



**Rowan** REGIONAL MEDICAL CENTER  
**Rowan Laboratory's Catalog of Tests**

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p><b>24hr URINE IMMUNOELECTROPHORESIS</b>            Synonyms: Bence Jones Protein; Protein Electrophoresis, Urine; Urine Immunoelectrophoresis for Myeloma Proteins; Urine Light Chains            Nursing Alias: Immunoelectrophoresis (U)            Use: The immunoelectrophoresis technique separates urine protein into its major fractions and identifies the presence or absence of the immunoglobulin components. Normally only a small amount of albumin is present in the urine. In lymphoproliferative diseases, such as multiple myeloma and Waldenström's macroglobulinemia, however, immunoglobulin production may increase dramatically and one or more immunoglobulin chains may 'spill' over into the urine. The presence of kappa or lambda chains is called 'light chain disease'. The presence of the larger molecular weight, IgA, IgM, or IgA chains is called 'heavy chain disease'.            Limitations:            Additional Info:</p>	UIFE	Reference Range: Interpretation by pathologist Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine Containers: 24 hour Urine Container Minimum Volume: Entire collection Centrifugation: Storage: During collection refrigerate or keep on ice. Transport: Collection Notes: Obtain plastic urine container from Chemistry Department.	81050, 86335, 84156
<p><b>24hr URINE PROTEIN ELECTROPHORESIS</b>            Synonyms:            Nursing Alias: ELECTROPHORESIS,24 HR UR PROTEIN            Use:            Limitations:            Additional Info:</p>	U 24 Prot Ele	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine Containers: 24 hour Urine Container Minimum Volume: Entire 24 hour collection. Centrifugation: Storage: Refrigerate or keep on ice. Transport: Collection Notes: Obtain plastic urine container from the Chemistry Department.	84166, 81050, 84156
<p><b>5 NUCLEOTIDASE</b>            Synonyms: NUCLEOTIDASE 5            Nursing Alias:            Use:            Limitations:            Additional Info:</p>	5' nucleotidase	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 0.2 mL Centrifugation: Storage: Transport: Collection Notes:	83915



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<p><b>5-HYDROXYINDOLEACETIC ACID, QUANTITATIVE, URINE</b>            Synonyms: 5-HIAA, Quantitative, Urine; Serotonin, Urine            Nursing Alias: HIAA, 5-, Urine            Use:            Limitations:            Additional Info:</p>	U24 5 HIAA	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine Containers: 24 hour Urine Container Minimum Volume: Entire collection Centrifugation: Storage: Transport:	83497
<p><b>ABO GROUP AND Rh TYPE</b>            Synonyms: Blood Grouping and Rh typing; Blood Type; Group and Type; Rh Blood Grouping and Rh typing; Blood Type; Group and Type; Rh Type; Type and Rh            Nursing Alias: Abo Group And Type            Use: This test determines whether an individual is Group A, B, AB or O, and is type Rh negative or Rh positive. Information provided by this procedure is insufficient to situations where paternity is in dispute.            Limitations:            Additional Info:</p>	ABORH	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 7 mL Centrifugation: Storage: Transport: Collection Notes:	86900, 86901
<p><b>ACETAMINOPHEN, SERUM</b>            Synonyms: Datril; Excedrin; Liquiprin; Paracetamol; Tempra; Tylenol            Nursing Alias: Acetaminophen,S, Tylenol            Use:            Limitations:            Additional Info:</p>	Acetmn	Reference Range: Therapeutic: 10-25 ug/mL Critical Values(Low): There are no expected levels in patients who have not ingested the drug. Toxicity depends on the blood level and the number of hours post-ingestion. Significant liver damage is considered likely if drug levels are > 200 ug/mL at 4 hours post-ingestion or 50 ug/mL after 12 hours. A chart is available from the laboratory to aid in determining the degree of toxicity. Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes: The first of two specimens should be drawn at least 4 hours after poisoning to ensure peak levels have been achieved.	82003



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<p><b>ACETONE, QUALITATIVE, SERUM</b>            Synonyms: Blood Acetone; Ketone Bodies, Blood; Ketones            Nursing Alias: Acetone, Ketone            Use:            Limitations:            Additional Info:</p>	Acetone QI	Reference Range: Negative in normal nutritional states Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82009
<p><b>ACID PHOSPHATASE, SERUM</b>            Synonyms: Acid Phos; AcP; Phosphates, Acid; Total Acid Phosphatase; Prostatic Acid Phosphatase            Nursing Alias: Acid Phos, Total            Use: For the diagnosis of metastatic carcinoma of the prostate and to monitor therapy with antineoplastic drugs.            Limitations:            Additional Info:</p>	Acid Phosphatase	Reference Range: Refer to report. Critical Values(Low): Critical Values(High): Causes For Rejection: Specimen not frozen.	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84060
<p><b>ACT (Activated Clotting Time)</b>            Synonyms: Activated Clotting Time; ACT            Nursing Alias: ACT (Activated Clotting Time)            Use:            Limitations:            Additional Info:</p>	ACT	Reference Range: 105-167 secs Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: Sterile Capped Syringe Minimum Volume: 2 mL whole blood Centrifugation: Storage: Transport: Collection Notes: Draw blood in syringe - test immediately at bedside	85347
<p><b>ACTH (CORTISOL) STIMULATION TEST</b>            Synonyms: CORTISOL STIMULATION TEST, CORTISOL            Nursing Alias: CORTISOL STIMULATION TEST            Use:            Limitations:            Additional Info:</p>	Cortisol TR	Reference Range: REFER TO REPORT Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6ml SST FOR EACH SPECIMAN Centrifugation: ROUNTINE Storage: REFRIGERATED FOR 7 DAYS Transport: N/A Collection Notes: CLICK ON THE TEST NAME FOR DETAILS. MUST BE SCHEDULED IN ADVANCE WITH THE LABORATORY. COLLECT BASELINE, 30 MIN. & 60 MIN. SPECIMENS	82533, 82533, 82533



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			PROMPTLY AT SPECIFIED TIMES.	
<b>ACUTE HEPATITIS PANEL</b> Synonyms: Nursing Alias: Acute Hepatitis Panel Use: Limitations: Additional Info:	Hep Acute Panel	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: (2) 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	80074
<b>AFB SMEAR ONLY</b> Synonyms: Acid-fast smear, smear for TB Nursing Alias: AFB Smear Only Use: Limitations: Additional Info:	AFSM	Reference Range: No acid-fast bacilli seen Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Cytobrush from bronchoscopy smeared onto two clean glass slides and submitted in cardboard container Containers: Air-dried smears in cardboard container Minimum Volume: 2 smears Centrifugation: Storage: Transport: Collection Notes:	87206
<b>ALBUMIN, SERUM</b> Synonyms: ALB Nursing Alias: Albumin,S Use: Limitations: Additional Info:	ALB	Reference Range: 3.9-5.0 g/dL Critical Values(Low): < 2.0 g/dL Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82040
<b>ALCOHOL, SERUM</b> Synonyms: Serum Alcohol Level; Serum Ethanol Level; Ethanol, Serum; Ethyl Alcohol, Serum; ETOH; ALC Nursing Alias: Alcohol,S, Etoh, 5408 Use: Limitations: Additional Info:	ALC	Reference Range: < 10 mg/dL Critical Values(Low): Critical Values(High):> 300 mg/dL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport:	82055



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			Collection Notes: Do not use any alcohol based prep as a cleansing agent. Betadine may be used.	
<b>ALDOLASE</b> Synonyms: ALDOLASE Nursing Alias: Aldolase Use: Limitations: Additional Info:	Aldolase	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82085
<b>ALDOSTERONE, 24 HR URINE</b> Synonyms: Nursing Alias: Reference Lab Test Use: Limitations: Additional Info:	U24 Aldosterone	Reference Range: Refer to report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine Containers: 24 hour Urine Container Minimum Volume: Entire Collection Centrifugation: Storage: Refrigerate or keep on ice. Transport: Collection Notes: Obtain plastic urine container from the Chemistry Department. Urine must be preserved with 20.0 grams of Boric Acid during collection. Refrigerate or keep on ice.	82088
<b>ALDOSTERONE, SERUM</b> Synonyms: Nursing Alias: Reference Lab Test Use: Limitations: Additional Info:	Aldosterone	Reference Range: Refer to report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube + Activator Minimum Volume: 6 mL Centrifugation: Centrifute promptly. Storage: Transport: Collection Notes:	82088
<b>ALKALINE PHOSPHATASE, BODY FLUID</b> Synonyms: Nursing Alias: Alkaline Phosphatase, F Use: Limitations:	BF Alk Phos	Reference Range: None have been established Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Any fresh body fluid Containers: Sterile tube Minimum Volume: 1 mL Centrifugation: Storage:	84075



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Additional Info:			Transport: Collection Notes: State source of fluid on requisition (e.g., pleural, peritoneal, pericardial, synovial, cyst).	
<b>ALKALINE PHOSPHATASE, SERUM</b> Synonyms: Alkaline Phosphatase, Total; AlkP; Alk Phos; Phosphatase, Alkaline Nursing Alias: Alkaline Phosphatase, S Use: Alkaline phosphatase is used in the diagnosis of diseases of the bowel and liver. Abnormal elevations can be seen in hyperparathyroidism, Paget's disease, bone tumors, osteomalacia, bone fractures, obstructive jaundice, and infectious hepatitis. Limitations: Additional Info:	ALP	Reference Range: 0-16 y 100-380 U/L; over 16 y 38-126 U/L Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84075
<b>ALLERGEN PROFILE, BASIC FOOD</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Basic Food	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 1 ml Centrifugation: Storage: Transport: Collection Notes:	86003 x 9, 86005
<b>ALLERGENS (12)</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Allergens (12)	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 2 ml Centrifugation: Storage: Transport: Collection Notes: 2 tubes	86003 x 12
<b>ALLERGENS, ZONE 2</b> Synonyms: Nursing Alias: Use:	Allergens Zone 2	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 3 ml	86003 x 30



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Limitations: Additional Info:			Centrifugation: Storage: Transport: Collection Notes: 2 tubes	
<b>ALPHA-FETOPROTEIN, TUMOR MARKER</b> Synonyms: AFP, Carcinoma; AFP, Tumor Marker Nursing Alias: Afp, Tumor Marker Use: Limitations: Additional Info:	AFP C	Reference Range: Refer to report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Storage: Transport: Collection Notes: Centrifuge promptly	82105
<b>ALT (SGPT)</b> Synonyms: Alanine Aminotransferase; Alanine Transferase; ALT; GPT; serum glutamic pyruvate transaminase Nursing Alias: SGPT (ALT) Use: As an aid to the diagnosis of liver disease. SGPT is found in highest concentration in the liver and significant elevations occur only in diseases of the liver such as infectious hepatitis, obstructive jaundice, and cirrhosis. SGPT is often measured along with SGOT to determine if the source of an elevated SGOT is from the heart or the liver. Limitations: Additional Info:	ALT	Reference Range: Female: 10-50 U/L, Male: 9-62 U/L Critical Values(Low): Critical Values(High):>1000 U/L Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84460
<b>AMINOLEVULINIC ACID, URINE</b> Synonyms: ALA, Urine; Aminolevulinic Acid, Urine; Delta-ALA, Urine Nursing Alias: Aminolevulinic Acid Use: Limitations: Additional Info:	MISS	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine Containers: 24 hour Urine Container Minimum Volume: Entire collection Centrifugation: Storage: Transport: Collection Notes: Obtain plastic urine container from the Chemistry department. Urine must be preserved with 30 mL of 6 N HCL during collection. Refrigerate or keep on ice.	82135



