug/ml (4 hours after ingestion)
Panic (low): N/A
Meth p-aminophenol ferricyanide + THQ
Storage Refrigerate
Setup Daily
Stat Yes

ACETONE SERUM

CPT 82010
Dept Chemistry
Spec gold SST
Ref Negative
Panic (high): N/A
Panic (low): N/A
Meth Acetest tablet
Storage Refrigerate
Com Avoid hemolysis
Setup Daily
Stat Yes
XRef Ketones-Serum

ACTIVATED PARTIAL THROMBOPLASTIN TIME/ APTT

CPT 85730
Dept Hematology
Spec 2.7ml blue top containing 3.2% sodium citrate
Ref See report
Panic (high): > 45 seconds no therapy
> 85 seconds with therapy
Panic (low): N/A

Meth Photo-optical clot detection
Storage Centrifuge, aliquot and refrigerate plasma
Com Tube must be filled adequately (3/4 full) to prevent test result errors due to dilution of blood with excessive anticoagulant or under-anticoagulation.
Setup Daily
Stat Yes
XRef PTT

ALBUMIN

CPT 82040
Dept Chemistry
Spec gold SST
Ref 3.6-5.0 gm/dl
Panic (high): N/A
Panic (low): N/A
Meth Colorimetric bromocresol green
Storage Refrigerate
Com Avoid hemolyzed specimens.
Setup Daily
Stat Yes

ALCOHOL

CPT 82055
Dept Chemistry
Spec gold SST or 10 ml plain red top tube
Ref 0 mg/dl
Panic (high): N/A
Panic (low): N/A
Meth acetaldehyde + TRIS
Storage Refrigerate
Com Do not pop top on tube or pour off tube into any other tube. Do not expose to air. Do not use alcohol prep to draw.
Setup Daily
Stat Yes
XRef Ethanol

ALKALINE PHOSPHATASE (ALK PHOS)

CPT 84075
Dept Chemistry
Spec gold SST
Ref 38-126 U/L Pediatric range: 100 – 300 U/L
Panic (high): N/A
Panic (low): N/A
Meth p-Nitrophenyl-phosphate
Storage Refrigerate
Com Avoid hemolyzed specimens

Profile = Tests included CPT = CPT Code Dept = Department Spec = Specimen Requirement Ref = Reference Range Meth = Method
Storage = Storage Requirements Meth = Method Com = Comments Setup = Testing Schedule Stat = Available STAT Xref = Cross reference
Gold SST = 5 ml serum separator tube Plain red = 10 ml tube Gray = 2 ml Na Fluoride tube Mint Green = 3.5 ml Li Heparin tube

Master Test List

Setup Daily
Stat Yes

ALT/SGPT (Alanine Aminotransferase)

CPT 84460
Dept Chemistry
Spec gold SST
Ref Male: 7-58 u/L; Female: 9-42 u/L
Panic (high): N/A
Panic (low): N/A
Meth L-alanine +alpha ketoglutarate dec. in NADH
Storage Refrigerate
Setup Daily
Stat Yes
XRef SGPT

AMA BASIC METABOLIC PANEL (AMAB)

CPT 80048
Profile Calcium, Carbon dioxide, Chloride, Creatinine, Glucose, Potassium, Sodium, BUN (Blood Urea Nitrogen).
Dept Chemistry
Spec gold SST
Ref See individual test
Panic (high): See individual tests
Panic (low): See individual tests
Meth See individual test
Storage Refrigerate
Setup Daily
Stat Yes

AMA COMPREHENSIVE METABOLIC PANEL (AMAC)

CPT 80053
Profile Albumin, Total Bilirubin, Calcium, Carbon Dioxide, Chloride, Creatinine, Glucose, Alkaline Phosphatase, Potassium, Total Protein, Sodium, AST, BUN, ALT
Dept Chemistry
Spec gold SST
Ref See individual tests
Panic (high): See individual tests
Panic (low): See individual tests
Meth See individual tests
Storage Refrigerate
Setup Daily
Stat Yes

AMA ELECTROLYTE PANEL

CPT 80051
Profile Sodium, potassium, chloride, CO₂
Dept Chemistry
Spec gold SST
Ref See individual test
Panic (high): See individual tests
Panic (low): See individual tests
Meth See individual test
Storage Refrigerate
Com Specimen must not be hemolyzed.
Setup Daily
Stat Yes
XRef Electrolyte Profile

AMA HEPATIC FUNCTION PANEL (AMAH)

CPT 80076
Profile Albumin, Total Bilirubin, Conjugated Bilirubin, Alkaline Phosphatase, Total Protein, ALT, AST
Dept Chemistry
Spec gold SST
Ref See individual test
Panic (high): See individual tests
Panic (low): See individual tests
Meth See individual tests
Storage Refrigerate
Setup Daily
Stat Yes

AMA RENAL PANEL

CPT 80069
Profile Glucose, BUN, creat, Na, K, Cl, CO₂, Ca, Phos, Albumin
Dept Chemistry
Spec gold SST
Ref See individual test
Panic (high): See individual tests
Panic (low): See individual tests
Meth See individual tests
Storage Refrigerate
Setup Daily
Stat Yes

AMMONIA

CPT 82140
Dept Chemistry
Spec mint green on ice
Ref 9-33 umol/L
Panic (high): N/A
Panic (low): N/A

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Master Test List

Meth Bromphenol blue
Storage Must be on ice and brought immediately to the laboratory. If unable to deliver immediately, aliquot and refrigerate plasma. After 3 hours, plasma must be frozen
Setup Daily
Stat Yes
XRef NH3

AMYLASE, SERUM

CPT 82150
Dept Chemistry
Spec gold SST
Ref 30-110 u/L
Panic (high): N/A
Panic (low): N/A

Meth Dyed starch amylopectin
Storage Refrigerate
Setup Daily
Stat Yes

AMYLASE, URINE

CPT 82150
Dept Chemistry
Spec 24 hour or 2 hour timed specimen
Ref 1-17 units/hour
Panic (high): N/A
Panic (low): N/A

Meth Dyed starch amylopectin
Storage Refrigerate
Com Specimens should be tested as soon as possible. Amylase may be unstable in some urines.
Setup Daily
Stat No

ANA

CPT 86255
Dept Beacon Laboratory
Spec gold SST
Ref Negative
Panic (high): N/A
Panic (low): N/A

Meth fluorescence
Storage Refrigerate

Setup Mon – Fri
Stat No
XRef Anti-nuclear Antibody

ANTIBODY SCREEN (Part of Type & Screen)

CPT 86850
Dept Blood Bank
Spec 7 ml lavender top; HAND LABEL with Name, MR #, Date, Time and Initials
Ref N/A
Panic (high): N/A
Panic (low): N/A

Storage Refrigerate
Setup Daily
Stat Yes
XRef Indirect Coombs

ANTI-NUCLEAR ANTIBODY

CPT 86255
Dept Beacon Laboratory
Spec gold SST
Ref Negative
Panic (high): N/A
Panic (low): N/A

Meth fluorescence
Storage Refrigerate
Setup Mon – Fri
Stat No
XRef ANA

ASPIRIN

CPT 80196
Dept Chemistry
Spec gold SST
Ref Therapeutic range 100-300 mg/L
Panic (high): 300 mg/L
Panic (low): N/A

Meth Catechol + MBTH + O₂
Storage Refrigerate
Setup Daily
Stat Yes
XRef Salicylate

AST/SGOT (Aspartate aminotransferase)

CPT 84450
Dept Chemistry
Spec gold SST
Ref 15-46 u/L
Panic (high): N/A
Panic (low): N/A

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Master Test List

Meth Aspartate +alpha ketoglutarate dec. in NADH
Storage Refrigerate
Com Avoid hemolyzed specimens.
Setup Daily
Stat Yes
XRef SGOT

B12 / VITAMIN B12

CPT 82607
Dept Chemistry
Spec gold SST
Ref 239 – 931 pg/ml
Panic (high): N/A
Panic (low): N/A
Meth Chemiluminescent
Storage Refrigerate, protect from light
Setup Daily
Stat Yes

BNP

CPT 83880
Dept Chemistry
Spec 4 ml lavender top
Ref 0-100 pg/mL
Panic (high): N/A
Panic (low): N/A
Meth Fluorescence Immunoassay
Storage Submit immediately to laboratory
Com Must be analyzed within 24 hours of collection
Setup Daily
Stat Yes
XRef B Type Natriuretic Peptide

Babesia

CPT 87207
Dept Hematology
Spec 4 ml lavender top
Ref Neg
Panic (high): Presence of babesia
Panic (low): N/A
Meth Microscopic exam of Wright-Giemsa stained smear
Storage Refrigerate

Setup Daily
Stat Yes

BACTERIAL ANTIGEN TEST, CSF

CPT 86403
Profile Haemophilus influenza type B, streptococcus pneumoniae, group B streptococcus, N. meningitidis groups C & W135, N. meningitidis groups A & Y, N. meningitidis group B/E. coli K1
Dept Microbiology
Spec CSF—DO NOT REFRIGERATE
Ref Negative
Panic (high): Positive antigen
Panic (low):
Meth Latex agglutination
Storage CSF at room temperature
Setup Daily
Stat Yes

B HCG-QUALITATIVE-SERUM

CPT 84703
Dept Chemistry
Spec gold SST
Ref Negative
Panic (high): N/A
Panic (low): N/A
Meth Self-performing immunoassay
Storage Refrigerate
Setup Daily
Stat Yes
XRef Pregnancy Serum-Qualitative

B HCG-QUANTITATIVE-SERUM

CPT 84702
Dept Chemistry
Spec gold SST
Ref See report
Panic (high): N/A
Panic (low): N/A
Meth Microparticle Enzyme Immunoassay, Chemiluminescent
Storage Refrigerate

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Master Test List

Setup Daily
Stat Yes
XRef Pregnancy Serum-Quantitative

BILIRUBIN CONJUGATED

CPT 82248
Dept Chemistry
Spec gold SST
Ref 0.0-0.1 mg/dl
Panic (high): N/A
Panic (low): N/A
Meth Direct spectrophotometry
Storage Refrigerate
Com Light sensitive
Setup Daily
Stat Yes
XRef Bilirubin Direct

BILIRUBIN DIRECT

CPT 82248
Dept Chemistry
Spec gold SST
Ref 0.0-0.1 mg/dl
Panic (high): N/A
Panic (low): N/A
Meth Direct spectrophotometry
Storage Refrigerate
Com Light sensitive
Setup Daily
Stat Yes
XRef Bilirubin Conjugated

BILIRUBIN INDIRECT

CPT 82250
Dept Chemistry
Spec gold SST
Ref 0.1-1.1 mg/dl
Panic (high): N/A
Panic (low): N/A
Meth Direct spectrophotometry
Storage Refrigerate
Com Light sensitive
Setup Daily
Stat Yes
XRef Bilirubin Unconjugated

BILIRUBIN TOTAL

CPT 82247
Dept Chemistry
Spec gold SST
Ref 0.1-1.3 mg/dl
Panic (high): N/A
Panic (low): N/A
Meth Diazo
Storage Refrigerate
Com Light sensitive
Setup Daily
Stat Yes

BILIRUBIN UNCONJUGATED

CPT 82250
Dept Chemistry
Spec gold SST
Ref 0.1-1.1 mg/dl
Panic (high): N/A
Panic (low): N/A
Meth Direct spectrophotometry
Storage Refrigerate
Com Light sensitive
Setup Daily
Stat Yes
XRef Bilirubin Indirect