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<p><b>AMMONIA, PLASMA</b>            Synonyms: Blood Ammonia; Blood NH<sub>3</sub>; NH<sub>3</sub>; NH<sub>4</sub>; AMM            Nursing Alias: Ammonia,P            Use:            Limitations:            Additional Info:</p>	Ammonia	Reference Range: 9-33 umol/L Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: Green Top Tube, Lithium Heparin Minimum Volume: 4 mL Centrifugation: Centrifuge promptly. Storage: Store On Ice Transport: Call For STAT Courier Collection Notes:	82140
<p><b>AMNIOCENTESIS</b>            Synonyms: Amniotic Fluid Analysis for Fetal Lung Maturity and/or Chromosome Studies            Nursing Alias:            Use: Determine fetal lung maturity            Limitations:            Additional Info:</p>	MISS	Reference Range: Refer to Reference Laboratory Report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Amniotic fluid Containers: Sterile container Minimum Volume: 10 mL Centrifugation: Storage: Transport: Protect from light. Collection Notes: If chromosome studies are to be performed. Collect the specimen in two sterile containers, protect both from light and place one on ice and the other at room temperature.	
<p><b>AMYLASE, BODY FLUID</b>            Synonyms:            Nursing Alias: Amylase, Fluid            Use:            Limitations:            Additional Info:</p>	BF Aml	Reference Range: None have been established Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Any fresh body fluid Containers: Sterile tube Minimum Volume: 1 mL Centrifugation: Storage: Transport: Collection Notes: State source of fluid on requisition (e.g., pleural, peritoneal, pericardial, synovial, cyst)	82150
<p><b>AMYLASE, SERUM</b>            Synonyms: AMY            Nursing Alias: Amylase,S            Use: For the diagnosis of acute pancreatitis. After onset of pain, peak levels are usually reached within twelve hours and usually return to normal within 2-5 days. Chronic pancreatitis and salivary gland disease may also produce elevated levels.            Limitations:</p>	AMY	Reference Range: 30-110 U/L Critical Values(Low): Critical Values(High):> 600 U/L Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82150



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Additional Info:				
<b>AMYLASE, URINE</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Amylase Urine (RANDOM) U 2 Amylase (2 hr) U 24 Amylase TR (24 Hr.)	Reference Range: Less than 16 U/hour Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine; 2 hour urine; Random urine Containers: 24 hour Urine Container Clean Screw Cap Container Minimum Volume: Entire collection for 24 hour urines. Centrifugation: Storage: Transport: Collection Notes: Obtain plastic urine container from the Chemistry department. Refrigerate or keep on ice.	82150, Additional CPT code 81050 added to test codes U2AMY and U24AMY
<b>ANA SCREEN W/AUTOANTIBODIES</b> Synonyms: ANA, ANTINUCLEAR ANTIBODY Nursing Alias: ANA, ANTINUCLEAR ANTIBODY Use: Limitations: Low antibody levels may be found in diseases other than connective tissue disease. Additional Info:	ANA w/ Reflex Ab	Reference Range: <100 AU/mL = Negative; 100-120 AU/mL = Equivocal; > 120 AU/mL = Positive Critical Values(Low): Critical Values(High): Causes For Rejection: Hemolysis, lipemia, gross bacterial contamination, icterus	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator 7 mL Red Top Tube, No Additive Minimum Volume: 0.5 mL serum Centrifugation: Storage: Maintain specimen at room temperature. Transport: Collection Notes:	86038
<b>ANA SCREEN, SEMIQN</b> Synonyms: ANA; FANA Nursing Alias: Antinuclear Antibody, ANA Use: Detects antibodies to nuclear antigens. Limitations: Males and Females older than 80 years of age have a 50% incidence of low titer ANA. Various medications can induce a reactive ANA. Additional Info:	ANA Ab Direct	Reference Range: <100 AU/mL = Negative; 100-200 AU/mL = Equivocal; >120 AU/mL = Positive Critical Values(Low): Critical Values(High): Causes For Rejection: Hemolysis, lipemia, gross bacterial contamination, icterus.	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator 7 mL Red Top Tube, No Additive Minimum Volume: 0.5 mL Centrifugation: Storage: Maintain specimen at room temperature. Transport: Collection Notes:	86038
<b>ANEMIA PROFILE</b> Synonyms: Anemia Study; Anemia Survey; ANEM	Anemia Profile	Reference Range: Results interpreted by pathologist	Specimen Type: Blood Containers: 4 mL Lavender Top Tube,	83540, 82728, 83550, 83010,



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<p>Nursing Alias: Anemia Profile            Use: CBC with Differential, Coombsâ€™™ direct, ferritin, iron, reticulocyte count, transferrin, haptoglobin, total bilirubin; unconjugated bilirubin, conjugated bilirubin, LDH, TIBC, Delta bilirubin            Limitations:            Additional Info:</p>		<p>Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>EDTA            6 mL Gold Top Tube, Gel + Activator            Minimum Volume: 6 mL serum and 4 mL EDTA            Centrifugation:            Storage:            Transport:            Collection Notes:</p>	83615, 82247, 85023, 82248, 86880, 85045
<p><b>ANTIBODY SCREEN</b>            Synonyms: Antibody Detection Test; Indirect Antiglobulin Test            Nursing Alias: Antibody Screen            Use: Patientâ€™™s serum is tested against selected donor red cells for detection of clinically significant unexpected antibodies. Technique is indirect antiglobulin procedure and results are used to aid in selecting suitable blood for transfusion,            Limitations:            Additional Info:</p>	ABSCR	<p>Reference Range: Negative            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Blood            Containers: 7 mL Red Top Tube, No Additive            Stat tube            Minimum Volume: 3 mL serum            Centrifugation:            Storage:            Transport:            Collection Notes: Do not use serum separator tube</p>	86850
<p><b>ANTIBODY TITER</b>            Synonyms: Antibody Score            Nursing Alias:            Use:            Limitations:            Additional Info:</p>	ABID	<p>Reference Range: Negative            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Blood            Containers: 7 mL Red Top Tube, No Additive            Minimum Volume: 6 mL            Centrifugation:            Storage:            Transport:            Collection Notes: Use manual requisition</p>	86886
<p><b>ANTINUCLEAR ANTIBODIES, IFA</b>            Synonyms: ANA, IFA            Nursing Alias:            Use:            Limitations:            Additional Info:</p>	FANA	<p>Reference Range:            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Serum            Containers: 6 mL Gold Top Tube, Gel + Activator            Minimum Volume: 2 ML            Centrifugation:            Storage: Refrigerated            Transport:            Collection Notes:</p>	86038



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<b>ANTISTREPTOLYSIN O</b> Synonyms: Antistreptolysin O; ASO Nursing Alias: Antistreptolysin-O Antibody (Aso) Use: Screening for antistreptolysin O (ASO). Titers on all positive screens. Limitations: Additional Info:	ASO	Reference Range: less than 200 IU/ml Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 7 mL Centrifugation: Storage: Transport: Collection Notes:	86063
<b>APT TEST</b> Synonyms: Fetal Hemoglobin Test in Newborn; Fetal Hemoglobin in Feces, Vomitus, etc.; Swallowed Blood Syndrome, APT Test for Hemoglobin Nursing Alias: APT Test Use: Limitations: Additional Info:	APT	Reference Range: Maternal or infant origin Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood stained diaper; Grossly bloody stool; Bloody vomitus; Mucus; Meconium or gastric aspirate Containers: Clean Screw Cap Container Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes: Use clean uncontaminated glass or plastic container for specimen or send blood stained diaper.	83033
<b>ARTHRITIS PANEL</b> Synonyms: RA Profile II, Arthritis panel, Rheumatoid Profile II Nursing Alias: Arthritis Panel Use: Limitations: Additional Info:	Arthritis Panel	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 4 ml Lavender Top Minimum Volume: 10 mL serum and 5 mL Lavender Top Tube, EDTA Centrifugation: Storage: Transport: Collection Notes: Collect (2) 6 mL Gold Top Tube, Gel + Activator	86430, 85651, 84550, 86038, 86039 if 86038 positive, 86431 if 86430 positive
<b>AST (SGOT)</b> Synonyms: Aspartate Aminotransferase, Blood; AST; GOT; serum glutamic oxaloacetic transaminase Nursing Alias: SGOT (AST) Use: Limitations: Additional Info:	AST	Reference Range: Male: 9-56 U/L Female: 10-48 U/L Critical Values(Low): Critical Values(High):>1000 U/L Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84450



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<b>AST (SGOT), BODY FLUID</b> Synonyms: Nursing Alias: SGOT (AST) Use: Limitations: Additional Info:	BF AST	Reference Range: None has been established Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Any fresh body fluid Containers: Sterile tube Minimum Volume: 1 mL Centrifugation: Storage: Transport: Collection Notes: State source of fluid on requisition (e.g., pleural, peritoneal, pericardial, synovial, cyst).	84450
<b>AUTOPSY</b> Synonyms: Necropsy; Postmortem Examination Lab Cytology/Histology Nursing Alias: Use: Limitations: Additional Info:	Call Anatomic Pathology, EXT 5078	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Not applicable Containers: Not Applicable Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes:	
<b>B-Type Natriuretic Peptide</b> Synonyms: BNP Nursing Alias: Use: BNP Test offers an objective, noninvasive measurement for assessing patients for CHF and risk stratification in patients with acute coronary syndrome Limitations: Additional Info:	ProBNP	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Whole blood Containers: 5 mL Lavender Top Tube, EDTA Minimum Volume: Centrifugation: Storage: Whole blood or plasma samples may be stored at room temperature or refrigerated at 4Â°C for up to 24 hours prior to testing. For longer storage, separate and freeze plasma at -20Â°C or colder in a non-defrosting freezer. Transport: Transport specimens so that extreme temperatures are avoided. Collection Notes: Venous blood collected in an EDTA (purple top) tube.	83880
<b>BARTONELLA ANTIBODY PANEL</b> Synonyms: Nursing Alias: Use: Limitations:	Bartonella Ab	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 2 ml Centrifugation:	86611 x 4



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Additional Info:			Storage: Transport: Collection Notes:	
<b>BASIC METABOLIC PANEL</b> Synonyms: BMP Nursing Alias: Basic Metabolic Panel, BMP Use: Limitations: Additional Info:	BMP SP	Reference Range: See individual tests Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	80048
<b>BETA HCG - TUMOR MARKER</b> Synonyms: Nursing Alias: Use: Elevated levels have been reported in patients with choriocarcinoma, hydatidiform mole, and malignancy including testicular tumors, prostatic cancer, breast and lung cancer. The quantitative hCG level therefore serves as a tumor marker for some carcinoma patients. Limitations: Additional Info:	BHCG Tumor	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly Storage: Transport: Collection Notes:	84702
<b>BETA HCG QUANTITATIVE SERUM</b> Synonyms: Beta Subunit, hCG; hCG Beta Subunit; Quantitative Beta Subunit hCG; Quantitative Pregnancy Test; HCGQN Nursing Alias: Use: Human chorionic gonadotropin (hCG) is a glycoprotein produced by the placenta within 10 days of conception. Assay is useful in determining ectopic pregnancy or threatened or missed abortion. Limitations: Additional Info:	HCG Quant	Reference Range: Non-pregnant females: <5.0 mIU/mL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly Storage: Transport: Collection Notes:	84702
<b>BILIRUBIN, NEONATAL (Infant)</b> Synonyms: Baby Bilirubin; Direct Bilirubin, Neonatal; Total Bilirubin, Neonatal; BILI	NeoBili	Reference Range: 1-14 days: total bilirubin, 0.6-11.1 mg/dL; unconjugatedbilirubin, 0.6-	Specimen Type: Blood Containers: Red Top Microtainer Minimum Volume: 1 Microtainer tube	82247, 82248



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<p>Nursing Alias: Bilirubin, Neonatal            Use: To detect increased red cell destruction (hemolytic disease or physiological jaundice) in the newborn.            Excessive bilirubin may cause irreversible brain damage.            Limitations:            Additional Info:</p>		<p>10.5 mg/dL; conjugated bilirubin, 0.0-0.6 mg/dL            Critical Values(Low):            Critical Values(High):&gt; 12 mg/dL if &lt; 24 hrs old; &gt; 15 mg/dL if &gt; 24 hrs old            Causes For Rejection:</p>	<p>Centrifugation:            Storage:            Transport:            Collection Notes: Wrap specimen in foil or brown paper to protect from light if sample cannot be tested within 2-3 hours of collection.</p>	
<p><b>BILIRUBIN, TOTAL AND DIRECT, ADULT</b>            Synonyms: Bilirubin, Total and Conjugated; Bilirubin, Total and Direct; BILI            Nursing Alias:            Use: In the diagnosis of jaundice in suspected liver dysfunction or hemolytic disease.            Limitations:            Additional Info:</p>	Bili T/Direct	<p>Reference Range: total: 0.2-1.4 mg/dL, conjugated: 0-0.3 mg/dL; unconjugated: 0-1.1 mg/dL, delta 0.0-0.5 mg/dL            Critical Values(Low):            Critical Values(High):Total Bilirubin &gt; 12 mg/dL            Causes For Rejection:</p>	<p>Specimen Type: Blood            Containers: 6 mL Gold Top Tube, Gel + Activator            Minimum Volume: 6 mL            Centrifugation: Centrifuge promptly            Storage:            Transport:            Collection Notes:</p>	82248, 82247
<p><b>BILIRUBIN, TOTAL, ADULT</b>            Synonyms: Total Bilirubin, Adult; TBILI            Nursing Alias:            Use: In the diagnosis of jaundice in suspected liver dysfunction or hemolytic disease.            Limitations:            Additional Info:</p>	TBIL	<p>Reference Range: 0.2-1.4 mg/dL            Critical Values(Low):            Critical Values(High):&gt; 12 mg/dL            Causes For Rejection:</p>	<p>Specimen Type: Blood            Containers: 6 mL Gold Top Tube, Gel + Activator            Minimum Volume: 6 mL            Centrifugation: Centrifuge promptly            Storage:            Transport:            Collection Notes:</p>	82247
<p><b>BILIRUBIN, TOTAL, BODY FLUID</b>            Synonyms:            Nursing Alias: Bilirubin, Total, Fluid            Use:            Limitations:            Additional Info:</p>	BF Bili	<p>Reference Range: None have been established            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Any fresh body fluid            Containers: Sterile tube            Minimum Volume: 1 mL            Centrifugation:            Storage:            Transport:            Collection Notes: State source of fluid on requisition (e.g., pleural, peritoneal, pericardial, synovial, cyst).</p>	82247
<p><b>BLASTOMYCES ANTIBODIES</b>            Synonyms: Blastomycosis Immunodiffusion, Blastomyces dermatitidis</p>	MISS	<p>Reference Range:            Critical Values(Low):            Critical Values(High):</p>	<p>Specimen Type: Blood            Containers: 6 mL Gold Top Tube, Gel + Activator</p>	86612



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Nursing Alias: Blastomyces AB, ID Use: Limitations: Additional Info:		Causes For Rejection:	Minimum Volume: 6 mL Centrifugation: Storage: Transport: Collection Notes: 1 mL serum from fasting patient.	
<b>BLEEDING TIME</b> Synonyms: Ivy Bleeding Time; Template Bleeding Time; BT Nursing Alias: Bleeding Time Use: Limitations: Additional Info:	BT	Reference Range: 2.5-9.5 minutes Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: Filter paper Minimum Volume: Drops Centrifugation: Storage: Transport: Collection Notes: Notation if patient is taking aspirin.	85002
<b>BLOOD DONATION DIRECTED</b> Synonyms: Designated Blood Donation; Directed Blood Donation Nursing Alias: p9021 Use: Limitations: Additional Info:	Call Blood Bank	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: CPD Blood Bag Minimum Volume: 450 mL Centrifugation: Storage: Transport: Collection Notes:	p9021
<b>BONE MARROW ASPIRATION AND BIOPSY</b> Synonyms: Bone Marrow; Bone Marrow Aspirate; Bone Marrow Biopsy. Nursing Alias: Use: Limitations: Adults Only Additional Info:	Call Hematology	Reference Range: Results interpreted by pathologist.. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Bone marrow aspirate and/or biopsy Containers: Smear on a glass slide in card-board container Minimum Volume: 2-5 mL; 1 cm core of bone marrow Centrifugation: Storage: Transport: Collection Notes: Smear slides are prepared at the bedside by laboratory technologist, biopsy and clot placed in fixative by pathologist or technologist	
<b>BORDETELLA PERTUSSIS SMEAR</b>	Bord DFA	Reference Range: No	Specimen Type: Nasopharyngeal swabs	87265 x 2



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Synonyms: PERTUSSIS, PARAPERTUSSIS Nursing Alias: Use: Limitations: Additional Info:		Bordetella species seen, or None Detected Critical Values(Low): Critical Values(High): Causes For Rejection: Slide > 72 hours	Containers: Air-dried smears in cardboard container Minimum Volume: Centrifugation: Storage: Room Temp. Transport: Room temperature; stable for 2 days, maximum. Collection Notes:	
<b>BUN</b> Synonyms: Blood Urea Nitrogen; UREA NITROGEN, SERUM Nursing Alias: Use: As a screening test for kidney function Limitations: Additional Info:	BUN	Reference Range: Male 9-21 mg/dL, Female: 7-18 mg/dL Critical Values(Low): Critical Values(High):> 100 mg/dL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84520
<b>C REACTIVE PROTEIN,CARDIAC HS</b> Synonyms: CRP,CARDIAC Nursing Alias: Use: Limitations: Additional Info:	CRP Cardiac	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Yellow Top Tube + Activator Minimum Volume: 1mL Centrifugation: Storage: Refriderate Transport: Collection Notes:	86141
<b>C. TRACHOMATIS BY DNA AMP</b> Synonyms: CHLAMYDIA TRACHOMATIS, DNA PROBE Nursing Alias: CHLAMYDIA, C. TRACHOMATIS Use: Limitations: Additional Info:	CTAMP	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection: NOT APPROVED FOR NON- GENITAL SITES.	Specimen Type: Urine; Discharge; Urethral discharge; Cervix; Vagina; Penis; Urethra Containers: Sterile container Minimum Volume: Centrifugation: Storage: Transport: Collection Notes:	87491
<b>C3 COMPLEMENT, SERUM</b> Synonyms: C3 COMPLEMENT, SERUM	C3	Reference Range: Refer to report.	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel +	86160



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>Nursing Alias:            Use: As an aid, along with other test procedures, to determine the presence and extent of an ongoing immune process, also to gauge the effects of therapy.            Limitations:            Additional Info:</p>		<p>Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Activator            Minimum Volume: 6 mL            Centrifugation: Centrifuge promptly.            Storage:            Transport:            Collection Notes:</p>	
<p><b>C4 COMPLEMENT, SERUM</b>            Synonyms: C4 COMPLEMENT, SERUM            Nursing Alias:            Use: As an aid, along with other test procedures, to determine the presence and extent of an ongoing immune process, also to gauge the effects of therapy.            Limitations: Avoid hemolysis            Additional Info:</p>	C4	<p>Reference Range: Refer to report            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Blood            Containers: 6 mL Gold Top Tube, Gel + Activator            Minimum Volume: 6 mL            Centrifugation: Centrifuge Promptly            Storage:            Transport:            Collection Notes:</p>	86160
<p><b>CA 125</b>            Synonyms: Carbohydrate Antigen 125; Carbohydrate Antigen, Ovarian            Nursing Alias:            Use: As a tumor marker, primarily for patients with ovarian cancer            Limitations:            Additional Info:</p>	CA 125	<p>Reference Range: Refer to report            Critical Values(Low):            Critical Values(High):            Causes For Rejection:            Hemolysis</p>	<p>Specimen Type: Blood            Containers: 6 mL Gold Top Tube, Gel + Activator            Minimum Volume: 6 mL            Centrifugation: Centrifuge promptly            Storage:            Transport:            Collection Notes:</p>	86304
<p><b>CA 15-3</b>            Synonyms: Breast Antigens 115D8/DF3; Carbohydrate Antigen 15-3            Nursing Alias: Cancer Antigen 15-3            Use: A tumor marker, primarily used with breast cancer            Limitations:            Additional Info:</p>	MISS	<p>Reference Range: Refer to report            Critical Values(Low):            Critical Values(High):            Causes For Rejection:            Hemolysis.</p>	<p>Specimen Type: Blood            Containers: 6 mL Gold Top Tube, Gel + Activator            Minimum Volume: 6 mL            Centrifugation: Centrifuge promptly.            Storage:            Transport:            Collection Notes:</p>	86300
<p><b>CA 19-9</b>            Synonyms: Carbohydrate Antigen 19-9            Nursing Alias: Carbohydrate AG 19-9            Use: As a tumor marker in patients with pancreatic carcinoma</p>	CA 19-9	<p>Reference Range: Refer to report            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Blood            Containers: 6 mL Gold Top Tube, Gel + Activator            Minimum Volume: 6 mL            Centrifugation: Centrifuge promptly.</p>	86301



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Limitations: Additional Info:		Hemolysis	Storage: Transport: Collection Notes:	
<b>CALCIUM, BODY FLUID</b> Synonyms: Nursing Alias: Calcium, Fluid Use: Limitations: Additional Info:	BF Ca	Reference Range: None have been established Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Any fresh body fluid Containers: Sterile tube Minimum Volume: 1 mL Centrifugation: Storage: Transport: Collection Notes: State source of fluid on requisition (e.g., pleural, peritoneal, pericardial, synovial, cyst)	82310
<b>CALCIUM, SERUM</b> Synonyms: Ca, Serum; CAL Nursing Alias: Calcium,S Use: Abnormal levels are seen in various diseases. High calcium levels may be seen in hyperparathyroidism, metastatic carcinoma, and multiple myeloma. Low levels may be found in hypothyroidism, kidney disease, and defective absorption of calcium from the intestine. Limitations: Additional Info:	Ca	Reference Range: Vitros: 9.1-10.6 mg/dL Critical Values(Low): < 7 mg/dL Critical Values(High):> 13 mg/dL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82310
<b>CALCIUM, URINE, 24 HOUR</b> Synonyms: Ca, Urine Nursing Alias: Calcium, Urine 24 Hour Use: Increases can be seen in hyperparathyroidism, osteolytic bone disease, renal tubular acidosis, and vitamin B1 intoxication. Decreases can be seen in hypoparathyroidism, rickets, and with low serum calcium, except in renal disease. Limitations: Additional Info:	U CA (RANDOM), U24 CA TR (24-HOUR)	Reference Range: Random: No reference range established. 24-Hour: 100-300 mg/24 hours. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine; Random urine Containers: 24 hour Urine Container Clean Screw Cap Container Minimum Volume: Entire collection Centrifugation: Storage: Transport: Collection Notes: Obtain plastic urine container from the Chemistry Department. Refrigerate or keep on ice.	82340, Additional CPT Code 81050 added to test code U24CAL
<b>CALCIUM/CREATININE RATIO</b> Synonyms:	Calcium/creatinine Ratio, Urine	Reference Range: < 0.2 (hyper-absorbers); > 0.2	Specimen Type: Random urine Containers: Clean Screw Cap Container	82310, 82570