BLEEDING TIME

CPT 85002
Dept Hematology
Spec N/A
Ref 2-8 minutes
Panic (high): N/A
Panic (low): N/A
Meth Ivy
Com Must have a platelet count available before bleeding time is performed. Aspirin and or platelet inhibitor drugs (e.g., Plavix) may elevate the bleeding time.
Setup Daily, performed by technologist or phlebotomist
Stat Yes
XRef Template Bleeding Time

BLOOD TYPE

Profile ABO group, Rh type
CPT ABO 86900, Rh 86901
Dept Blood Bank
Spec 7 ml lavender top; HAND LABEL with Name, MR #, Date, Time and Initials
Ref N/A
Panic (high): N/A

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Master Test List

Panic (low): N/A
Storage Refrigerate
Setup Daily
Stat Yes
XRef Type and Rh, Blood type only

BODY FLUID FOR CYTOLOGY

CPT 88104, 88108; (Cell Block 88305, if quantity sufficient)
Dept Cytology
Spec Pleural, abdominal, or any other body cavity fluid
Ref No abnormal findings.
Panic (high): N/A
Panic (low): N/A
Meth Cytologic / Microscopic study
Storage If delay, remove portion of fluid, and add equal Amount of 95% alcohol to fluid & refrigerate
Com If possible, entire collection should be sent.
Setup Monday through Friday
Stat No
X Ref Cytology / Fluid, Fluid for Cytology

BONE MARROW ASPIRATE

CPT 88312 if iron stain
Dept Hematology, Histology
Spec Bone marrow smears (with patient's name on frosted end), biopsy and clot in formalin
Ref N/A
Panic (high): N/A
Panic (low): N/A
Meth Wright-Giemsa stained smears
Storage Deliver immediately to Histology Lab
Setup Daily
Stat No

BONE MARROW BIOPSY

CPT 88305, 88311 (88312 if iron stain)
Dept Histology
Spec Bone core
Ref N/A
Panic (high): N/A
Panic (low): N/A
Com Must be submitted in 10% formalin (available from Histology Lab). Performed Monday through Friday; may be submitted Saturday and Sunday.
Storage Place in 10 % formalin
Setup Monday through Friday
Stat No

BRONCHIAL WASHINGS AND BRUSHINGS

CPT 88104 (Cell Block 88305, if quantity sufficient)
Dept Cytology
Spec Material collected from lung
Ref No abnormal findings.
Panic (high): N/A
Panic (low): N/A
Com Smears: immediately fixed with Cytology spray fixative or placed in 95% ethanol. Label slides with patient name in pencil on frosted side.
 Brushes: Send in 10% formalin.
 Washings: place in equal amounts of fixative or 95% ethanol if delay in submission. Specimens must be delivered immediately to Cytology Lab.
Storage See above
Setup Monday through Friday
Stat No

BUN (BLOOD UREA NITROGEN) SERUM

Profile 84250
Dept Chemistry
Spec gold SST
Ref 9-21 mg/dl
Panic (high): 75 mg/dl
Panic (low): N/A
Meth Urease
Storage Refrigerate
Setup Daily
Stat Yes

BUN (BLOOD UREA NITROGEN) URINE

Profile 84540
Dept Chemistry
Spec 24 hour urine collected on ice or kept in refrigerator
Ref 12-20 grams/24 hours
Panic (high): N/A
Panic (low): N/A
Meth Urease
Storage Refrigerate
Setup Daily
Stat No

C. DIFFICILE TOXIN

CPT 87324
Dept Microbiology
Spec Stool in plain plastic container
Ref Negative
Panic (high): N/A
Panic (low): N/A
Meth Enzyme Immunoassay

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Storage = Storage Requirements **Meth** = Method **Com** = Comments **Setup** = Testing Schedule **Stat** = Available STAT **Xref** = Cross reference
Gold SST = 5 ml serum separator tube **Plain red** = 10 ml tube **Gray** = 2 ml Na Fluoride tube **Mint Green** = 3.5 ml Li Heparin tube

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Storage Refrigerate; Freeze immediately, if
Transport is delayed >72 hours
Setup Daily
Stat No

C-REACTIVE PROTEIN (CRP)

CPT 86140
Dept Chemistry
Spec gold SST
Ref Less than or equal to 1.0 mg/dl
Panic (high): N/A
Panic (low): N/A
Meth CRP monoclonal ab HRP + phosphorylcholine beads
Storage Refrigerate
Setup Daily
Stat No
XRef CRP

CALCIUM - SERUM

CPT 82310
Dept Chemistry
Spec gold SST
Ref 8.4-10.2 mg/dl
Panic (high): 14.0 mg/dl and above
Panic (low): 7.0 mg/dl and below
Meth Arsenazo III dye
Storage Refrigerate
Setup Daily
Stat Yes

CALCIUM URINE

CPT 82340
Dept Chemistry
Spec 24 hour urine collected on ice or kept in refrigerator.
Ref 0.1-0.3 grams/24 hours
Panic (high): N/A
Panic (low): N/A
Meth Arsenazo III dye
Storage Refrigerate
Setup Daily
Stat No

CARBAMAZEPINE

CPT 80156
Dept Chemistry
Spec gold SST
Ref 4.0 – 12.0 ug/ml
Panic (high): 15 ug/ml and above
Panic (low):
Meth CRBM-Ab peroxidase conjugate

Storage Refrigerate
Setup Daily
Stat Yes
XRef Tegretol

CARBON DIOXIDE (CO2)

CPT 82374
Dept Chemistry
Spec gold SST
Ref 22-31 mmol/L
Panic (high): 40 mmol/L and above
Panic (low): 10 mmol/L and below
Meth Acetazolamide with phosphoenolpyruvate
Storage Refrigerate
Setup Daily
Stat Yes

CARDIAC PROFILE

CPT CK 82550, CK-MB 82553
Profile CK, If > 100, reflex to CK-MB
Dept Chemistry
Spec gold SST
Ref See individual test
Panic (high): N/A
Panic (low): N/A
Meth See individual test
Storage Refrigerate
Com Avoid hemolysis, If CK > 100, reflex to CK-MB
Setup Daily
Stat Yes

CBC / COMPLETE BLOOD COUNT

CPT 85027
Profile WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW, PLT, MPV
Dept Hematology
Spec 4 ml lavender top
Ref See Hematology Normal Ranges in Section I
Panic (high): See Critical Value List/Hematology Dept. in Section I
Panic (low): See Critical Value List/Hematology Dept. in Section I
Meth Coulter VCS—direct current, radio frequency, and laser light scatter
Storage Refrigerate
Setup Daily
Stat Yes
XRef Hemogram

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CBC WITH AUTO DIFF

CPT 85025
Profile WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW, PLT, MPV, Neutrophil % and #, Lymphocyte % and #, Monocyte % and #, Eosinophil % and #, Basophil % and #; Reflex to Manual Differential (CPT 85025) if Auto Diff fails "screen"
Dept Hematology
Spec 4 ml lavender top
Ref See Hematology Normal Ranges in Section I
Panic (high): See Critical Value List/Hematology Dept. in Section I
Panic (low): See Critical Value List/Hematology Dept. in Section I
Meth Coulter VCS—direct current, radio frequency, and laser light scatter
Storage Refrigerate
Setup Daily
Stat Yes

CELL COUNT (CSF)

CPT 89050
Dept Hematology
Spec Sterile, plastic tubes
Ref N/A
Panic (high): >5 WBC per mm³
Panic (low): N/A
Meth Hemacytometer, cytocentrifuge, and modified Wright stained smears
Storage Refrigerate, if unable to deliver immediately to lab
Com Deliver immediately to Hematology Department with copy of physician's orders
Setup Daily
Stat Yes

CELL COUNT, BODY FLUID (NOT CSF)

CPT 89050
Dept Hematology
Spec 5 ml EDTA - lavender top
Ref N/A
Panic (high): N/A
Panic (low): N/A
Meth Hemacytometer, cytocentrifuge, and modified Wright stained smears
Storage Refrigerate
Com Deliver immediately to Hematology Department with copy of physician's orders
Setup Daily
Stat Yes

CEREBROSPINAL FLUID FOR CYTOLOGY

CPT 88104
Dept Cytology
Spec #1 CSF tube
Ref See report
Panic (high): N/A
Panic (low): N/A
Com Send immediately to lab. If delay is unavoidable, equal volume of 95% alcohol must be added; refrigerate.
Setup Monday through Friday
Stat No

CHLAMYDIA & GC DNA Probe (Gen-Probe)

CPT 87177
Dept Chemistry
Spec Genital swab (special collection kit from Microbiology/Male & Female swabs)
Ref Negative
Panic (high): N/A
Panic (low): N/A
Meth DNA Probe
Storage Refrigerate
Setup Daily (Sent to reference lab)
Stat No

CHLORIDE (CL)

CPT 82435
Dept Chemistry
Spec gold SST
Ref 98-107 mmol/l
Panic (high): N/A
Panic (low): N/A
Meth Ion Selective Electrode
Storage Refrigerate
Setup Daily
Stat Yes

CHOLESTEROL

CPT 82465
Dept Chemistry
Spec gold SST
Ref 129-200 mg/dl
Panic (high): N/A
Panic (low): N/A
Meth Cholesterol oxidase peroxidase
Storage Refrigerate
Setup Daily
Stat Yes

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CK
CPT 82550
Dept Chemistry
Spec gold SST
Ref 37-289 u/L
Panic (high): N/A
Panic (low): N/A
Meth CP +ADP
Storage Refrigerate
Com Avoid hemolyzed specimens, deliver to lab ASAP
Setup Daily
Stat Yes
XRef Creatine Kinase

CK-MB
CPT 82553
Dept Chemistry
Spec gold SST
Ref 0.0 – 3.4 ng/ml
Panic (high): > 5.0 ng/ml
Panic (low): N/A
Meth Chemiluminescent
Storage Refrigerate
Com Must order Cardiac Profile; CK-MB is performed
 If Total CK is greater than 100
Setup Daily
Stat Yes

CORTISOL
CPT 82533
Dept Chemistry
Spec gold SST
Ref 10 am: 4.5-22.7 ug/dl; 5 pm: 1.7-14.1 ug/dl
Panic (high): N/A
Panic (low): N/A
Meth Chemiluminescent
Storage Refrigerate
Com Normal range includes only specimens drawn
 at 8 am or 4 pm
Setup Daily
Stat Yes

CREATININE, SERUM
CPT 82565
Dept Chemistry
Spec gold SST
Ref 0.5-1.4 mg/dl
Panic (high): 2.5 mg/dl and over; for
 ICU, CCU and ER only
Panic (low): N/A

Meth Creatinine amidinohydrolase
Storage Refrigerate
Setup Daily
Stat Yes

CREATININE, URINE, RANDOM

CPT 82575
Dept Chemistry
Spec 25 ml random urine
Ref N/A
Panic (high): N/A
Panic (low): N/A

Meth Creatinine amidinohydrolase
Storage Refrigerate
Setup Daily
Stat Yes

CREATININE CLEARANCE URINE

CPT 82575
Dept Chemistry
Spec 24 hour urine collected on ice or refrigerated
Ref Male: 70-135 mls/min; Female: 70-115 mls/min
Panic (high): N/A
Panic (low): N/A

Meth Creatinine amidinohydrolase
Storage Refrigerate

Com Performed on a 24 hour specimen and must have a
 serum creatinine during time of collection.