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Nursing Alias: Calcium/Creatinine Ratio, Urine Use: Limitations: Additional Info:		(hyper-leakers) Critical Values(Low): Critical Values(High): Causes For Rejection:	Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:	
<b>Calculus Analysis</b> Synonyms: STONE ANALYSIS Nursing Alias: Stone Analysis Use: Any stone other than kidney stone. For Kidney (renal) stone refer to test code XKIDST. Limitations: Additional Info:	Stone Analysis w/ Photo Labcorp	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Stone Containers: Clean Screw Cap Container Minimum Volume: Entire Specimen Centrifugation: Storage: Transport: Collection Notes:	82365
<b>CANDIDA IgG ANTIBODIES</b> Synonyms: Candida antibodies; Mannan antibodies Nursing Alias: Candida IGG Antibodies Use: Limitations: Additional Info:	MISS	Reference Range: Negative Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:	86628
<b>CARBAMAZEPINE</b> Synonyms: Tegretol, CRBAM Nursing Alias: Carbamazepine,S, Tegretol Use: To monitor dosage of carbamazepine, an anticonvulsant drug used to treat trigeminal neuralgia and grand mal and psychomotor seizures. Limitations: Additional Info:	Carbam	Reference Range: Refer to hard copy of report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 7 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes: For periodic testing, blood should be drawn just prior to the next dose. In cases of suspected toxicity, levels may be drawn at any time.	80156
<b>CARBON DIOXIDE, TOTAL</b> Synonyms: CO2; Total CO2 Nursing Alias:	CO2	Reference Range: 22-31 mmol/L Critical Values(Low): < 10	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator	82374



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>Use: CO<sub>2</sub> is a waste product of cellular activity and exists in the blood in several forms. The major transport form is bicarbonate and it plays an important part in pH balance. Four major types of respiratory difficulty are associated with abnormal CO<sub>2</sub> and pH levels: respiratory alkalosis, respiratory acidosis, metabolic acidosis, and metabolic alkalosis.</p> <p>Limitations:            Additional Info:</p>		<p>mmol/L            Critical Values(High):&gt; 40            mmol/L            Causes For Rejection:</p>	<p>Minimum Volume: 6 mL            Centrifugation: Centrifuge promptly.            Storage:            Transport:            Collection Notes:</p>	
<p><b>CARDIOLIPIN Ab,IgA/G/M,Qn</b>            Synonyms: ANTICARDIOLIPIN ANTIBODIES            Nursing Alias:            Use:            Limitations:            Additional Info:</p>	Cardiolipin GAM	<p>Reference Range:            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Serum            Containers: 6 mL Gold Top Tube, Gel + Activator            Minimum Volume: 1ml            Centrifugation:            Storage:            Transport:            Collection Notes:</p>	86003 x 11, 82785
<p><b>CATECHOLAMINES, FRACTIONATED, URINE</b>            Synonyms:            Nursing Alias: Catecholamines, Frac, Urine            Use: As an aid in the diagnosis of pheochromocytoma and the differential diagnosis of orthostatic or postural hypotension            Limitations:            Additional Info:</p>	U24 Cat Frac	<p>Reference Range: Refer to report            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: 24 hour urine            Containers: 24 hour Urine Container            Minimum Volume: Entire collection            Centrifugation:            Storage:            Transport:            Collection Notes: Obtain plastic urine container from the Chemistry department. Urine must be preserved with 25 mL of 50% acetic acid during collection. Refrigerate or keep on ice.</p>	82384
<p><b>CEA</b>            Synonyms: Carcinoembryonic Antigen            Nursing Alias: CEA (SERUM)            Use: To aid in the management of therapy for cancer patients and in assessment of their prognosis.            Limitations:            Additional Info:</p>	CEA	<p>Reference Range: Non-Smokers: &lt;3.0 ng/mL;            Smokers: &lt;5.0 ng/mL            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Blood            Containers: 6 mL Gold Top Tube, Gel + Activator            Minimum Volume: 6 mL            Centrifugation: Centrifuge promptly.            Storage:            Transport:            Collection Notes:</p>	82378



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>CELIAC DISEASE COMPHRENSIVE</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Celiac Disease	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 3 ml Centrifugation: Storage: Transport: Collection Notes:	83516 x 4, 82784, 86255
<b>CELIAC DISEASE II</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Celiac Disease II	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 3 ml Centrifugation: Storage: Transport: Collection Notes:	82784, 86255, 83516, 83516
<b>CELIAC DISEASE PANEL</b> Synonyms: Tissue Transglutaminase Antibodies Nursing Alias: Use: Limitations: Additional Info:	Celiac Disease Panel	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 3 ml Centrifugation: Storage: Transport: Collection Notes:	82784, 83516, 86255
<b>CELL COUNT, BODY FLUIDS</b> Synonyms: Pleural Fluid Cell Count; Synovial Fluid Cell Count; JointFluid Cell Count; Pericardial Fluid Cell Count; Dialysate Cell Count Nursing Alias: Cell Count, Body Fluid Use: Limitations: Additional Info:	BF Ct SP	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Synovial fluid Containers: Green Top Tube, Lithium Heparin or Sterile Tube (No Anticoagulants) Minimum Volume: 1-3 mL Centrifugation: Storage: Transport: Collection Notes:	89051
<b>CENTROMERE ANTIBODY</b> Synonyms: CENTROMERE, ANTI-CENTROMERE	Centro Scr	Reference Range: <100 AU/mL = Negative; 100-120	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel +	86235



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<p>Nursing Alias: CENTROMERE, ANTI-CENTROMERE            Use: Aids in the diagnosis of Crest Syndrome and Rainaud's Phenomenon.            Limitations:            Additional Info:</p>		<p>AU/mL = Equivocal; &gt;120            AU/mL = Positive            Critical Values(Low):            Critical Values(High):            Causes For Rejection:            Hemolysis, lipemia, gross bacterial contamination, icterus</p>	<p>Activator            7 mL Red Top Tube, No Additive            Minimum Volume: 0.5 mL serum            Centrifugation:            Storage: Maintain at room temperature.            Transport:            Collection Notes:</p>	
<p><b>CH50</b>            Synonyms: Complement, Total            Nursing Alias:            Use:            Limitations:            Additional Info:</p>	CH50	<p>Reference Range:            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Serum            Containers: 6 mL Yellow Top Tube + Activator            Minimum Volume: 2mL            Centrifugation:            Storage:            Transport:            Collection Notes:</p>	86162
<p><b>CHLAMYDIA ANTIBODIES</b>            Synonyms: Psittacosis Antibodies            Nursing Alias: C. Trachomatis AB IgG            Use:            Limitations:            Additional Info:</p>	MISS	<p>Reference Range:            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Blood            Containers: 7 mL Red Top Tube, No Additive            Minimum Volume: 10 mL            Centrifugation:            Storage:            Transport:            Collection Notes: Specify complement fixation for IgG antibodies (includes lymphogranuloma venereum (LGV) and psittacosis) or IgM antibodies</p>	86631
<p><b>CHLORIDE, BODY FLUID</b>            Synonyms:            Nursing Alias: Chloride, Fluid            Use:            Limitations:            Additional Info:</p>	BF CL	<p>Reference Range: None have been established.            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Any fresh body fluid            Containers: Sterile tube            Minimum Volume: 1 mL            Centrifugation:            Storage:            Transport:            Collection Notes: State source of fluid on requisition (e.g., pleural, peritoneal, pericardial, synovial, cyst).</p>	82438



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>CHLORIDE, SERUM</b> Synonyms: CL Nursing Alias: Chloride,S Use: Limitations: Additional Info:	CL	Reference Range: 101-111 mmol/L Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly Storage: Transport: Collection Notes:	82435
<b>CHLORIDE, URINE</b> Synonyms: Cl, Urine; Urine Cl Nursing Alias: Chloride, Urine (Random); Chloride, Urine, 24 Hour) Use: Limitations: Additional Info:	U CL (RANDOM), U24 Chloride TR (24 HOUR)	Reference Range: Random: No reference range established. 24-Hour: 110-250 mmol/L Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine; Random urine Containers: 24 hour Urine Container Clean Screw Cap Container Minimum Volume: Entire collection Centrifugation: Storage: Transport: Collection Notes: Obtain plastic urine container from the Chemistry Department. Refrigerate or keep on ice.	82436, Additional CPT code 81050 added to test code U24CL
<b>CHOLESTEROL</b> Synonyms: CHOL Nursing Alias: Cholesterol,S Use: To help gauge the risk of coronary heart disease and strokes due to cholesterol build-up in the walls of the arteries. Elevated cholesterol can be seen in hypothyroidism, liver and kidney disease, diabetes mellitus, excess fat in the diet, or heredity. Low levels can be seen in hyperthyroidism, myeloma, polycythemia vera, Waldenstrom's macroglobulinemia, myelofibrosis, and other prolonged debilitating illnesses. Limitations: Additional Info:	CHOL	Reference Range: 100-200 mg/dL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82465
<b>CHOLESTEROL, BODY FLUID</b> Synonyms: Nursing Alias: Cholesterol, Fluid Use: Limitations:	BF CHOL	Reference Range: None have been established. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Any fresh body fluid Containers: Sterile tube Minimum Volume: 1 mL Centrifugation: Storage:	82465



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Additional Info:			Transport: Collection Notes: State source of fluid on requisition (e.g., pleural, peritoneal, pericardial, synovial, cyst).	
<b>CHROMOSOME,BLOOD,ROUTINE</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Chrom Bld LC	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Whole blood Containers: 7 mL Green Top Tube, sodium Heparin Minimum Volume: Neonates: 1-2 mL; adults: 5 mL Centrifugation: Storage: Transport: Collection Notes:	88291, 88230, 88262
<b>CK-MB (MASS)</b> Synonyms: CK, CKMASS, CK MASS Nursing Alias: Use: Limitations: Additional Info:	Ck-mass	Reference Range: 0.0 - 2.8 ng/mL Critical Values(Low): Critical Values(High): Causes For Rejection: GROSS HEMOLYSIS	Specimen Type: Blood Containers: 6 mL Gold Top Tube + Activator Minimum Volume: 6 mL Centrifugation: CENTRIFUGE PROMPTLY Storage: Transport: Collection Notes:	82553
<b>CLINICAL DRUG SCREEN</b> Synonyms: PROGRESSIVE DRUG SCREEN Nursing Alias: Use: Limitations: Additional Info:	Drug Scrn TR	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Random urine Containers: Clean Screw Cap Container Minimum Volume: 10 mL Centrifugation: Storage: Transport: Room Temp. Collection Notes:	80101 X 10
<b>CLOSTRIDIUM DIFFICILE TOXIN A &amp; B ASSAY</b> Synonyms: Antibiotic Associated Colitis (AAC) Toxin Assay; Pseudomembranous Colitis, Toxin Assay; C Diff Nursing Alias: C. Difficile A&B Toxin By EIA Use: Limitations:	CTOX	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Stool; Proctoscopic specimen Containers: Stool container Minimum Volume: 5-10 grams if formed, 5 mL if liquid Centrifugation:	87324



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Additional Info:			Storage: Transport: Collection Notes:	
<b>CMV CULTURE</b> Synonyms: CYTOMEGALOVIRUS CULTURE Nursing Alias: Use: Limitations: Additional Info:	C CMV TR	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood (buffy coat) Containers: Green Top Tube, Lithium Heparin Minimum Volume: 10-14 mL BLOOD Centrifugation: Storage: Transport: Collection Notes: Collect two green top heparin tubes . Transport at room temperture as soon as possible. Don not freeze.	87252, 87254
<b>COAGULATION PROFILE</b> Synonyms: Coagulation Screening Profile; COAG Nursing Alias: Coagulation Profile Use: Limitations: Additional Info:	Coagulation Profile	Reference Range: See individual tests Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 4.5mL Light Blue Top Tube, Sodium Citrate, 3.2% 5 mL Lavender Top Tube, EDTA Minimum Volume: 4.5 mL Centrifugation: Storage: Transport: Collection Notes:	85610, 85730, 85384, 85379, 85002, 85025 or 85023
<b>COCCIDIOIDES ANTIBODIES</b> Synonyms: Coccidioides immitis Nursing Alias: Coccidioides AB, CF Use: Limitations: Additional Info:	MISS	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood; Spinal fluid Containers: 7 mL Red Top Tube, No Additive Sterile CSF collection tube Minimum Volume: 7 mL blood and/or 1 mL CSF Centrifugation: Storage: Transport: Collection Notes: Requisition must state date and time of collection. If CSF is requested, serum must also be obtained; collect serum from fasting patients.	86635



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>COLD HEMAGGLUTINS</b> Synonyms: Nursing Alias: Cold Hemagglutinins Use: Limitations: Additional Info:	Cold Agglut	Reference Range: Although a fourfold or greater rise in titer is most significant, a single titer of 1:64 in the presence of pneumonia is considered a significant finding. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 7 mL Centrifugation: Storage: Transport: Collection Notes:	86157
<b>COMPLETE BLOOD COUNT WITH DIFFERENTIAL COUNT</b> Synonyms: CBC With Diff, CBCD Nursing Alias: CBC With Differential Use: Limitations: Additional Info:	CBCD SP	Reference Range: See Table 1 in the Appendix Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 5 mL Lavender Top Tube, EDTA Lavender Top Microtainer, EDTA Minimum Volume: 5 mL or 2 mL EDTA tubes for venipuncture; 400 ul for capillary specimen Centrifugation: Do Not Centrifuge Storage: Make "Push" Slide Store At Room Temperature Transport: Transport To Hematology Within 24 Hours Collection Notes:	85025 or 85023
<b>COMPLETE BLOOD COUNT WITHOUT DIFFERENTIAL COUNT</b> Synonyms: CBC Without Diff, CBC Nursing Alias: CBC Without Differential Use: Limitations: Additional Info:	ABC SP	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: Lavender Top Microtainer, EDTA Minimum Volume: 5 mL or 2 mL EDTA tubes for venipuncture; 400 ul for capillary specimen Centrifugation: Do Not Centrifuge Storage: Store At Room Temperature Transport: Transport To Hematology Within 24 Hours Collection Notes:	85027
<b>COMPREHENSIVE METABOLIC PANEL</b> Synonyms: CMP Nursing Alias: Comprehensive Metabolic Panel Use:	CMP SP	Reference Range: See individual tests Critical Values(Low): Critical Values(High):	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL	80053



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>Limitations:            Additional Info:</p>		Causes For Rejection:	Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	
<p><b>COOMBS, INDIRECT</b>            Synonyms: Indirect Anti-human Globulin Test; Indirect Coombsâ€™™; Antibody Screen            Nursing Alias:            Use: The indirect antiglobulin test is used for the detection of antibodies that may cause red blood cell sensitization in vitro. The test is especially useful in determining whether alloantibody, autoantibody, or both are present.            Limitations:            Additional Info:</p>	ABSCR	Reference Range: Negative Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Stat tube Minimum Volume: 3 mL Centrifugation: Storage: Transport: Collection Notes: Specimen should be properly labeled. Do not collect blood in serum separator tube.	86850
<p><b>CORTISOL, SERUM</b>            Synonyms: CORT, CORTISOL            Nursing Alias: Cortisol, S            Use:            Limitations:            Additional Info:</p>	CORT	Reference Range: Before 10:00 AM: 4.5 - 22.7 ug/dL; After 5:00 PM: 1.7 - 14.1 ug/dL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82533
<p><b>COXSACKIE A VIRUS TITER</b>            Synonyms:            Nursing Alias: Coxsackie A Virus AB            Use: See Aseptic Meningitis Meningoencephalitis Profile            Limitations:            Additional Info:</p>	MISS	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:	86658
<p><b>CPK AND CK-MB ISOENZYMES</b>            Synonyms: CK Isoenzymes; CPK Isoenzymes;</p>	CKWITH	Reference Range: CPK female 21-143 U/L; male 21-	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel +	82550, 82553



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
CPK,CREATININE PHOSPHOKINASE Nursing Alias: CPK/CKMB Use: Limitations: Additional Info:		197 U/L; CK-MB 0-16 U/L; %MB 0-4 % Critical Values(Low): Critical Values(High): Causes For Rejection:	Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	
<b>CPK, TOTAL</b> Synonyms: CK; CK, Serum, CREATINE PHOSPHOKINASE, TOTAL Nursing Alias: CPK, S Use: Limitations: Additional Info:	CK	Reference Range: Female: 21-143 U/L; male: 21-197 U/L Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82550
<b>CPK/CK-MB IF ELEVATED</b> Synonyms: CK Isoenzymes; CPK Isoenzymes; CPK,CREATINE PHOSPHOKINASE Nursing Alias: CPK/CPK Isoenzymes IF Elevated Use: Limitations: Additional Info:	CKIF	Reference Range: CPK female 21-143 U/L; male 21- 197 U/L; CK-MB 0-16 U/L; %MB 0-4 % Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82550, 82553 if CPK elevated
<b>CREATININE CLEARANCE</b> Synonyms: Clearance, Creatinine Nursing Alias: Creatinine Clearance Use: To estimate glomerular filtration rate. Low clearance values represent renal damage or renal insufficiency. Limitations: Additional Info:	CRCL	Reference Range: 97-137 mL/min (clearance is corrected for patient's body surface) Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine; Blood Containers: 24 hour Urine Container 6 mL Gold Top Tube, Gel + Activator Minimum Volume: Entire 24 hour collection and 6 mL serum Centrifugation: Storage: Refrigerate or keep on ice Transport: Collection Notes: Obtain plastic urine container from the Chemistry Department.	82575
<b>CREATININE, BODY FLUID</b> Synonyms:	BF Crea	Reference Range: None have been established	Specimen Type: Any fresh body fluid Containers: Sterile tube	82570



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Nursing Alias: Creatinine, Fluid Use: Limitations: Additional Info:		Critical Values(Low): Critical Values(High): Causes For Rejection:	Minimum Volume: 1 mL Centrifugation: Storage: Transport: Collection Notes: State source of fluid on requisition (e.g., pleural, peritoneal, synovial, cyst)	
<b>CREATININE, SERUM</b> Synonyms: CREA Nursing Alias: Creatinine,S Use: As an indicator of renal glomerular function. It is generally regarded as one of the most useful tests in the diagnosis and follow-up of kidney disease. Limitations: Additional Info:	Crea SP	Reference Range: male: 0.8-1.5 mg/dL, female: 0.7-1.2 mg/dL Critical Values(Low): Critical Values(High):> 7.5 mg/dL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82565
<b>CREATININE, URINE, 24 HOUR</b> Synonyms: Urine Creatinine Nursing Alias: Creatinine, Urine, 24 Hour Use: Limitations: Additional Info:	U24 Creatinine	Reference Range: 0.8-2.8 g/24 hours Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine Containers: 24 hour Urine Container Minimum Volume: Entire 24 hour collection Centrifugation: Storage: Refrigerate or keep on ice. Transport: Collection Notes: Obtain plastic urine container from the Chemistry Department. Refrigerate or keep on ice.	82570, 81050
<b>CREATININE, URINE, RANDOM</b> Synonyms: Nursing Alias: Creatinine, Urine (Random) Use: Limitations: Additional Info:	U Crea	Reference Range: NONE HAVE BEEN ESTABLISHED Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Urine Containers: Clean Screw Cap Container Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:	82570
<b>CRP, CSF</b> Synonyms: Acute Phase Reactant; CRP Nursing Alias: Reference Lab Test	MISS	Reference Range: Refer to report Critical Values(Low):	Specimen Type: CSF Containers: Spinal fluid tube Minimum Volume: 1 mL spinal fluid	86140



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Use: Limitations: Additional Info:		Critical Values(High): Causes For Rejection:	Centrifugation: Storage: Transport: Collection Notes:	
<b>CRP, SERUM</b> Synonyms: Acute Phase Reactant; CRP Nursing Alias: C-Reactive Protein Use: To evaluate acute phase response Limitations: Additional Info:	CRP	Reference Range: 0.0 - 0.8 mg/dL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL blood Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	86140
<b>CRYOGLOBULIN (QUALITATIVE)</b> Synonyms: Nursing Alias: Cryoglobulin Use: Limitations: Additional Info:	Cryoglobulin	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection: SERUM STORED REFRIGERATED OR FROZEN.	Specimen Type: Blood Containers: (2) 7 mL Red Top Tube, No Additive Minimum Volume: 14 mL Centrifugation: Collect, clot and centrifuge at 37 degrees C. Storage: DO NOT REFRIGERATE OR FREEZE. Transport: Collection Notes: Specimen must be collected in pre-warmed tube and kept at 37 degrees celcius while clotting.	82595
<b>CRYOPRECIPITATE</b> Synonyms: AHF: Antihemophilic Factor; Cryo; Factor VIII Concentrate Nursing Alias: Use: Used to correct AHF deficiency and to control bleeding in patients with hemophilia A or von Willebrandâ€™s disease. Limitations: Additional Info:	TCRYO	Reference Range: The half-life of factor VIII is 8-17 hours, half-life of fibrinogen is 4 days in the absence of inhibitors and active bleeding. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL pink top 7 mL Red Top Tube, No Additive Minimum Volume: 10 mL Centrifugation: Storage: Do not refrigerate after thawing. Transport: Collection Notes: Do not use serum separator tube. Blood Bank bracelet not required.	P9012
<b>CRYPTOCOCCAL ANTIGEN TITER, CEREBROSPINAL</b>	CSF Crypto Ag	Reference Range: Negative.	Specimen Type: Spinal fluid	87449