Setup Daily
Stat No

CREATININE URINE

CPT 82570
Dept Chemistry
Spec 24 hour urine collected on ice or refrigerated
Ref 1-2 grams/24 hours
Panic (high): N/A
Panic (low): N/A

Meth Creatinine amidinohydrolase
Storage Refrigerate

Setup Daily
Stat No

CRP
CPT 86140
Dept Chemistry
Spec gold SST
Ref Less than or equal to 1.0 mg/dl
Panic (high): N/A

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Panic (low): N/A
Meth CRP monoclonal Ab HRP +
 phosphorylcholine beads
Storage Refrigerate
Setup Daily
Stat No
XRef C-Reactive Protein

CRYOPRECIPITATE

CPT P9012
Dept Blood Bank
Spec N/A
Ref N/A
Panic (high): N/A
Panic (low): N/A
Meth N/A
Storage Refrigerate
Com Indicate number of units needed.
 Blood Consent required
Setup Daily
Stat Yes

CRYSTAL ANALYSIS/BODY FLUID

CPT 89060
Dept Hematology
Spec Plain red top tube, or sterile container
Ref N/A
Panic (high): N/A
Panic (low): N/A
Meth Polarized light microscopy
Storage Refrigerate
Setup Daily
Stat Yes

CRYSTAL ANALYSIS/SYNOVIAL FLUID

CPT 89060
Dept Hematology
Spec 2 ml joint fluid in a plain red top tube or
 sterile container
Ref N/A
Panic (high): N/A
Panic (low): N/A
Meth Polarized light microscopy
Storage Refrigerate
Setup Daily
Stat Yes

CULTURE – ANAEROBIC

CPT 87075
Dept Microbiology
Spec Blue top culture swab plus (with gel)
Ref No growth
Panic (high): N/A
Panic (low): N/A
Meth Identification and sensitivity
Storage Room Temp
Setup Daily
Stat No

CULTURE BLOOD

CPT 87070
Dept Microbiology
Spec Blood culture bottle set (1 pink,1 blue)
Ref No growth
Panic (high): N/A
Panic (low): N/A
Meth Manual and Automated
Storage Room Temp; Do NOT Refrigerate
Setup Daily
Stat Yes

CULTURE BODY FLUID

CPT 87070
Dept Microbiology
Spec Sterile screw-capped container or collection bottles,
Ref No growth
Panic (high): N/A
Panic (low): N/A
Meth Manual and Automated
Storage Room Temp
Setup Daily
Stat No

CULTURE CATHETER TIP

CPT 87070
Dept Microbiology
Spec Tip in sterile screw-capped container
Ref No growth
Panic (high): N/A
Panic (low): N/A
Meth Manual and Automated
Storage Room Temp
Setup Daily
Stat No

Profile = Tests included **CPT** = CPT Code **Dept** = Department **Spec** = Specimen Requirement **Ref** = Reference Range **Meth** = Method
Storage = Storage Requirements **Meth** = Method **Com** = Comments **Setup** = Testing Schedule **Stat** = Available STAT **Xref** = Cross reference
Gold SST = 5 ml serum separator tube **Plain red** = 10 ml tube **Gray** = 2 ml Na Fluoride tube **Mint Green** = 3.5 ml Li Heparin tube

Master Test List

CULTURE CSF

CPT 87070
Dept Microbiology
Spec CSF in special collection tube in kit
Ref No growth
Panic (high): N/A
Panic (low): N/A
Meth Manual and Automated
Storage Room temp; Do **NOT** refrigerate
Setup Daily
Stat Yes

CULTURE EAR

CPT 87070
Dept Microbiology
Spec Culturette Swab (white or red top)
Ref No growth or normal skin flora
Panic (high): N/A
Panic (low): N/A
Meth Manual and Automated
Storage Room Temp
Setup Daily
Stat No

CULTURE EYE

CPT 87070
Dept Microbiology
Spec Culturette Swab (white top or red top)
 Red top culture swab, if tiny area is cultured
Ref No growth or normal skin flora
Panic (high): N/A
Panic (low): N/A
Meth Manual and Automated
Storage Room Temp
Setup Daily
Stat No

CULTURE G.C.

CPT 87081
Dept Microbiology
Spec Jembec plate; request as needed from Microbiology
Ref No G.C. isolated
Panic (high): N/A
Panic (low): N/A
Meth Manual and Automated
Storage Room Temp
Setup Daily
Stat No

CULTURE GENITAL

CPT 87070
Dept Microbiology
Spec Culturette swab (white or red top)
Ref Normal genital flora
Panic (high): N/A
Panic (low): N/A
Meth Manual and Automated
Storage Room Temp
Setup Daily
Stat No

CULTURE GENITAL – GBS ONLY

CPT 87081
Dept Microbiology
Spec Culturette Swab (white or red top)
Ref No GBS
Panic (high): N/A
Panic (low): N/A
Meth Manual and Automated
Storage Room Temp
Setup Daily
Stat No

CULTURE NARE

CPT 87070
Dept Microbiology
Spec Culture Swab (white or red top)
Ref No growth or normal flora
Panic (high): N/A
Panic (low): N/A
Meth Manual and Automated
Storage Room Temp
Setup Daily
Stat No

CULTURE PD FLUID

CPT 87070
Dept Microbiology
Spec Minimum 50 ml fluid in sterile screw-capped container or two yellow SPS tubes and one plain red top tube
Ref No growth
Panic (high): N/A
Panic (low): N/A
Meth Manual and Automated
Storage Room Temp
Setup Daily
Stat No

Profile = Tests included **CPT** = CPT Code **Dept** = Department **Spec** = Specimen Requirement **Ref** = Reference Range **Meth** = Method
Storage = Storage Requirements **Meth** = Method **Com** = Comments **Setup** = Testing Schedule **Stat** = Available STAT **Xref** = Cross reference
Gold SST = 5 ml serum separator tube **Plain red** = 10 ml tube **Gray** = 2 ml Na Fluoride tube **Mint Green** = 3.5 ml Li Heparin tube

Master Test List

CULTURE RESPIRATORY

CPT 87070
Dept Microbiology
Spec Sterile screw-capped container or E-T tube
Ref Normal flora
Panic (high): N/A
Panic (low): N/A
Meth Manual and Automated
Storage Room Temp
Setup Daily
Stat No

CULTURE STOOL

CPT 87045
Dept Microbiology
Spec Use the single, screw cap transport Vial (Cary Blair)
Ref No pathogens
Panic (high): N/A
Panic (low): N/A
Meth Manual and Automated
Storage Room Temp
Setup Daily
Stat No

CULTURE THROAT - FULL

CPT 87060
Dept Microbiology
Spec Culturette swab (white or red top)
Ref Normal flora
Panic (high): N/A
Panic (low): N/A
Meth Manual and Automated
Storage Room Temp
Setup Daily
Stat No

CULTURE THROAT – STREP ONLY

CPT 87081
Dept Microbiology
Spec Culturette swab (white or red top)
Ref No beta strep
Panic (high): N/A
Panic (low): N/A
Meth Manual and Automated
Storage Room Temp
Setup Daily
Stat No

CULTURE URINE

CPT 87086
Dept Microbiology
Spec Sterile transport vial with preservative or sterile screw-capped container if kept refrigerated
Ref No growth
Panic (high): N/A
Panic (low): N/A
Meth Manual and Automated
Storage Room Temp
Setup Daily
Stat No

CULTURE WOUND

CPT 87070
Dept Microbiology
Spec Culture Swab or Tissue in sterile screw-capped container.
Ref No growth
Panic (high): N/A
Panic (low): N/A
Meth Manual and Automated
Storage Room Temp
Setup Daily
Stat No

CYTOLOGY STUDY / FLUID

CPT 88104, 88108; (Cell Block 88305, if quantity sufficient)
Dept Cytology
Spec Pleural, abdominal, or any other body cavity fluid
Ref No abnormal findings.
Panic (high): N/A
Panic (low): N/A
Meth Cytologic / Microscopic study
Storage If delay, remove portion of fluid, and add equal Amount of 95% alcohol to fluid & refrigerate
Com If possible, entire collection should be sent.
Setup Monday through Friday
Stat No
X Ref Body Fluid for Cytology, Fluid for Cytology

DAT

CPT 86880
Dept Blood Bank
Spec 7ml lavender, hand labeled with full name, MR #, date, time and initials
Ref N/A
Panic (high): N/A
Panic (low): N/A

Profile = Tests included **CPT** = CPT Code **Dept** = Department **Spec** = Specimen Requirement **Ref** = Reference Range **Meth** = Method
Storage = Storage Requirements **Meth** = Method **Com** = Comments **Setup** = Testing Schedule **Stat** = Available STAT **Xref** = Cross reference
Gold SST = 5 ml serum separator tube **Plain red** = 10 ml tube **Gray** = 2 ml Na Fluoride tube **Mint Green** = 3.5 ml Li Heparin tube

Master Test List

Meth
Storage Refrigerate
Setup Daily
Stat Yes
XRef Direct Coombs, Direct Antibody Test, Direct Antiglobulin Test

D-Dimer

CPT 85379
Dept Hematology
Spec 4 ml lavender top
Ref ≤ 400 ng/mL
Panic (high): N/A
Panic (low): N/A

Meth Fluorescent immunoassay
Storage Test within 24 hours
Setup Daily
Stat Yes

DEPAKENE

CPT 80164
Dept Chemistry
Spec gold SST
Ref 50-125 ug/ml
Panic (high): 125 ug/ml and above
Panic (low): N/A

Meth Fluorescence Polarization Immunoassay
Storage Refrigerate
Setup Daily
Stat Yes
XRef Depakote, Valproic acid

DEPAKOTE

CPT 80164
Dept Chemistry
Spec gold SST
Ref 50-125 ug/ml
Panic (high): 125 ug/ml and above
Panic (low): N/A

Meth Valp/Glucose-6-Phosphate dehydrogenase
Storage Refrigerate
Setup Daily
Stat Yes
XRef Depakene, Valproic acid

DIGOXIN

CPT 80162
Dept Chemistry
Spec gold SST
Ref 0.5-2.0 ng/ml
Panic (high): 2.0 ng/ml and above
Panic (low): N/A

Meth Dig-Ab/peroxidase conjugate
Storage Refrigerate
Com Digibind will cause interference
Setup Daily
Stat Yes
XRef Lanoxin

DILANTIN (PHENYTOIN)

CPT 80185
Dept Chemistry
Spec plain red top
Ref 10-20 ug/ml
Panic (high): 30 ug/ml and above
Panic (low): N/A

Meth Phenytoin peroxidase conjugate
Storage Refrigerate
Com Aliquot serum into separate vial
Setup Daily
Stat Yes
XRef Phenytoin

DIRECT ANTIBODY TEST

CPT 86880
Dept Blood Bank
Spec 7 ml lavender, hand labeled with full name, MR#, date, time and initials
Ref N/A
Panic (high): N/A
Panic (low): N/A

Storage Refrigerate
Setup Daily
Stat Yes
XRef Direct Coombs, DAT, Direct Antiglobulin Test

DIRECT ANTIGLOBULIN TEST

CPT 86880
Dept Blood Bank
Spec 7 ml lavender, hand labeled with full name, MR#, date, time and initials
Ref N/A
Panic (high): N/A
Panic (low): N/A

Profile = Tests included CPT = CPT Code Dept = Department Spec = Specimen Requirement Ref = Reference Range Meth = Method
Storage = Storage Requirements Meth = Method Com = Comments Setup = Testing Schedule Stat = Available STAT Xref = Cross reference
Gold SST = 5 ml serum separator tube Plain red = 10 ml tube Gray = 2 ml Na Fluoride tube Mint Green = 3.5 ml Li Heparin tube

Master Test List

Storage Refrigerate
Setup Daily
Stat Yes
XRef Direct Coombs, Direct Antibody Test, DAT

DIRECT COOMBS

CPT 86880
Dept Blood Bank
Spec 7 ml lavender, hand labeled with full name, MR#, date, time and initials
Ref N/A
Panic (high): N/A
Panic (low): N/A

Storage Refrigerate
Setup Daily
Stat Yes
XRef Direct Antibody Test, DAT, Direct Antiglobulin Test

ELECTROLYTE PANEL

CPT 80051
Profile Sodium, potassium, chloride, CO₂
Dept Chemistry
Spec gold SST
Ref See individual test
Panic (high): See individual tests
Panic (low): See individual tests

Meth See individual test

Storage Refrigerate
Com Avoid hemolysis
Setup Daily
Stat Yes
XRef AMA Electrolyte Panel

ERYTHROCYTE SEDIMENTATION RATE

CPT 85651
Dept Hematology
Spec 4 ml lavender top
Ref Male: 0-15 mm/hr; Female: 0-20 mm/hr
Panic (high): N/A
Panic (low): N/A

Meth Modified Westergren

Storage Refrigerate
Setup Daily
Stat Yes
XRef ESR, Sed rate

ESR
CPT 85651
Dept Hematology
Spec 4 ml lavender top
Ref Male: 0-15 mm/hr; Female: 0-20 mm/hr

Panic (high): N/A
Panic (low): N/A

Meth Modified Westergren
Storage Refrigerate
Setup Daily
Stat Yes
XRef Erythrocyte Sedimentation Rate, Sed rate

ETHANOL

CPT 82055
Dept Chemistry
Spec gold SST or plain red top tube
Ref 0 mg/dl

Panic (high): N/A
Panic (low): N/A

Meth Acetaldehyde-TRIS complex
Storage Refrigerate
Com Do not pop top on tube or pour off tube into any other tube. Do not expose to air. Do not use alcohol prep to draw.

Setup Daily
Stat Yes
XRef Alcohol

FDP

CPT 85362
Dept Hematology
Spec FDP tube (obtained from hematology)
Ref Normal range <10 µgm/ML

Panic (high): N/A
Panic (low): N/A

Meth Latex agglutination
Storage Centrifuge and refrigerate
Setup Daily
Stat Yes
XRef Fibrin Degradation Products, Fibrin Split Products

FEMALE GENITAL TRACT PAP SMEAR

CPT 88164
Dept Cytology
Spec Cervix/vaginal smears
Ref See report

Panic (high): N/A
Panic (low): N/A

Meth Microscopy

Profile = Tests included **CPT** = CPT Code **Dept** = Department **Spec** = Specimen Requirement **Ref** = Reference Range **Meth** = Method
Storage = Storage Requirements **Meth** = Method **Com** = Comments **Setup** = Testing Schedule **Stat** = Available STAT **Xref** = Cross reference
Gold SST = 5 ml serum separator tube **Plain red** = 10 ml tube **Gray** = 2 ml Na Fluoride tube **Mint Green** = 3.5 ml Li Heparin tube

Master Test List

Storage Slides must be immediately fixed with cytospray or immersed in 95% alcohol. Slides must be labeled with patient name in pencil on frosted end of slide. LMP and pertinent history must be included.

Setup Monday through Friday

Stat No

XRef Pap Smear

FERRITIN

CPT 82728

Dept Chemistry

Spec gold SST

Ref Male: 17.9-464.0 ng/ml

Females: 0-49 yrs: 6.2-137.0 ng/ml

< 50 yrs: 11.1-264.0 ng/dl

Panic (high): N/A

Panic (low): N/A

Meth Chemiluminescent

Storage Refrigerate

Setup 2 x per week

Stat No

FFP

CPT P9017 or P9059

Dept Blood Bank

Spec N/A

Ref N/A

Panic (high): N/A

Panic (low): N/A

Meth N/A

Storage N/A

Com Indicate number of units needed. ABO/Rh prior to administration. Blood Consent required.

Setup Daily

Stat Yes

XRef Fresh Frozen Plasma

FIBRIN DEGRADATION PRODUCTS

CPT 85362

Dept Hematology

Spec FDP tube (obtained from hematology)

Ref Normal range <10 µgm/ML

Panic (high): N/A

Panic (low): NA

Meth Latex agglutination

Storage Centrifuge and refrigerate

Setup Daily

Stat Yes

XRef FDP, Fibrin Split Products

FIBRIN SPLIT PRODUCTS

CPT 85362

Dept Hematology

Spec FDP tube (obtained from hematology)

Ref Normal range <10 µgm/ML

Panic (high): N/A

Panic (low): N/A

Meth Latex agglutination

Storage Centrifuge and refrigerate

Setup Daily

Stat Yes

XRef FDP, Fibrin Degradation Products

FIBRINOGEN

CPT 85384

Dept Hematology

Spec 2.7 ml blue top containing 3.2% sodium citrate

Ref 200-400 mg/dl

Panic (high):

Panic (low):

Meth Ortho QFA, MLA 1400C

Storage Centrifuge and refrigerate

Com Tube must be filled adequately (3/4 full) to prevent test result errors due to dilution of blood with excessive anticoagulant or undercoagulation

Setup Daily

Stat Yes

FINE NEEDLE ASPIRATION

CPT 88170, 88305

Dept Cytology (and cell block if quantity is sufficient)

Spec Aspiration of any organ

Ref No abnormal findings

Panic (high): N/A

Panic (low): N/A

Meth N/A

Storage See Comments below

Com 1) One to two slides should be air-dried. All other slides are to be immediately fixed with cytospray or immersed in 95% alcohol. Label with patient name in pencil on frosted side. When material is sufficient, syringes should be rinsed in container of Saccomanno fixative for cell block preparation.
2) Must be scheduled at least 24 hours in advance with Cytology Department if pathologist/cytotech are required at bedside (or in Radiology).

Setup Monday through Friday

Stat Yes

Profile = Tests included CPT = CPT Code Dept = Department Spec = Specimen Requirement Ref = Reference Range Meth = Method
Storage = Storage Requirements Meth = Method Com = Comments Setup = Testing Schedule Stat = Available STAT Xref = Cross reference
Gold SST = 5 ml serum separator tube Plain red = 10 ml tube Gray = 2 ml Na Fluoride tube Mint Green = 3.5 ml Li Heparin tube

Master Test List

FLUID FOR CYTOLOGY

CPT 88104, 88108; (Cell Block 88305, if quantity sufficient)
Dept Cytology
Spec Pleural, abdominal, or any other body cavity fluid
Ref No abnormal findings.
Panic (high): N/A
Panic (low): N/A
Meth Cytologic / Microscopic study
Storage If delay, remove portion of fluid, and add equal Amount of 95% alcohol to fluid & refrigerate
Com If possible, entire collection should be sent.
Setup Monday through Friday
Stat No
X Ref Body Fluid for Cytology, Cytology / Fluid

Panic (low): N/A
Meth N/A
Storage Deliver to Histology Dept immediately
Com Notify Pathology or Histology in advance.
Setup Notify Pathology or Histology in advance.
Stat Yes

GASTRIC, ESOPHAGEAL BRUSHINGS

CPT 88160 (slides only)
Dept Cytology
Spec Slides from brush material
Ref No abnormal findings
Panic (high): N/A
Panic (low): N/A
Meth N/A
Storage Room Temp
Com Slides must be immediately fixed with cytospray or by immersion in 95% alcohol. Label slides with patient name in pencil on frosted side.
Setup Monday through Friday
Stat Yes

FOLATE / FOLIC ACID

CPT 82746
Dept Chemistry
Spec gold SST
Ref Male: 7.2 – 15.4 ng/ml
 Female: 2.8 – 20.0 ng/ml
Panic (high): N/A
Panic (low): N/A
Meth Chemiluminescent
Storage Refrigerate; protect from light
Setup Mon - Fri
Stat No

GENTAMICIN

CPT 80170
Dept Chemistry
Spec gold SST
Ref Therapeutic level: 4-10 mcg/ml
Panic (high): Toxic peak: >12.0 mcg/ml
 Toxic trough: >2.0 mcg/ml
Panic (low): N/A
Meth Gentamicin glucose-6-phosphate-dehydrogenase conjugate
Storage Refrigerate
Com No normal ranges for random specimens. Trough is drawn 15 minutes prior to dose and peak drawn 30 minutes after IV dose and one hour after IM dose.
Setup Daily
Stat Yes

FRESH FROZEN PLASMA

CPT P9017 or P9059
Dept Blood Bank
Spec N/A
Panic (high): N/A
Panic (low): N/A
Meth N/A
Storage N/A
Com Indicate number of units needed. ABO/Rh prior to administration. Blood Consent required
Setup Daily
Stat Yes
XRef FFP

GGTP (Gama-glutamyltransferase)

CPT 82977
Dept Chemistry
Spec gold SST
Ref 8-78 u/L
Panic (high): N/A
Panic (low): N/A
Meth L-gamma-glutamyl P-nitroanilide + glycylglycine
Storage Refrigerate
Com Avoid hemolyzed specimens, avoid glycerol or soap

FROZEN SECTION

CPT 88331
Dept Histology
Spec Fresh tissue
Ref N/A
Panic (high): N/A

Profile = Tests included **CPT** = CPT Code **Dept** = Department **Spec** = Specimen Requirement **Ref** = Reference Range **Meth** = Method
Storage = Storage Requirements **Meth** = Method **Com** = Comments **Setup** = Testing Schedule **Stat** = Available STAT **Xref** = Cross reference
Gold SST = 5 ml serum separator tube **Plain red** = 10 ml tube **Gray** = 2 ml Na Fluoride tube **Mint Green** = 3.5 ml Li Heparin tube

Master Test List

Setup Daily
Stat Yes

GLUCOSE CSF

CPT 82947
Dept Chemistry
Spec CSF collected by physician
Ref 40-70 mg/dl
Panic (high): N/A
Panic (low): N/A

Meth Glucose oxidase peroxidase
Storage Refrigerate
Setup Daily
Stat Yes

GLUCOSE SERUM

CPT 82947
Dept Chemistry
Spec gold SST
Ref 70-110 mg/dl
Panic (high): 500 mg/dl and above; 400 mg/dl and above for ICU/CCU
Panic (low): 50 mg/dl and below
60 mg/dl and below for ICU,CCU

Meth Glucose oxidase peroxidase
Storage Refrigerate
Com Order stat to verify Accucheck's greater than 400 or as per physician order.
Setup Daily
Stat Yes

GLUCOSE URINE

CPT 82947
Dept Chemistry
Spec 24 hour collection on ice or refrigerated
Ref Less than 500 mg/dl
Panic (high): N/A
Panic (low): N/A

Meth Glucose oxidase peroxidase
Storage Refrigerate
Setup Daily
Stat No

GLYCOHEMOGLOBIN A1C

CPT 83036
Dept Chemistry
Spec 2.7 ml lavender top
Ref See report.
Panic (high): N/A
Panic (low): N/A

Meth HPLC
Storage Refrigerate
Setup Five times/week
Stat No

GRAM STAIN

CPT 87025
Dept Microbiology
Spec As submitted
Ref No bacteria seen
For stool: No WBCs seen
Panic (high): N/A
Panic (low): N/A

Meth Conventional stain
Storage Room Temp
Setup Daily
Stat Yes

GUAIAIC STOOL

CPT 82270
Dept Microbiology
Spec Hemocult Test Cards
Ref Negative
Panic (high): N/A
Panic (low): N/A