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<p><b>FLUID</b>            Synonyms: Cerebrospinal Fluid Cryptococcal Antigen; CSF CryptococcalAntigen; Spinal Fluid Cryptococcal Antigen            Nursing Alias: Cryptococcus AG, CSF            Use:            Limitations:            Additional Info:</p>		<p>Titers of 1:8 or greater are highly suggestive of active infection.            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Containers: Sterile CSF collection tube            Minimum Volume: 2 mL            Centrifugation:            Storage:            Transport:            Collection Notes:</p>	
<p><b>CRYPTOSPORIDIUM EXAMINATION</b>            Synonyms: Acid-Fast Stain, Modified; Cryptosporidium,ISOSPORA CYCLOSPORA            Nursing Alias: Cryptosporidium Exam            Use:            Limitations:            Additional Info:</p>	Cryptosporidium Detection	<p>Reference Range: No Cryptosporidium, ISOSPORA CYCLOSPORA observed            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: MF Preserved Stool            Containers: O&amp;P kit            Minimum Volume: 1 G STOOL            Centrifugation:            Storage:            Transport:            Collection Notes: Stool specimen must be preserved in MF preservative. Unpreserved specimens are not acceptable. Specimens must be enclosed in leak-proof plastic bags. Requisition must state date and time of collection.</p>	87206
<p><b>CRYSTALS, BODY FLUID</b>            Synonyms:            Nursing Alias: Crystals, Body Fluid            Use:            Limitations:            Additional Info:</p>	BF crys SP	<p>Reference Range: Negative            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Synovial fluid            Containers: Green Top Tube, Lithium Heparin            Heparinized syringe            Minimum Volume: 2 mL            Centrifugation:            Storage:            Transport:            Collection Notes: Do not use purple stoppered tube</p>	89060
<p><b>CULTURE, ACTINOMYCETES</b>            Synonyms: Anaerobic Culture, Actinomycosis            Nursing Alias: Culture, Anaerobic            Use:            Limitations:            Additional Info:</p>		<p>Reference Range: No Actinomyces isolated            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Pus            Containers: Anaerobic culture swab            Minimum Volume: Not Applicable            Centrifugation:            Storage:            Transport:            Collection Notes: Depending on site,</p>	87075, 87205



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			collect a swab, 0.5 mLs pus by syringe aspiration, small piece of tissue by biopsy, 0.5 - 1.0 mL body fluid, IUD (intrauterine device), gauze which has been collecting wound drainage or other appropriate specimen.	
<b>CULTURE, AFB SMEAR AND</b> Synonyms: Acid-Fast Culture; TB Culture; Mycobacterium Nursing Alias: AFB Smear Culture Use: Limitations: Additional Info:	C AFB	Reference Range: No acid-fast bacilli seen on initial smear or isolated on culture at 3 and 6 weeks. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: First morning sputum Containers: Sterile container Minimum Volume: 1-5 mL Centrifugation: Storage: Transport: Collection Notes: Specimen First morning sputum, fasting gastric aspirate, induced sputum, tissue, biopsy, bronchial aspirate, urine, skin, CSF, bone marrow, fluid.	87116, 87206
<b>CULTURE, ANAEROBIC</b> Synonyms: Abscess, Deep; Anaerobic Culture, Fluid; Culture, Anaerobic; Deep Wound Culture; Wound Anaerobic Culture Nursing Alias: Culture, Anaerobic Use: Limitations: Additional Info:	C Wnd	Reference Range: No growth of anaerobic bacteria Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Pus Containers: Anaerobic culture swab Sterile Capped Syringe Minimum Volume: One anaerobic culture swab or 0.5 mL pus or other fluid from aspirated site in sterile capped syringe. Centrifugation: Storage: Transport: Collection Notes: Pus, tissue, fluid, or other material properly obtained from an abscess, biopsy, aspirate, drainage, exudate, lesion, wound.	87075, 87205
<b>CULTURE, BACTERIAL BLOOD</b> Synonyms: Blood Culture, Aerobic; Blood Culture, Anaerobic; Blood Culture for Bacteria Nursing Alias: Culture, Bacterial Blood Use: Limitations: Additional Info:	C BLOOD	Reference Range: No Growth Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: standard aerobic and anaerobic blood culture bottles, standard pedi-bact blood culture bottle Minimum Volume: The volume of blood to draw is dependent upon the total bloods volume of the patient to be	87040



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			drawn. The amount of blood to draw can be extrapolated from the patient's weight according to the following guidelines; weight: 0.0-8.5; age: Newborn-1month; blood Centrifugation: Storage: Transport: Collection Notes:	
<b>CULTURE, BODY FLUID</b> Synonyms: Routine Culture, Bacterial Culture, C&S Nursing Alias: Culture, Body Fluid Use: Limitations: Additional Info:	C Body Fluid	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: PLEURAL; SYNOVIAL; ETC Containers: Aerobic culture swab Anaerobic culture swab Sterile tube Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes: DO NOT send dialysate bags; remove an aliquot and place in a sterile container for transport to the laboratory.; (Refer to table in the "Specimen Procurement, Handling, Sample Collection" section in the front of this manual for further details on collection of specimens for culture.)	87070, 87205
<b>CULTURE, BORDETELLA</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	B Pertussis LC	Reference Range: No Bordetella isolated Critical Values(Low): Critical Values(High): Causes For Rejection: Improper or expired transport media.	Specimen Type: Nasopharyngeal swabs Containers: Reagan-Lowe Charcoal Agar Culture Flask Minimum Volume: Centrifugation: Storage: Transport: Transport flask or Reagan-Lowe tube at room temperature. Collection Notes:	87081
<b>CULTURE, BRONCHOSCOPY</b> Synonyms: Routine Culture, Bacterial Culture, C&S	C QRes	Reference Range: Critical Values(Low):	Specimen Type: Bronchoscopy or Aveolar Washing/Lavage	87070, 87205



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Nursing Alias: Culture, Bronchoscopy Use: Limitations: Additional Info:		Critical Values(High): Causes For Rejection:	Containers: Aspirate collection container Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes: (Refer to table in the "Specimen Procurement Handling, Sample Collection" section in the front of this manual for further details on collection of specimens for culture.)	
<b>CULTURE, CHLAMYDIA TRACHOMATIS</b> Synonyms: Culture, Chlamydia Nursing Alias: Culture, Chlamydia Use: Limitations: Additional Info:	C Chlamydia LC	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Cervix; Vagina; Penis; Urethra; Eye Containers: Viral transport medium Minimum Volume: 1 tube of viral/chlamydia transport media for each site Centrifugation: Storage: Transport: Collection Notes: Only swabs included with the viral/chlamydia transport media should be used to obtain specimens. Conjunctival swab, posterior nasopharyngeal or throat swab, cervical swab, aspirates, urethral swab, swabs or tissue removed at biopsy.	87110, 87140
<b>CULTURE, CLOSTRIDIUM DIFFICILE</b> Synonyms: Antibiotic Associated Colitis (MC); Pseudomembranouscolitis Nursing Alias: Culture, C.Difficile Use: Limitations: Additional Info:	C CL Diff	Reference Range: Negative for Clostridium difficile Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Stool Containers: Stool container Minimum Volume: 5-10 grams if formed; 5 mL if liquid Centrifugation: Storage: Transport: Collection Notes: Requisition must state date and time of collection	87075
<b>CULTURE, CSF</b> Synonyms: Routine Culture, Bacterial Culture, C&S	C CSF	Reference Range: Critical Values(Low):	Specimen Type: Cerebrospinal fluid collected aseptically	87070, 87205



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Nursing Alias: Culture, CSF Use: Limitations: Additional Info:		Critical Values(High): Causes For Rejection:	Containers: Sterile CSF collection tube Minimum Volume: 0.5 mL fluid Centrifugation: Storage: Transport: Collection Notes: Requisition must state specific site of specimen and date and time of collection.	
<b>CULTURE, CYTOMEGALOVIRUS</b> Synonyms: CMV Culture; Cytomegalovirus Culture Nursing Alias: Culture, CMV, Rapid Use: Limitations: Additional Info:	C CMV TR	Reference Range: No virus isolated Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Urine; Respiratory specimen; Blood (buffy coat) Containers: Viral transport medium Minimum Volume: 1 mL for most specimens, except urine is 5 mL. Centrifugation: Storage: Transport: Collection Notes: See Viral Culture, Comprehensive. Requisition must state specific site of specimen and date and time of collection. Other specimens used: Tissue or Rectal Swabs.	87254
<b>CULTURE, DIPHTHERIA</b> Synonyms: Corynebacterium diphtheriae culture, Diphtheria Examination Nursing Alias: Culture, Diphtheria Use: Limitations: Additional Info:	MISS	Reference Range: No Corynebacterium diphtheriae isolated. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Nasopharyngeal swabs; Throat Swab Containers: Mini-tip culturettes Minimum Volume: 1 swab for each site sampled. Centrifugation: Storage: Transport: Collection Notes: nasopharyngeal is specimen of choice.	87070
<b>CULTURE, EAR</b> Synonyms: Routine Culture, Bacterial Culture, C&S Nursing Alias: Culture, Ear Use: Limitations: Additional Info:		Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Left or Right Containers: Aerobic culture swab Minimum Volume: Not Applicable Centrifugation: Storage: Transport:	87070, 87205



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			Collection Notes: Better results may be achieved by using a special "Minitip" swab transport system.; (Refer to table in the "Specimen Procurement, Handling, Sample Collection" section in the front of this manual for further details on collection of specimens for culture.)	
<b>CULTURE, ENVIRONMENTAL</b> Synonyms: Nursing Alias: Culture, Environmental Use: Limitations: Additional Info:	C EC	Reference Range: No growth or no pathogens present. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Inanimate objects; equipment; fluids; air samples; swabs from surfaces of objects Containers: Sterile container Minimum Volume: Submit entire specimen or appropriate sample Centrifugation: Storage: Transport: Collection Notes:	
<b>CULTURE, EYE</b> Synonyms: Routine Culture, Bacterial Culture, C&S Nursing Alias: Culture, Eye Use: Limitations: Additional Info:		Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Left or Right Containers: Aerobic culture swab Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes: Better results may be achieved by using a special "Minitip" swab transport system. Corneal rims must be transported in sterile saline, and prevented from drying out.	87070, 87205
<b>CULTURE, FUNGUS</b> Synonyms: Culture for Candida, Culture for mould Nursing Alias: Culture, Fungus Use: Limitations: Additional Info:	C FUN	Reference Range: No yeasts or moulds isolated at 2 and 4 weeks. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Spinal fluid; Stool; Sputum; Urine; Skin scrapings; Tissue or biopsy; Nails; Scalp and hair; Bone marrow; Exudates Containers: Sterile container Sterile petri dish Minimum Volume: Not Applicable Centrifugation: Storage:	87102, 87220



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			Transport: Collection Notes:	
<b>CULTURE, FUNGUS BLOOD</b> Synonyms: Blood Culture for Fungus; Blood Culture for Candida; Blood Culture for Cryptococcus Nursing Alias: Culture, Fungus Blood Use: Limitations: Additional Info:	C FUNB	Reference Range: No Yeasts or Moulds Isolated at 2 Weeks No Yeasts or Moulds Isolated at 4 Weeks Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 1.5 mL ISOLATOR tube (for pediatrics or low volume draw) 10 mL ISOLATOR tube (for routine adult collections) Minimum Volume: The volume of blood depends upon the age of the patient. Select appropriate size ISOLATOR <sup>TM</sup> tube to use, according to the table below; Patient's Age: Newborn-3 years; Draw In: 1.5 mL ISOLATOR; Patient's Age: >3 years 10 mL ISOLATOR Centrifugation: Storage: Transport: Collection Notes: Request must state clinical diagnosis, date and time of collection, and initials of person collecting the culture. Drawing a blood culture requires special disinfection of the venipuncture site.	87103
<b>CULTURE, GC</b> Synonyms: Culture for GC; Culture for Neisseria gonorrhoeae; Genital-Culture for Neisseria gonorrhoeae; Neisseria gonorrhoeae Culture; Thayer-Martin Culture Nursing Alias: Culture, GC Use: Limitations: Additional Info:	C GC	Reference Range: No Neisseria gonorrhoeae isolated Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Synovial fluid; Pus; Rectal Swab; Discharge; Urethral discharge; Eye Containers: JEMBEC/Thayer-Martin plate available from Microbiology Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes:	87081
<b>CULTURE, GC READ</b> Synonyms: CULTURE FOR GC; CULTURE FOR NEISSERIA GONORRHOEAE; GENITAL CULTURE FOR NEISSERIA GONORRHOEAE; NEISSERIA	GCREAD	Reference Range: NO NEISSERIA GONORNHOEAE Critical Values(Low):	Specimen Type: Other body fluid Containers: JEMBEC/Thayer-Martin plate available from Microbiology Minimum Volume:	87081