Meth Guaiac
Storage Room Temp
Setup Daily
Stat Yes
XRef Occult Blood

HDL

CPT 83718
Dept Chemistry
Spec gold SST
Ref 30-70 mg/dl
Panic (high): N/A
Panic (low): N/A

Meth Cholesterol ester hydrolase
Storage Refrigerate
Com Recommend fasting specimen
Setup Daily
Stat No
XRef High Density Lipoprotein

Hemoglobin and Hematocrit (H&H)

CPT 85014
Dept Hematology
Spec 4 ml lavender top
Ref See Hematology Normal Ranges in Section I

Profile = Tests included **CPT** = CPT Code **Dept** = Department **Spec** = Specimen Requirement **Ref** = Reference Range **Meth** = Method
Storage = Storage Requirements **Meth** = Method **Com** = Comments **Setup** = Testing Schedule **Stat** = Available STAT **Xref** = Cross reference
Gold SST = 5 ml serum separator tube **Plain red** = 10 ml tube **Gray** = 2 ml Na Fluoride tube **Mint Green** = 3.5 ml Li Heparin tube

Master Test List

Panic (high): See Critical Value List/Hematology Dept in Section I
Panic (low): See Critical Value List/Hematology Dept in Section I

Meth Coulter VCS
Storage Refrigerate
Setup Daily
Stat Yes

HEPARIN PROTOCOL (APTT, Patient on Heparin)

CPT 85730
Dept Hematology
Spec 2.7 ml blue top containing 3.2% sodium citrate
Ref See report
Panic (high): > 85 seconds
Panic (low): N/A

Meth Photo-optical clot detection
Storage Centrifuge, aliquot and refrigerate plasma
Com Tube must be filled adequately (3/4 full) to prevent test result errors due to dilution of blood with excessive anticoagulant or underanticoagulation.
Setup Daily
Stat Yes

HEPATITIS ACUTE PROFILE

CPT 80074
Profile Hepatitis B surface antigen, hepatitis A antibody-IgM, hepatitis B core antibody IgM, hepatitis C antibody
Dept Chemistry
Spec Large SST tube
Ref See separate tests
Panic (high): See separate tests
Panic (low): See separate tests

Meth See individual test
Storage Refrigerate
Setup Mon, Tues, Thurs, Fri
Stat No

HEPATITIS A ANTIBODY IGM

CPT 86709
Dept Chemistry
Spec gold SST
Ref Negative
Panic (high): N/A
Panic (low): N/A

Meth Chemiluminescent
Storage Refrigerate

Setup Mon, Tues, Thurs, Fri
Stat No

HEPATITIS B ANTIBODY (HBSAB)

CPT 86706
Dept Chemistry
Spec gold SST
Ref Negative (positive if vaccinated)
Panic (high): N/A
Panic (low): N/A

Meth Chemiluminescent
Storage Refrigerate
Setup Mon, Tues, Thurs, Fri
Stat No

HEPATITIS B CORE ANTIBODY IGM

CPT 86705
Dept Chemistry
Spec gold SST
Ref Negative
Panic (high): N/A
Panic (low): N/A

Meth Chemiluminescent
Storage Refrigerate
Setup Mon, Tues, Thurs, Fri
Stat No

HEPATITIS B SURFACE ANTIGEN (HBSAG)

CPT 87340
Dept Chemistry
Spec gold SST
Ref Negative
Panic (high): Positive
Panic (low): N/A

Meth Chemiluminescent
Storage Refrigerate
Setup Mon, Tues, Thurs, Fri
Stat No

HIGH DENSITY LIPOPROTEIN (HDL)

CPT 83718
Dept Chemistry
Spec gold SST
Ref 30-70 mg/dl
Panic (high): N/A
Panic (low): N/A

Meth Cholesterol ester hydrolase
Storage Refrigerate
Com Recommend fasting specimen

Profile = Tests included **CPT** = CPT Code **Dept** = Department **Spec** = Specimen Requirement **Ref** = Reference Range **Meth** = Method
Storage = Storage Requirements **Meth** = Method **Com** = Comments **Setup** = Testing Schedule **Stat** = Available STAT **Xref** = Cross reference
Gold SST = 5 ml serum separator tube **Plain red** = 10 ml tube **Gray** = 2 ml Na Fluoride tube **Mint Green** = 3.5 ml Li Heparin tube

Master Test List

Setup Daily
Stat No
XRef HDL

HIV ANTIBODY TEST

Call Microbiology x 18192 or Lab Central x 18186
 for paperwork and special instructions

HOMOCYSTEINE

CPT 83090
Dept Chemistry
Spec gold SST
Ref Male: < 13 umol/L
 Female: < 12 umol/L
Panic (high): N/A
Panic (low): N/A
Meth Pyruvate Reduction
Storage Refrigerate
Setup 2 x / week
Stat No

INDIRECT COOMBS

CPT 86850
Dept Blood Bank
Spec 7 ml lavender top, hand-labeled, with name, MR#,
 date, time and collector initials
Ref N/A
Panic (high): N/A
Panic (low): N/A
Meth
Storage Refrigerate
Com Part of Type & Screen
Setup Daily
Stat Yes

IRON (Fe)

CPT 83540
Dept Chemistry
Spec gold SST
Ref Male: 49-175 ug/Dl; Female: 37-170 ug/Dl
Panic (high): N/A
Panic (low): N/A
Meth Pyridylazo dye
Storage Refrigerate
Com Avoid hemolyzed specimens. If ordered with TIBC,
 done three times per week.
Setup Daily
Stat Yes

K (Potassium)

CPT 84132
Dept Chemistry
Spec gold SST
Ref 3.5-5.0 mmol/L
Panic (high): 6.0 mmol/L and above
Panic (low): 2.8 mmol/L and below
Meth Ion Selective Electrode
Storage Refrigerate
Com Specimen must not be hemolyzed
Setup Daily
Stat Yes
XRef Potassium

KETONES-SERUM

CPT 82010
Dept Chemistry
Spec gold SST
Ref Negative
Panic (high): N/A
Panic (low): N/A
Meth Acetest tablet
Storage Refrigerate
Com Specimens should not be hemolyzed.
Setup Daily
Stat Yes
XRef Acetone Serum

KIDNEY BIOPSY

CPT 88325 x 3, 88346, 88348
Dept Histology
Spec Fresh tissue brought to lab immediately on saline
 pad.
Ref N/A
Panic (high): N/A
Panic (low): N/A

Meth

Storage Submit immediately Histology Laboratory
Com Schedule at least 48 hours in advance. Submit with
 History and Physical.
Setup Monday through Thursday.
Stat No
XRef Renal Biopsy

LACTATE DEHYDROGENASE (LDH)

CPT 83615
Dept Chemistry
Spec gold SST
Ref 313-618 u/L
Panic (high): N/A

Profile = Tests included **CPT** = CPT Code **Dept** = Department **Spec** = Specimen Requirement **Ref** = Reference Range **Meth** = Method
Storage = Storage Requirements **Meth** = Method **Com** = Comments **Setup** = Testing Schedule **Stat** = Available STAT **Xref** = Cross reference
Gold SST = 5 ml serum separator tube **Plain red** = 10 ml tube **Gray** = 2 ml Na Fluoride tube **Mint Green** = 3.5 ml Li Heparin tube

Master Test List

Panic (low): N/A
Meth Pyruvate + NADH (dec in NADH)
Storage Refrigerate
Com Avoid hemolyzed and frozen samples
Setup Daily
Stat Yes

LACTIC ACID

CPT 83605
Dept Chemistry
Spec 2 ml gray top (Na Fluoride) tube on ice
Ref 0.9-2.1 mmol/L
Panic (high): N/A
Panic (low): N/A
Meth Lactate oxidase
Storage Transport on ice
Setup Daily
Stat Yes

LIPASE

CPT 83690
Dept Chemistry
Spec gold SST
Ref 23-300 u/L
Panic (high): N/A
Panic (low): N/A
Meth 1-oleoyl 2,3-diacetyl glycerol
Storage Refrigerate
Com Avoid soap or glycerol contaminaton
Setup Daily
Stat Yes

LIPID PROFILE

CPT See individual tests
Profile Cholesterol, triglyceride, HDL, LDL, Chol/HDL ratio
Dept Chemistry
Spec gold SST
Ref See individual test
Panic (high): N/A
Panic (low): N/A
Meth See individual test
Storage Refrigerate
Com Fasting specimen preferred
Setup Daily
Stat Yes

LITHIUM

CPT 80178
Dept Chemistry
Spec gold SST
Ref 0.5 1.5 mmol/L
Panic (high): 2.0 mmol/L and above
Panic (low): N/A
Meth Crown-ether chromophore
Storage Refrigerate
Setup Daily
Stat Yes

LYME ANTIBODY

CPT 86317
Dept Microbiology
Spec gold SST
Ref Negative
Panic (high): Positive or equivocal
Panic (low): N/A
Meth Enzyme Immunoassay
Storage Refrigerate
Com Positive or equivocal automatically referred for Western Blot
Setup Twice a week
Stat No

LYMPH NODE FOR IMPRINTS

Profile 88329
Dept Histology
Spec Lymph node
Ref N/A
Panic (high): N/A
Panic (low): N/A
Meth N/A
Storage Submit immediately to laboratory
Com Submit whole specimen on saline pad in sterile container.
Setup Mon – Fri/day shift; Call Histology to schedule, if needed outside of the setup days/hours
Stat Yes
XRef Touch Preps

MAGNESIUM (Mg)

CPT 83735
Dept Chemistry
Spec gold SST
Ref 1.6-2.3 mg/dl
Panic (high): 3.0 mg/dl and above
Panic (low): 1.0 mg/dl and below
Meth Formazan dye

Profile = Tests included **CPT** = CPT Code **Dept** = Department **Spec** = Specimen Requirement **Ref** = Reference Range **Meth** = Method
Storage = Storage Requirements **Meth** = Method **Com** = Comments **Setup** = Testing Schedule **Stat** = Available STAT **Xref** = Cross reference
Gold SST = 5 ml serum separator tube **Plain red** = 10 ml tube **Gray** = 2 ml Na Fluoride tube **Mint Green** = 3.5 ml Li Heparin tube

Master Test List

Storage Refrigerate
Com Avoid hemolyzed samples
Setup Daily
Stat Yes

MALARIA PREPS

CPT 87207
Dept Hematology
Spec 4 ml lavender top
Ref Negative
Panic (high): Presence of malaria parasites
Panic (low): N/A
Meth Microscopic examination of Giemsa stained smears
Storage Refrigerate
Com For optimal specimen, draw during or shortly after febrile episode. Smears from blood specimen excepted any time.
Setup Daily
Stat Yes

MONO TEST

CPT 96308
Dept Microbiology
Spec gold SST
Ref Negative
Panic (high): N/A
Panic (low): N/A
Meth Latex agglutination
Storage Refrigerate
Setup Daily
Stat Yes

MUMPS, IgG

CPT 86735
Dept Microbiology
Spec gold SST
Ref Positive
Panic (high): N/A
Panic (low): N/A
Meth Enzyme immunoassay
Storage Refrigerate
Setup 2 x / week
Stat No

MUSCLE BIOPSY

CPT Variable
Dept Histology
Spec Fresh tissue on saline pad;
 Deliver immediately to lab
Ref Positive

Panic (high): N/A
Panic (low): N/A
Meth Enzyme histo-chemistry
Storage Submit immediately to Histology Lab
Com Schedule at least 48 hours in advance;
 Submit with History & Physical
Setup Reference lab, Mon – Thurs (9AM-2PM)
Stat No

NH3

CPT 82140
Dept Chemistry
Spec Mint green top tube on ice
Ref 9-33 umol/L
Panic (high): N/A
Panic (low): N/A
Meth Bromphenol blue
Storage Transport on ice to lab immediately
Com Must be on ice and brought immediately to the laboratory.
Setup Daily
Stat Yes
XRef Ammonia

NEONATAL BILIRUBIN

CPT 82247
Dept Chemistry
Spec gold SST or amber fingerstick serum separator
Ref 1.0 – 10.5 mg/dl (0-14 days only)
Panic (high): greater than 12.0
Panic (low): N/A
Meth Azobilirubin chromophores
Storage Protect from light
Com Avoid hemolyzed samples
Setup Daily
Stat Yes

NORMAL SERUM ALBUMIN

CPT P9047
Dept Blood Bank
Spec N/A
Ref N/A
Panic (high): N/A
Panic (low): N/A
Meth
Storage N/A
Com Blood Consent required

Profile = Tests included **CPT** = CPT Code **Dept** = Department **Spec** = Specimen Requirement **Ref** = Reference Range **Meth** = Method
Storage = Storage Requirements **Meth** = Method **Com** = Comments **Setup** = Testing Schedule **Stat** = Available STAT **Xref** = Cross reference
Gold SST = 5 ml serum separator tube **Plain red** = 10 ml tube **Gray** = 2 ml Na Fluoride tube **Mint Green** = 3.5 ml Li Heparin tube

Master Test List

Setup Daily
Stat Yes
XRef NSA, Salt Poor Albumin

NSA

CPT P9047
Dept Blood Bank
Spec N/A
Ref N/A
Panic (high): N/A
Panic (low): N/A

Meth
Storage N/A
Com Blood Consent required
Setup Daily
Stat Yes
XRef Normal Serum Albumin, Salt Poor Albumin

OCCULT BLOOD

CPT 82270
Dept Microbiology
Spec Stool
Ref Negative
Panic (high): N/A
Panic (low): N/A

Meth Hemocult
Storage Refrigerate
Setup Daily
Stat Yes
XRef Guaiac, Stool

OSMOLARITY/OSMOLALITY SERUM

CPT 83930
Dept Chemistry
Spec gold SST
Ref 280-295 mosm/L
Panic (high): 350 mosm/L and above
Panic (low): N/A

Meth Freezing point depression
Com Deliver to lab ASAP
Setup Daily
Stat Yes

OSMOLARITY/OSMOLALITY URINE

CPT 83935
Dept Chemistry
Spec random urine
Ref 500-800 mosm/L
Panic (high): N/A

Panic (low): N/A
Meth Freezing point depression
Com Deliver to lab ASAP
Setup Daily
Stat Yes

PATHOLOGY SPECIMEN

CPT Based on specimen complexity
Dept Histology
Spec Tissue specimen
Ref N/A
Panic (high): N/A
Panic (low): N/A
Meth
Storage As below
Com Submit in 10% formalin (available from Histology Lab). Performed Monday through Friday. May be submitted anytime in formalin.
Setup Monday through Friday
Stat No
XRef Tissue Examination

PERCENT SATURATION

CPT N/A
Dept Chemistry
Spec 10 ml marble top tube
Ref 20-25%
Panic (high): N/A
Panic (low): N/A

Meth See Fe/TIBC
Storage Refrigerate
Com Must have iron and TIBC to calculate this test.
Setup Three times per week.
Stat No
XRef Transferrin Saturation

pH – Fluid

CPT 83986
Dept Hematology
Spec Fluid in plain tube with no preservative or anticoagulant
Ref N/A
Panic (high): N/A
Panic (low): N/A

Meth Visual reagent strip
Storage Refrigerate

Profile = Tests included **CPT** = CPT Code **Dept** = Department **Spec** = Specimen Requirement **Ref** = Reference Range **Meth** = Method
Storage = Storage Requirements **Meth** = Method **Com** = Comments **Setup** = Testing Schedule **Stat** = Available STAT **Xref** = Cross reference
Gold SST = 5 ml serum separator tube **Plain red** = 10 ml tube **Gray** = 2 ml Na Fluoride tube **Mint Green** = 3.5 ml Li Heparin tube

Master Test List

Setup Daily
Stat Yes

PHENOBARBITOL

CPT 80184
Dept Chemistry
Spec gold SST
Ref 15-40 ug/ml
Panic (high): 50 ug/ml and above
Panic (low): N/A
Meth PHBR-Ab/peroxidase conjugate
Storage Refrigerate
Setup Daily
Stat Yes
XRef

PHENYTOIN

CPT 80185
Dept Chemistry
Spec plain red top
Ref 10-20 ug/ml
Panic (high): 30 ug/ml and above
Panic (low): N/A
Meth Pheyntoin peroxidase conjugate
Storage Refrigerate
Com Aliquot serum into separate vial
Setup Daily
Stat Yes
XRef Dilantin (Phenytoin)

PHOSPHORUS-SERUM

CPT 84100
Dept Chemistry
Spec gold SST
Ref 2.5-4.5 mg/dl
Panic (high): N/A
Panic (low): 1.5 mg/dl and below
Meth Ammonium molybdate
Storage Refrigerate
Com Avoid hemolyzed samples
Setup Daily
Stat Yes

PHOSPHORUS-URINE

CPT 84105
Dept Chemistry
Spec 24 hour urine collection on ice or kept refrigerated
Ref 0.35-1.0 grams/24 hours
Panic (high): N/A
Panic (low): N/A

Meth Ammonium molybdate
Storage Refrigerate
Com Avoid hemolyzed samples
Setup Daily
Stat No

PLATELET PHERESIS

CPT Possible codes: P9035,P9055,P9037,P9034,P9036
Dept Blood Bank
Spec N/A
Ref N/A
Panic (high): N/A
Panic (low): N/A
Meth
Com Indicate number of units needed. ABO/Rh prior to administration. Blood Consent required
Setup Daily
Stat Yes
XRef Single Donor Platelets

POTASSIUM (K)

CPT 84132
Dept Chemistry
Spec gold SST
Ref 3.5-5.0 mmol/L
Panic (high): 6.0 mmol/L and above
Panic (low): 2.8 mmol/L and below
Meth Ion Selective Electrode
Storage Refrigerate
Com Specimen must not be hemolyzed
Setup Daily
Stat Yes
XRef K

POTASSIUM-URINE

CPT 84133
Dept Chemistry
Spec Timed or random urine specimen
Ref No normal ranges for random specimens.
25-120 mmol/24 hours
Panic (high): N/A
Panic (low): N/A
Meth Ion Selective Electrode
Storage Refrigerate
Setup Daily
Stat Yes

Profile = Tests included **CPT** = CPT Code **Dept** = Department **Spec** = Specimen Requirement **Ref** = Reference Range **Meth** = Method
Storage = Storage Requirements **Meth** = Method **Com** = Comments **Setup** = Testing Schedule **Stat** = Available STAT **Xref** = Cross reference
Gold SST = 5 ml serum separator tube **Plain red** = 10 ml tube **Gray** = 2 ml Na Fluoride tube **Mint Green** = 3.5 ml Li Heparin tube

Master Test List

PREGNANCY SERUM-QUALITATIVE

CPT 84703
Dept Chemistry
Spec gold SST
Ref Negative
Panic (high): N/A
Panic (low): N/A
Meth Monoclonal antibody
Storage Refrigerate
Setup Daily
Stat Yes
XRef BHCG-Qualitative

PREGNANCY SERUM-QUANTITATIVE

CPT 84702
Dept Chemistry
Spec gold SST
Ref See report
Panic (high): N/A
Panic (low): N/A
Meth Chemiluminescent
Storage Refrigerate
Setup Daily
Stat Yes
XRef BHCG-Quantitative-Serum

PREGNANCY-URINE

CPT 81025
Dept Hematology
Spec First morning void preferred. (Contains the highest concentration of HCG. Otherwise any urine specimen at least 1 ml)
Ref Negative
Panic (high): N/A
Panic (low): N/A
Meth Monoclonal antibody
Storage Room Temp
Setup Daily
Stat Yes
XRef Urine Pregnancy

PROSTATIC SPECIFIC ANTIGEN

CPT 84153
Dept Chemistry
Spec gold SST
Ref 0.0-4.0 ng/ml
Panic (high): N/A
Panic (low): N/A
Meth Chemiluminescent
Storage Refrigerate; freeze serum if specimen is not

tested within 24 hours
Com Avoid hemolysis
Setup 2-3 times per week
Stat No
XRef PSA

PROTEIN-CSF

CPT 84155
Dept Chemistry
Spec CSF fluid collected by physician
Ref 12-60 mg/dl
Panic (high): N/A
Panic (low): N/A
Meth Modified biuret
Storage Refrigerate
Com Avoid hemolyzed samples, positive bias with contrast media
Setup Daily
Stat Yes

PROTHROMBIN TIME/PROTIME + INR

CPT 85610
Dept Hematology
Spec 2.7 ml blue top containing 3.2% sodium citrate
Ref See report
Panic (high): >18 seconds no therapy/
 > 60 seconds with therapy
Panic (low): N/A

Meth Photo-optical clot detection
Storage Refrigerate
Com Tubes must be filled adequately (3/4 full) to prevent result errors due to dilution of blood with excessive anticoagulant or underanticoagulation.
Setup Daily
Stat Yes

PROTHROMBIN TIME/PROTIME + INR, Patient on Anticoagulant

CPT 85610
Dept Hematology
Spec 2.7 ml blue top containing 3.2% sodium citrate
Ref See report.
Panic (high): >18 seconds no therapy/
 > 60 seconds with therapy
Panic (low): N/A
Meth Photo-optical clot detection
Storage Refrigerate
Com Tubes must be filled adequately (3/4 full) to prevent result errors due to dilution of blood with excessive anticoagulant or underanticoagulation.

Profile = Tests included **CPT** = CPT Code **Dept** = Department **Spec** = Specimen Requirement **Ref** = Reference Range **Meth** = Method
Storage = Storage Requirements **Meth** = Method **Com** = Comments **Setup** = Testing Schedule **Stat** = Available STAT **Xref** = Cross reference
Gold SST = 5 ml serum separator tube **Plain red** = 10 ml tube **Gray** = 2 ml Na Fluoride tube **Mint Green** = 3.5 ml Li Heparin tube

Master Test List

Setup Daily
Stat Yes

PSA
CPT 84153
Dept Chemistry
Spec gold SST
Ref 0.0-4.0 ng/ml
 Panic (high): N/A
 Panic (low): N/A
Meth Chemiluminescent
Storage Refrigerate; freeze serum if specimen is not tested within 24 hours
Com Avoid hemolysis
Setup 2-3 times per week
Stat No
XRef Prostatic Specific Antigen

PTT / APTT
CPT 85730
Dept Hematology
Spec 2.7 ml blue top containing 3.2% sodium citrate
Ref See report
 Panic (high): 45 seconds no therapy
 85 seconds with therapy
 Panic (low): N/A
Meth Photo-optical clot detection
Storage Refrigerate
Com Tube must be filled adequately (3/4 full) to prevent result errors due to dilution of blood with excessive
Setup Daily
Stat Yes
XRef Activated Partial Thromboplastin Time

RAPID DRUG SCREEN (RDS)
CPT 80101 X 8
Dept Chemistry
Spec 10 ml Urine in U/A tube or cup
Ref Negative
 Panic (high): N/A
 Panic (low): N/A
Meth Enzyme Immunoassay
Storage Refrigerate
Com Orderable by Emergency Department only
 Test results cannot be used for legal purposes
Setup Daily
Stat Yes
XRef RDS