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
GONORRHOEAE CULTURE; THAYER MARTIN CULTURE Nursing Alias: CULTURE, GC READ Use: Limitations: Additional Info:		Critical Values(High): Causes For Rejection:	Centrifugation: Storage: ROOM TEMP -CO2 ENRICHED ENVIROMENT Transport: Room Temperature. Collection Notes: MUST BE INOCULATED DIRECTLY ON THE PLATE	
<b>CULTURE, GROUP B STREP</b> Synonyms: Beta-Hemolytic Strep Culture Nursing Alias: Culture, Group B Strep Use: Limitations: Additional Info:	C Grp B	Reference Range: No group B strep Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Swab of vaginal; cervical or other type of gynecological site Containers: Aerobic culture swab Minimum Volume: 1 swab Centrifugation: Storage: Transport: Collection Notes: Requisition must state specific site of specimen and date and time of collection.	87070
<b>CULTURE, HERPES</b> Synonyms: Herpes Culture; Herpes Simplex I and II Culture; HSV Culture Nursing Alias: Culture, Herpes Use: Limitations: Additional Info:	C Herpes LCA	Reference Range: No virus isolated Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Not applicable Containers: 7 mL Red Top Tube, No Additive Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes: Special viral transport medium must be obtained from Microbiology prior to collection of specimen. See (Viral Culture, Comprehensive). Requisition must state specific site of specimen and date and time of collection.; Specimen type depends on type of infection: Genital-vesicle fluid, lesion, endocervical. Conjunctivitis-conjunctival. Congenital-throat, vesicle, CSF, Meningitis-CSF, genital	87254



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<b>CULTURE, LEGIONELLA</b> Synonyms: Legionnaires Nursing Alias: Culture, Legionella Use: Limitations: Additional Info:	C Leg TR	Reference Range: No Legionella isolated Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Lung tissue; Other body tissue; Pleural fluid; Other body fluid; Transtracheal aspiration Containers: Sterile Screw Cap Container Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes: Requisition must state specific site of specimen and date and time of collection. Sputum is not recommended as specimen.	87081
<b>CULTURE, MRSA</b> Synonyms: Nursing Alias: Culture, MRSA Use: Limitations: Additional Info:	C MRSA	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: All Sources Containers: Aerobic culture swab Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes: This culture is intended to screen only for MRSA and does not include workup of any other bacterial types.	87070
<b>CULTURE, MYCOBACTERIA. BLOOD</b> Synonyms: Blood Culture for AFB; Blood Culture for Avium-intracellulare Nursing Alias: Culture, Mycobacteria Blood Use: Limitations: Additional Info:	C B AFB	Reference Range: No AFB Isolated at 3 Weeks; No AFB Isolated at 6 Weeks Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 1.5 mL ISOLATOR tube (for pediatrics or low volume draw) 10 mL ISOLATOR tube (for routine adult collections) Minimum Volume: The volume of blood depends upon the age of the patient.; Select appropriate size ISOLATOR tube to use, according to the table below: Patient's Age: Newborn - 3 years; Draw In: 1.5 mL ISOLATOR; Patient's Age: > 3 years; Draw In: 10 mL ISOLATOR Centrifugation: Storage: Transport: Collection Notes:	87116



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>CULTURE, SINUS</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:		Reference Range: NO AEROBIC OR ANAERBOIC BACTERIA Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Not applicable Containers: Anaerobic culture swab Minimum Volume: Centrifugation: Storage: ROOM TEMPERATURE Transport: Collection Notes:	87070, 87205
<b>CULTURE, SPUTUM</b> Synonyms: Routine Culture, Bacterial Culture, C&S Nursing Alias: Culture, Sputum Use: Limitations: Additional Info:	C RES	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Sputum Containers: Sterile aspiration collection container for suctioned sputa Sterile sputum collection container Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes: (Refer to table in the "Specimen Procurement Handling, Sample Collection" section in the front of this manual for further details on collection of specimens for culture.)	87070, 87205
<b>CULTURE, STOOL</b> Synonyms: Enteric Pathogens Culture; Feces Culture; Routine Culture,Stool; Stool for Pathogens Nursing Alias: Culture, Stool Use: Limitations: Additional Info:	C Stool	Reference Range: No Salmonella, Shigella, Campylobacter Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Fresh random stool Containers: Stool container Minimum Volume: 5 mL Centrifugation: Storage: Transport: Collection Notes: Specify specific pathogen suspected if not Salmonella, Shigella, Campylobacter. Requisition must state date and time of collection. Notify laboratory if E. coli 0157:H7 is suspected; bloody stools will be screened for E. coli 0157:H7	87045, 87046
<b>CULTURE, THROAT OR NASAL</b> Synonyms: Nursing Alias: Use:	C Throat	Reference Range: NORMAL OROPHARYNGEAL OR NORMAL NASOPHARYNGEAL	Specimen Type: Throat or tonsil Containers: Aerobic culture swab Minimum Volume: 1 SWAB Centrifugation:	87081



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Limitations: Additional Info:		FLORA (DEPENDING ON SITE) Critical Values(Low): Critical Values(High): Causes For Rejection:	Storage: Transport: Collection Notes:	
<b>CULTURE, TISSUE OR BIOPSY</b> Synonyms: Routine Culture, Bacterial Culture, C&S Nursing Alias: Culture, Tissue Or Biopsy Use: Limitations: Additional Info:		Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Tissue or biopsy Containers: Sterile container Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes: -Tissue or biopsy should be submitted in a sterile urine-type container or other suitable sterile container. If there is to be a delay in transport to the laboratory, moisten the specimen with a small amount of sterile saline.	87070, 87205
<b>CULTURE, URINE</b> Synonyms: Routine Culture, Urine; Urine C&S Nursing Alias: Culture, Urine Use: Limitations: Additional Info:	C U	Reference Range: < 1000 organisms/mL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Urine Containers: Sterile Screw Cap Container Minimum Volume: 2 mL Centrifugation: Storage: Transport: Collection Notes:	87086
<b>CULTURE, UROGENITAL</b> Synonyms: Routine Culture, Bacterial Culture, C&S Nursing Alias: Culture, Urogenital Use: Limitations: Additional Info:		Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Tissue or biopsy Containers: Aerobic culture swab Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes: Tissue or biopsy should be submitted in a sterile urine-type container or other suitable sterile container. If there is to be a delay in transport to the laboratory, moisten the specimen with a small amount of sterile	87070, 87205



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			saline.	
<b>CULTURE, VRE</b> Synonyms: VRE CULTURE, VRE SCREEN, ENTEROCOCCUS Nursing Alias: CULTURE, VRE Use: Limitations: Additional Info:	C VRE	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: All Sources Containers: Aerobic culture swab Minimum Volume: N/A Centrifugation: Storage: Transport: Collection Notes: THIS CULTURE IS INTENDED TO SCREEN ONLY FOR VRE AND DOES NOT INCLUDE WORKUP OF ANY OTHER BACTERIAL TYPES.	87081
<b>CULTURE, WOUND</b> Synonyms: ROUTING CULTURE, BACTERIA CULTURE, C&S, AEROBIC CULTURE Nursing Alias: CULTURE, WOUND Use: Limitations: Additional Info:	C Wnd	Reference Range: NO AEROBIC GROWTH OR ANAEROBIC GROWTH Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Not applicable Containers: Aerobic culture swab Anaerobic culture swab Minimum Volume: Centrifugation: Storage: Transport: Collection Notes:	87070, 87205
<b>CULTURE, YERSINIA</b> Synonyms: Routine Culture, Bacterial Culture, C&S, Stool Culture, Enteric pathogens culture Nursing Alias: Culture, Yersinia Use: Limitations: Additional Info:	MISS	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Fresh random stool Containers: Stool container Minimum Volume: 5 mL Centrifugation: Storage: Transport: Collection Notes:	87046
<b>CYCLIC CITRULLINE PEPTIDE</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	CCP	Reference Range: Refer to hard copy of report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Red Top Tube, No Additive Minimum Volume: 1.0ml Centrifugation: Storage: Transport: Collection Notes:	83520



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>CYSTIC FIBROSIS PROFILE</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Cyst Fib Panel	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Whole blood Containers: Lavender Top, EDTA Minimum Volume: 7 ml Centrifugation: Storage: Transport: Collection Notes:	83914 x 25, 83891, 83900, 84901 x 4, 83909, 83912
<b>CYTOLOGY, BUCCAL SMEAR FOR SEX CHROMATIN EVAL</b> Synonyms: Barr Bodies; Sex Chromatin Nursing Alias: Use: Limitations: Additional Info:	CYTO	Reference Range: Male: Less than 15% of cells positive; female: more than 20% of cells positive Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Scrape of buccal mucosa Containers: Smear on a glass slide in card-board container Minimum Volume: 4 slides (2 right side; 2 left side) Centrifugation: Storage: Transport: Collection Notes: Use manual requisition. Specimen: Scrape of buccal mucosa collected by cytotechnologist	
<b>CYTOLOGY, FINE NEEDLE ASPIRATION CYTOLOGY (NONPATHOLOGIST)</b> Synonyms: FNA by Nonpathologist Requiring Presence of Cytology Department; FNA with Radiologic Guidance Nursing Alias: Use: Limitations: Additional Info:	CYTO	Reference Range: Interpretive report issued. Negative to abnormal cells, some cells compatible with malignant neoplasm; can include some inflammatory processes and some infectious diseases Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Any fresh body fluid Containers: Preservcyt Fixative Container Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes: Use manual requisition. Container: All laboratory materials will be brought to the needle aspiration with the cytotechnician. Coplan jars, 95% alcohol, and frosted end glass slides are needed when the technician is not present.	
<b>CYTOLOGY, NONGENITAL</b> Synonyms: Breast or Nipple Discharge; Bronchial, Gastric, Esophageal, etc, Brushings or Washings; Cyst Aspirations; Fluid From Cul-deSac; Oral Cytology; Pleural, Ascitic,	CYTO	Reference Range: Interpretive report issued. Negative to abnormal cells - some cells compatible	Specimen Type: Not applicable Containers: Not Applicable Minimum Volume: Not Applicable Centrifugation:	



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Pericardial Fluids or Effusions; Spinal Fluid; Sputum; Urine Nursing Alias: Use: Limitations: Additional Info:		with malignant neoplasm; can include some inflammatory processes and some infectious diseases. Call ext. 5532 or 2511 with questions. Critical Values(Low): Critical Values(High): Causes For Rejection:	Storage: Transport: Collection Notes: Use manual requisition. Call ext 5078 for preservative/fixative. Smears placed on glass slides and immediate fixation in 95% alcohol or spray fixative.	
<b>CYTOLOGY, PNEUMOCYSTIS CARINII</b> Synonyms: Pneumocystis carinii pneumonia (PCP) Nursing Alias: Use: Limitations: Additional Info:	CYTO	Reference Range: Results interpreted by a pathologist. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Sputum; Bronchoalveolar lavage Containers: Not Applicable Minimum Volume: 1 ml Centrifugation: Storage: Transport: Collection Notes: Use manual requisition. Test best performed on bronchoalveolar lavage but can be done on a sputum specimen	
<b>CYTOLOGY, THIN PREP PAP SMEAR (VAGINAL/CERVICAL)</b> Synonyms: Cervical Smear; Cervicovaginal Cytology, Estrogen Effect Cytology; Genital Cytology; Hormonal Evaluation Cytology; Maturation Index; Pap Test; Papanicolaou Smear; Vaginal Cytology, Thin Prep Nursing Alias: Use: Limitations: Additional Info:	CYTO	Reference Range: Negative to abnormal cells consistent with malignant neoplasm; includes some inflammatory processes and some infectious diseases. Maturation index results are reported in percentages, ie, 0/70/30, indicating 0% parabasal, 70% intermediate and 30% superficial cells. Interpretation depends on individual clinical situation. For specific questions of interpretation call the Cytology Laboratory. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Swab of vaginal; cervical or other type of gynecological site Containers: Not Applicable Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes: Use manual requisition. Slides, fixative, spatulas, cytobrushes, Thin Prep supplies and requisitions are available from the Cytology department. If there are any questions concerning cytologyspecimens please contact the Cytology department at ext. 5532 or 2511.	