RDS (RAPID DRUG SCREEN)
CPT 80101 X 8
Dept Chemistry
Spec 10 ml Urine in U/A tube or cup
Ref Negative
 Panic (high): N/A
 Panic (low): N/A
Meth Enzyme Immunoassay
Storage Refrigerate
Com Orderable by Emergency Department only
 Test results cannot be used for legal purposes
Setup Daily
Stat Yes
XRef RDS

RENAL BIOPSY
CPT 88325 x 3, 88346, 88348
Dept Histology
Spec Fresh tissue on saline pad brought immediately to Histology lab
Ref N/A
 Panic (high): N/A
 Panic (low): N/A
Meth
Storage Submit immediately to Histology laboratory
Com Schedule at least 48 hours in advance. Submit with History and Physical. Sent to Ref. Lab. Monday through Thursday.
Setup Monday through Thursday.
Stat No
XRef Kidney Biopsy

RENAL CALCULUS
CPT 82370
Dept Histology
Spec
Ref N/A
 Panic (high): N/A
 Panic (low): N/A
Meth
Storage Room Temp
Com Sent to Ref. Lab. Monday through Friday
Setup Monday through Friday
Stat No
XRef Renal Stone

Profile = Tests included **CPT** = CPT Code **Dept** = Department **Spec** = Specimen Requirement **Ref** = Reference Range **Meth** = Method
Storage = Storage Requirements **Meth** = Method **Com** = Comments **Setup** = Testing Schedule **Stat** = Available STAT **Xref** = Cross reference
Gold SST = 5 ml serum separator tube **Plain red** = 10 ml tube **Gray** = 2 ml Na Fluoride tube **Mint Green** = 3.5 ml Li Heparin tube

Master Test List

RENAL STONE

CPT 82370
Dept Histology
Spec
Ref N/A
Panic (high): N/A
Panic (low): N/A
Meth
Storage Room Temp
Com Sent to Ref. Lab. Monday through Friday
Setup Monday through Friday
Stat No
XRef Renal Calculus

RETICULOCYTE / RETIC COUNT

CPT 85045
Dept Hematology
Spec 4 ml lavender top
Ref 0.5% to 1.5%
Panic (high): N/A
Panic (low): N/A
Meth Microscopic exam of new methylene blue stained cells
Storage Refrigerate
Setup Daily
Stat Yes

RF

CPT 86430
Dept Microbiology
Spec gold SST
Ref Negative
Panic (high): N/A
Panic (low): N/A
Meth Latex agglutination
Com Titer performed on positive
Setup Three times a week
Stat No
XRef Rheumatoid Factor

Rh IMMUNE GLOBULIN

CPT
Dept Blood Bank
Spec N/A
Ref N/A
Panic (high): N/A
Panic (low): N/A
Meth
Com Type & Screen prior to administration. Blood Consent required

Storage Refrigerate
Setup Daily
Stat Yes
XRef Rhogam

RHEUMATOID FACTOR / RF

CPT 86430
Dept Microbiology
Spec gold SST
Ref Negative
Panic (high): N/A
Panic (low): N/A
Meth Latex agglutination
Storage Refrigerate
Com Titer performed on positive
Setup Three times a week
Stat No
XRef RF

RHOGAM

CPT J2790
Dept Blood Bank
Spec N/A
Ref N/A
Panic (high): N/A
Panic (low): N/A
Meth
Com Type & Screen prior to administration. Blood Consent required
Setup Daily
Stat Yes
XRef Rh Immune Globulin

RPR with reflex

CPT 86592
Dept Microbiology
Spec gold SST
Ref Non-reactive
Panic (high): N/A
Panic (low): N/A
Meth Reagin
Storage Refrigerate
Setup 3 times a week
Stat No
Com For reactive results: Titer performed in-house and FTA to reference lab

Profile = Tests included **CPT** = CPT Code **Dept** = Department **Spec** = Specimen Requirement **Ref** = Reference Range **Meth** = Method
Storage = Storage Requirements **Meth** = Method **Com** = Comments **Setup** = Testing Schedule **Stat** = Available STAT **Xref** = Cross reference
Gold SST = 5 ml serum separator tube **Plain red** = 10 ml tube **Gray** = 2 ml Na Fluoride tube **Mint Green** = 3.5 ml Li Heparin tube

Master Test List

RUBELLA ANTIBODY

CPT 86762
Dept Chemistry
Spec gold SST
Ref Positive
Panic (high): N/A
Panic (low): N/A
Meth Chemiluminescent
Storage Refrigerate
Setup Mon - Fri
Stat No

RUBEOLA ANTIBODY

CPT 86765
Dept Microbiology
Spec gold SST
Ref Negative
Panic (high): N/A
Panic (low): N/A
Meth Enzyme Immunoassay
Storage Refrigerate
Setup Two times a week
Stat No

SALICYLATES

CPT 80196
Dept Chemistry
Spec gold SST
Ref Therapeutic range 100-300 mg/L and above
Panic (high): 300 mg/L
Panic (low): N/A
Meth Catechol + MBTH + O₂
Storage Refrigerate
Setup Daily
Stat Yes
XRef Aspirin

SALT POOR ALBUMIN

CPT P9047
Dept Blood Bank
Spec N/A
Ref N/A
Panic (high): N/A
Panic (low): N/A
Storage Refrigerate
Com Blood Consent required
Setup Daily
Stat Yes
XRef NSA, Normal Serum Albumin

SED RATE

CPT 85651
Dept Hematology
Spec 4 ml lavender top
Ref Male: 0-15; Female: 0-20
Panic (high): N/A
Panic (low): N/A
Meth Westergren
Storage Refrigerate
Setup Daily
Stat No
XRef ESR, Erythrocyte Sedimentation Rate

SGOT

CPT 84450
Dept Chemistry
Spec gold SST
Ref 15-46 u/L
Panic (high): N/A
Panic (low): N/A
Meth Aspartate +alpha ketoglutarate dec. in NADH
Storage Refrigerate
Com Avoid hemolyzed specimens.
Setup Daily
Stat Yes
XRef AST/SGOT (Aspartate aminotransferase)

SGPT

CPT 84460
Dept Chemistry
Spec gold SST
Ref Male: 7-58 u/L; Female: 9-42 u/L
Panic (high): N/A
Panic (low): N/A
Meth L-alanine +alpha ketoglutarate dec. in NADH
Storage Refrigerate
Setup Daily
Stat Yes
XRef ALT

SICKLE CELL SCREEN

CPT 85660
Dept Hematology
Spec 4 ml lavender
Ref Negative
Panic (high): N/A
Panic (low): N/A
Meth Solubility test
Storage Refrigerate

Profile = Tests included CPT = CPT Code Dept = Department Spec = Specimen Requirement Ref = Reference Range Meth = Method
 Storage = Storage Requirements Meth = Method Com = Comments Setup = Testing Schedule Stat = Available STAT Xref = Cross reference
 Gold SST = 5 ml serum separator tube Plain red = 10 ml tube Gray = 2 ml Na Fluoride tube Mint Green = 3.5 ml Li Heparin tube

Master Test List

Setup Daily
Stat Yes

SODIUM (NA)-SERUM

CPT 84295
Dept Chemistry
Spec gold SST
Ref 134-146 mmol/L
Panic (high): 160 mmol/L and above
Panic (low): 120 mmol/L and below

Meth Ion Selective Electrode

Storage Refrigerate

Setup Daily

Stat Yes

SODIUM (NA)-URINE

CPT **Random : 84310, 24 hour: 84300**
Dept Chemistry
Spec 10 ml Timed or random urine specimen in U/A tube or cup
Ref 24 hour specimen: 40-220 mmol/L
Random: No normal ranges
Panic (high): N/A
Panic (low): N/A

Meth Ion Selective Electrode

Storage Refrigerate

Setup Daily

Stat Yes

SPUTUM FOR CYTOLOGY

CPT **Cell Block: 88305, If quantity insufficient: 88108**
Dept Cytology
Spec Sputum collected in 50% alcohol and carbowax
Ref No abnormal findings
Panic (high): N/A
Panic (low): N/A

Meth N/A

Storage Submit to Histology lab as soon as possible

Com The best time for collecting sputum specimens is upon rising in the morning. Patient should be instructed to first rinse their mouth, then a deep cough specimen should be expectorated directly into the container of fixative provided by the laboratory. (Two or three such expectorations should be put in the same container). This process should be repeated each morning until the desired number of samples are collected. Sputum for Pneumocystis carinii screen should be collected in a plain specimen container without preservative. Each container should have name, date and time collected on label

Setup Monday through Friday
Stat No

T3 (RESIN UPTAKE)

CPT 84479
Dept Chemistry
Spec gold SST
Ref 23.5 – 40.5 %
Panic (high): N/A
Panic (low): N/A

Meth Chemiluminescent

Storage Refrigerate

Setup Daily

Stat No

T4

CPT 84436
Dept Chemistry
Spec gold SST
Ref 5.5- 11.0 ug/dl
Panic (high): N/A
Panic (low): N/A

Meth Chemiluminescent

Storage Refrigerate

Setup Daily

Stat No

XRef Thyroxine

T4 Free

CPT 84439
Dept Chemistry
Spec gold SST
Ref 0.78 – 2.19 ng/dl
Panic (high): N/A
Panic (low): N/A

Meth Chemiluminescent

Storage Refrigerate

Setup Daily

Stat No

XRef Thyroxine

T7 (FTI)

CPT N/A
Dept Chemistry
Spec gold SST
Ref 1.7 – 3.9
Panic (high): N/A
Panic (low): N/A

Meth Calculation

Storage Refrigerate

Profile = Tests included **CPT** = CPT Code **Dept** = Department **Spec** = Specimen Requirement **Ref** = Reference Range **Meth** = Method
Storage = Storage Requirements **Meth** = Method **Com** = Comments **Setup** = Testing Schedule **Stat** = Available STAT **Xref** = Cross reference
Gold SST = 5 ml serum separator tube **Plain red** = 10 ml tube **Gray** = 2 ml Na Fluoride tube **Mint Green** = 3.5 ml Li Heparin tube

Master Test List

Com Must order T3 and T4 in order to get a T7.
Setup Daily
Stat No

TEGRETOL (CARBAMAZEPINE)

CPT 80156
Dept Chemistry
Spec gold SST
Ref 4.0 – 12.0 ug/ml
Panic (high): 15 ug/ml and above
Panic (low): N/A
Meth CRBM-peroxidase conjugate
Storage Refrigerate
Setup Daily
Stat Yes
XRef Carbamazepine

TEMPLATE BLEEDING TIME

CPT 85002
Dept Hematology
Spec N/A
Ref 2-8 minutes
Panic (high): N/A
Panic (low): N/A
Meth Ivy
Com Must have a platelet count available before bleeding time is performed. Aspirin and or platelet inhibitor drugs (e.g., Plavix) may elevate the bleeding time.
Setup Daily, performed by technologist or phlebotomist
Stat Yes
XRef Bleeding Time

THEOPHYLLINE

CPT 80198
Dept Chemistry
Spec gold SST
Ref 10-20 ug/ml
Panic (high): 20 ug/ml and above
Panic (low): N/A
Meth P-nitrophenyl phosphate
Storage Refrigerate
Setup Daily
Stat Yes

THROAT STREP SCREEN, RAPID

CPT 86588
Dept Microbiology
Spec Throat swab - culturette
Ref Negative for Group A beta strep by immunoassay
Panic (high): N/A

Panic (low): N/A
Meth Immunoassay
Storage Room Temp
Setup Daily
Stat Yes

THYROID PROFILE

CPT See Individual Tests
Profile T3, T4, T7
Dept Chemistry
Spec gold SST
Ref See individual tests
Panic (high): See individual tests
Panic (low): N/A
Meth See individual tests
Storage Refrigerate
Setup Daily
Stat No

THYROID PROFILE AND TSH

CPT See Individual Tests
Profile T3, T4, T7, TSH
Dept Chemistry
Spec gold SST
Ref See individual tests
Panic (high): See individual tests
Panic (low): N/A
Meth See individual tests
Storage Refrigerate
Setup Daily
Stat No

THYROID STIMULATING HORMONE (TSH)

CPT 84443
Dept Chemistry
Spec gold SST
Ref 0.47 - 4.68 uIU/mL
Panic (high): N/A
Panic (low): N/A
Meth Chemiluminescent
Com No
Setup Daily
Stat No
XRef TSH

THYROXINE (T4)

CPT 84436
Dept Chemistry
Spec gold SST
Ref 5.5 - 11 ug/dl

Profile = Tests included **CPT** = CPT Code **Dept** = Department **Spec** = Specimen Requirement **Ref** = Reference Range **Meth** = Method
Storage = Storage Requirements **Meth** = Method **Com** = Comments **Setup** = Testing Schedule **Stat** = Available STAT **Xref** = Cross reference
Gold SST = 5 ml serum separator tube **Plain red** = 10 ml tube **Gray** = 2 ml Na Fluoride tube **Mint Green** = 3.5 ml Li Heparin tube

Master Test List

Panic (high): N/A
Panic (low): N/A
Meth Chemiluminescent
Storage Refrigerate
Setup Daily
Stat No
XRef T4

TIBC / TOTAL IRON-BINDING CAPACITY

CPT 83550
Dept Chemistry
Spec gold SST
Ref Male: 261-462 ug/dl
 Female: 265-497 mg/dl
Panic (high): N/A
Panic (low): N/A
Meth FeCl₃ + binding dye
Storage Refrigerate
Com Avoid hemolysis
Setup 3 times a week
Stat No
XRef Total Iron Binding Capacity

TISSUE EXAMINATION

CPT Based on specimen complexity
Dept Histology
Spec Tissue
Ref N/A
Panic (high): N/A
Panic (low): N/A
Meth
Storage As below
Com Must be submitted in 10% formalin (available from Histology Lab). Performed Monday through Friday. May be submitted anytime in formalin.
Setup Monday through Friday
Stat No
XRef Pathology Specimen

TOBRAMYCIN

CPT 80200
Dept Chemistry
Spec gold SST
Ref N/A
Panic (high): N/A
Panic (low): Trough: ≥ 2.0 ug/ml
 Peak: ≥ 12 ug/ml
Meth Tobra/Glycose-6-phosphate dehydrogenase
Storage Refrigerate

Setup Daily
Stat Yes

TOTAL IRON-BINDING CAPACITY / TIBC

CPT 83550
Dept Chemistry
Spec gold SST
Ref Male: 261-462 ug/dl
 Female: 265-497 mg/dl
Panic (high): N/A
Panic (low): N/A
Meth FeCl₃ + binding dye
Storage Refrigerate
Com Avoid hemolysis
Setup 3 times a week
Stat No
XRef TIBC

TOTAL PROTEIN-SERUM

CPT 84155
Dept Chemistry
Spec gold SST
Ref 6.1-8.2 gm/dl
Panic (high): N/A
Panic (low): N/A
Meth Biuret with lithium hydroxide
Storage Refrigerate
Setup Daily
Stat Yes

TOTAL PROTEIN-URINE, 24 HOUR

CPT 84156
Dept Chemistry
Spec 24 hour urine collected on ice or refrigerated
Ref 25-150 mg/24 hours
Panic (high): N/A
Panic (low): N/A
Meth Biuret with lithium hydroxide
Storage Refrigerate
Setup Daily
Stat Yes

TOTAL PROTEIN-URINE, RANDOM

CPT 84156
Dept Chemistry
Spec 25 ml random urine
Ref N/A
Panic (high): N/A
Panic (low): N/A
Meth Biuret with lithium hydroxide

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Gold SST = 5 ml serum separator tube **Plain red** = 10 ml tube **Gray** = 2 ml Na Fluoride tube **Mint Green** = 3.5 ml Li Heparin tube

Master Test List

Storage Refrigerate

Setup Daily

Stat Yes

TOUCH PREPS

CPT 88329

Dept Histology

Spec Lymph node

Ref N/A

Panic (high): N/A

Panic (low): N/A

Storage Refrigerate

Setup Mon – Fri/day shift; Call Histology to schedule, if needed outside of the setup days/hours

Com Submit whole specimen on saline pad in sterile container.

Stat Yes

XRef Lymph Node for Imprints

TPN PROFILE

CPT

Profile Glucose, BUN, creatinine, sodium, potassium, chloride, CO₂, albumin, calcium, phosphorus, magnesium

Dept Chemistry

Spec gold SST

Ref See individual tests

Panic (high): See individual tests

Panic (low): See individual tests

Meth See individual tests

Storage Refrigerate

Setup Daily

Stat Yes

TRANSFUSION REACTION WORKUP

CPT 86078

Dept Blood Bank

Spec 7 ml lavender top tube, hand labeled with name, MR#, date, time, collector's initials AND next voided urine specimen

Ref N/A

Panic (high): N/A

Panic (low): N/A

Meth

Com Blood bank must be called immediately when reaction occurs.

Setup Daily

Stat Yes

TRICHOMONAS PREP

CPT 87210

Dept Microbiology

Spec Genital swab in saline (tubes obtained from Microbiology)

Ref Negative

Panic (high): N/A

Panic (low): N/A

Meth Microscopic analysis

Com Room Temp

Setup Daily

Stat Yes

TRIGLYCERIDES

CPT 84478

Dept Chemistry

Spec gold SST

Ref 0-150 mg/dl

Panic (high): N/A

Panic (low): N/A

Meth Glycerol kinase peroxidase

Storage Refrigerate

Setup Daily

Stat Yes

TROPONIN I

CPT 84484

Dept Chemistry

Spec gold SST

Ref 0.0 – 0.03 ng/ml

Panic (high): Greater than 0.120 ng/ml

Panic (low): N/A

Meth Chemiluminescent

Storage Refrigerate

Setup Daily

Stat Yes

TSH

CPT 84443

Dept Chemistry

Spec gold SST

Ref 0.47-4.68 uIU/mL

Panic (high): N/A

Panic (low): N/A

Meth Chemiluminescent

Storage Refrigerate

Setup Daily

Stat No

XRef Thyroid Stimulating Hormone

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Master Test List

TYPE AND CROSS

Profile ABO, Rh, Indirect Coombs, Crossmatch
CPT IS Crossmatch 86920, ABO 86900
 Rh 86901, Ab screen 86850
Dept Blood Bank
Spec 7 ml lavender top, hand labeled with name, MR #,
 date, time, collector's initials
Ref N/A
Panic (high): N/A
Panic (low): N/A
Storage Refrigerate
Com Indicate number of units to be transfused
Setup Daily
Stat Yes

TYPE AND Rh

Profile ABO group, Rh type
CPT ABO 86900, Rh 86901
Dept Blood Bank
Spec 7 ml lavender top, hand labeled with name, MR #,
 date, time, collector's initials
Ref N/A
Panic (high): N/A
Panic (low): N/A
Storage Refrigerate
Setup Daily
Stat Yes
XRef ABO/Rh, Blood type

TYPE AND SCREEN

Profile ABO, Rh, Indirect Coombs
CPT ABO 86900, Rh 86901, Ab screen 86850
Dept Blood Bank
Spec 7 ml lavender top, hand labeled with name, MR #,
 date, time, collector's initials
Ref N/A
Panic (high): N/A
Panic (low): N/A
Storage Refrigerate
Setup Daily
Stat Yes

U/A

Profile Appearance, color, specific gravity, pH, protein,
 glucose, ketone, bilirubin, occult blood,
 urobilinogen, leukocyte esterase, and nitrite.
 Microscopic included upon request or when specific
 results fall out of normal ranges.
CPT 81003
Dept Hematology
Spec 14 ml random urine (early morning void preferred)
Ref See report.
Panic (high): N/A
Panic (low): N/A
Meth Automated reagent strip reader, microscopic analysis
Storage Submit to lab within one hour of collection or
 refrigerate up to 8 hours
Setup Daily
Stat Yes
XRef Urinalysis

URIC ACID-SERUM

CPT 84550
Dept Chemistry
Spec gold SST
Ref 1.9-7.6 mg/dl
Panic (high): N/A
Panic (low): N/A
Meth Urease
Storage Refrigerate
Setup Daily
Stat Yes

URIC ACID-URINE

CPT 84560
Dept Chemistry
Spec 24 hour urine collection on ice or kept in
 refrigerator.
Ref 0.25-0.75 gm/24 hours
Panic (high): N/A
Panic (low): N/A
Meth Urease
Storage Refrigerate
Setup Daily
Stat No

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Master Test List

URINALYSIS

Profile Appearance, color, specific gravity, pH, protein, glucose, ketone, bilirubin, occult blood, urobilinogen, leukocyte esterase, and nitrite. Microscopic included upon request or when specific results fall out of normal ranges.

CPT 81003

Dept Hematology

Spec 14 ml random urine (early morning void preferred)

Ref See report.

Panic (high): N/A

Panic (low): N/A

Meth Automated reagent strip reader, microscopic analysis

Storage Submit to lab within one hour of collection or refrigerate up to 8 hours

Setup Daily

Stat Yes

XRef U/A

URINE CYTOLOGY

CPT 88104

Dept Cytology

Spec Urine mixed with equal volume of 95% alcohol

Ref No abnormal findings

Panic (high): N/A

Panic (low): N/A

Storage Submit to lab immediately

Com Site of urine must be specified (bladder wash, voided, catheter).

Setup Monday through Friday

Stat No

URINE PREGNANCY

CPT 81025

Dept Hematology

Spec First morning void preferred. (Contains the highest concentration of HCG. Otherwise any urine specimen at least 1 ml)

Ref Negative

Panic (high): N/A

Panic (low): N/A

Meth Monoclonal antibody

Storage Room Temp

Setup Daily

Stat Yes

XRef Pregnancy - Urine

VALPROIC ACID (DEPAKENE)

CPT 80164

Dept Chemistry

Spec gold SST

Ref 50-125 ug/ml

Panic (high): 125 ug/ml and above

Panic (low): N/A

Meth Valp/Glucose-6-Phosphate dehydrogenase

Storage Refrigerate

Setup Daily

Stat Yes

XRef Depakene, Depakote

VANCOMYCIN

CPT 80202

Dept Chemistry

Spec gold SST

Ref No normal ranges for random specimens. Suggested therapeutic trough 5-10 mcg/ml. Suggested therapeutic peak 30-40 mcg/ml

Panic (high): Toxic peak: >45 mcg/ml

Toxic trough: >15 mcg/ml

Panic (low): N/A

Meth Vanco-Ab/Glucose-6-phosphate-dehydrogenase

Storage Refrigerate

Com Trough 15 minutes before dose. Peak 30 minutes after dose.

Setup Daily

Stat No

VARICELLA ANTIBODY

CPT 86787

Dept Microbiology

Spec gold SST

Ref Negative

Panic (high): N/A

Panic (low): N/A

Meth Enzyme Immunoassay

Storage Refrigerate

Setup Two times a week

Stat No

10/2008

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