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>CYTOMEGALOVIRUS (CMV) Ab, IgM</b> Synonyms: CMV Acute Antibodies, IgM Nursing Alias: Use: Limitations: Additional Info:	CMV IgM	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 1.0 ml Centrifugation: Storage: Transport: Collection Notes:	86645
<b>CYTOMEGALOVIRUS IgM</b> Synonyms: Nursing Alias: CMV Antibodies, IGM Use: Limitations: Additional Info:	CMV IgM	Reference Range: Negative Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:	86645
<b>D-DIMER</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	D-Dimer	Reference Range: <0.47 Critical Values(Low): Critical Values(High): Causes For Rejection: QNS	Specimen Type: Plasma Containers: 4.5mL Light Blue Top Tube, Sodium Citrate, 3.2% Minimum Volume: 4.5mL Centrifugation: YES Storage: 4 HOURS RT Transport: Collection Notes:	85379
<b>DARK-FIELD EXAMINATION, SYPHILIS</b> Synonyms: Nursing Alias: Dark Field Exam Use: Limitations: Additional Info:	DF	Reference Range: No spirochetes seen Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Exudate from base of a cleansed unhealed chancre Containers: Clean test tube Slide with drop of saline and coverslip Minimum Volume: Several drops of exudate Centrifugation: Storage: Transport: Collection Notes: Container: Slide with drop of saline and coverslip or 0.5 mL saline in clean test tube	87164



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p><b>DIC PROFILE</b>            Synonyms: DIC Panel; DIC Evaluation; DIC            Nursing Alias: Dic Profile            Use:            Limitations:            Additional Info:</p>	DIC Profile	Reference Range: See individual tests Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 4.5mL Light Blue Top Tube, Sodium Citrate, 3.2% Minimum Volume: 5 or 3 mL Lavender, 2.7 or 4.5 mL Blue Centrifugation: Storage: Transport: Collection Notes:	85379, 85610, 85730, 85384, 85362, 85595
<p><b>DIFFERENTIAL, MANUAL</b>            Synonyms: Manual Diff; DIFF            Nursing Alias: Manual Differential            Use:            Limitations:            Additional Info:</p>	MDIF	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: Minimum Volume: 5 mL or 2 mL EDTA Lavender top for venipuncture; 400 ul EDTA microtainer for capillary specimen Centrifugation: Storage: Transport: Collection Notes:	85007
<p><b>DIGOXIN, SERUM</b>            Synonyms: Lanoxin; DGN            Nursing Alias: Digoxin, S            Use: To monitor digoxin therapy and check for possible toxicity. The range between therapeutic and toxic levels is narrow, and the incidence of toxicity is high.            Limitations:            Additional Info:</p>	Dig	Reference Range: Therapeutic range: 0.8-2.0 ng/mL Critical Values(Low): Toxic level: > 2.5 ng/mL Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	80162
<p><b>DIRECT ANTIGLOBULIN TEST</b>            Synonyms: DIRECT COOMBS, DAT            Nursing Alias: DIRECT COOMBS,BROAD SPECTRUM            Use: TO DETERMINE IF THE PATIENTS CELLS ARE COATED WITH GLOBULINS. MAY BE USEFULL IN DIAGNOSIS OF AUTOIMMUNE HEMOLYTIC ANEMIA (AIHA), DRUG-INDUCED HEMOLYSIS, HEMOLYTIC DISEASE OF THE NEWBORN (HDN), AND ALLOIMMUNE REACTIONS TO RECENT TRANSUSIONS            Limitations:</p>	Poly DAT	Reference Range: NEGATIVE Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 5 mL Lavender Top Tube, EDTA Minimum Volume: 1mL Centrifugation: Storage: Transport: Collection Notes:	86880



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Additional Info:				
<b>DOUBLE STRAND DNA ANTIBODY</b> Synonyms: Antibody to Double-Stranded DNA; Antibody to Native DNA; Anti-Double Stranded DNA; Anti-ds-DNA; DNA Antibody; n-DNA; ss-DNA Nursing Alias: DNA AB, Native Use: For confirming the diagnosis of systemic lupus erythematosus (SLE). Limitations: Additional Info:	DNA Ab	Reference Range: <100 AU/mL = Negative; 100-120 AU/mL = Equivocal; >120 AU/mL = Positive Critical Values(Low): Critical Values(High): Causes For Rejection: Hemolysis, lipemia, gross bacterial contamination, icterus	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator 7 mL Red Top Tube, No Additive Minimum Volume: 0.5 mL Centrifugation: Storage: Maintain at room temperature. Transport: Collection Notes:	86225
<b>DRUG SCREEN, RRM</b> Synonyms: Nursing Alias: Drug Screen,RRMC, Drug Screen, Urine, Urine Drug Screen Use: Limitations: Procedure MAY NOT detect therapeutic drug levels. Additional Info:	Drg Scn UR BCH	Reference Range: Negative Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Random urine Containers: Clean Screw Cap Container Minimum Volume: 100 mL urine Centrifugation: Storage: Transport: Collection Notes:	80100
<b>EBV ACUTE INFECTION PROFILE</b> Synonyms: EPSTEIN BARR, EBV Nursing Alias: EBV AB Screen, EBV ACUTE INFECTION PROF Use: Differentiation of acute from chronic or reactivated infections with Epstein-Barr virus. Limitations: Additional Info:	EBV Panel	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube + Activator Minimum Volume: 2 mL Centrifugation: Centrifuge promptly. Storage: Maintain specimen at room temperature. Transport: Collection Notes:	86664, 86665x2, 86663
<b>EBV CHRONIC INFECTION PROFILE</b> Synonyms: EBSTEIN BARR, EBV, CHRONIC Nursing Alias: EBV CHRONIC ACTIVE PROFILE Use: Confirm the diagnosis of chronic EBV disease. Limitations: Additional Info:	MISS	Reference Range: Refer to report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 2.0 mL Centrifugation: Storage: Maintain specimen at room temperature.	86665, 86664, 86663



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			Transport: Collection Notes:	
<b>ECHO VIRUS TITER</b> Synonyms: Enterovirus Culture Nursing Alias: Echovirus AB BY CF Use: Limitations: Additional Info:	MISS	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:	86658x5
<b>ELECTROLYTE PROFILE</b> Synonyms: Electrolyte Profile; Lytes, Blood; Serum Electrolytes; ELECT Nursing Alias: Electrolyte Profile Use: Limitations: Additional Info:	Lytes	Reference Range: See individual tests. Critical Values(Low): See individual tests. Critical Values(High): See individual tests. Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	80051
<b>ENTAMOEBA HISTOLYTICA SEROLOGICAL TEST</b> Synonyms: Amoebic Antibodies; Extraintestinal Amebiasis Serological Test Nursing Alias: E Histolytica Antibody Use: Limitations: Additional Info:	MISS	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:	86753
<b>EOSINOPHIL COUNT</b> Synonyms: Absolute Eosinophil Count; EOS Count; Total Eosinophil Count; Circulating Eosinophil Count; EOSC Nursing Alias: Eosinophil Count Use: Limitations: Additional Info:	EOS Cnt	Reference Range: 50-250 eosinophils/mm of blood Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 2 mL Lavender Top Tube, EDTA 5 mL Lavender Top Tube, EDTA Minimum Volume: 5 mL or 2 mL EDTA tubes for venipuncture; 400 ul for capillary specimen Centrifugation: Storage:	85025



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			Transport: Collection Notes: Container: 5 mL, or 2 mL lavender top tubes for venipuncture; 400 ul for capillary specimen	
<b>EPSTEIN-BARR VIRUS ACUTE INFECTION ANTIBODIES</b> Synonyms: EBV ACUTE INFECTION ANTIBODIES Nursing Alias: Use: Limitations: Additional Info:	EBV Panel	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 1mL Centrifugation: Storage: Transport: Collection Notes:	86663, 86664, 86665 X 2
<b>ERYTHROPOIETIN</b> Synonyms: EPO Nursing Alias: Erythropoietin Use: Limitations: Additional Info:	Erythropoietin	Reference Range: Refer to report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge Promptly Storage: Transport: Collection Notes:	82668
<b>ESTRADIOL</b> Synonyms: Nursing Alias: ESTRADIOL, 8414 Use: Limitations: Additional Info:	Estradiol	Reference Range: See report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 0.5 mL SERUM Centrifugation: Centrifuge and transfer specimen to clean, plastic, screw-capped vial(s). Storage: Transport: Transport refrigerated. Collection Notes:	82670
<b>FEBRILE AGGLUTININS, SERUM</b> Synonyms: Nursing Alias: Febrile Agglutinins Use: Limitations:	MISS	Reference Range: Normal: nonreactive or 1:20-1:80; abnormal: greater than 1:80. Two to a fourfold increase in titer in paired sera is usually	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 10 mL Centrifugation:	86000x6



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Additional Info:		indicative of recent infection. Titers on a single sample are not diagnostically significant. Critical Values(Low): Critical Values(High): Causes For Rejection:	Storage: Transport: Collection Notes:	
<b>FECAL FAT</b> Synonyms: Fatty Acid, Stool; Fecal Fat, Semiquantitative; Fecal Fat Stain; Neutral Fat, Stool; Qualitative Fat; Sudan III Stain, Stool Nursing Alias: Fecal Fat, Qual Use: Limitations: Additional Info:	FecFat QI	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Fresh random stool Containers: Stool container Minimum Volume: 1 mL of liquid stool or 2 grams of formed stool Centrifugation: Storage: Transport: Liquid stool should be transported in a water-proof container. Collection Notes:	82705
<b>FECAL FAT, QUALITATIVE</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	FecFat QI	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Stool Containers: Clean Screw Cap Container Minimum Volume: 3 grams Centrifugation: Storage: Transport: Collection Notes:	82705
<b>FERRITIN, SERUM</b> Synonyms: FERR Nursing Alias: Ferritin, S Use: To monitor changes in the body's iron stores and serve as an early indicator of iron deficiency anemia. Other applications include the monitoring of iron status and therapy of pregnant women, blood donors, renal dialysis patients, and also to check for iron overload. Elevated ferritin levels may be seen in inflammation, chronic liver disease, and malignancy. Limitations: Additional Info:	Fer	Reference Range: Female: (0-50 yrs) 6-137 ng/mL, (>50 yrs) 11-264 ng/mL; Males: 18-264 ng/mL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82728
<b>Fetal Fibronectin</b>	Fetal Fbn	Reference Range: Negative	Specimen Type: Swab of posterior	82731



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>Synonyms:  Nursing Alias:  Use: Assess the risk of pre-term delivery in women 22 to 35 weeks of pregnancy  Limitations: Only collect swab of the posterior fornix. Lab should assay immediately  Additional Info:</p>		<p>Critical Values(Low):  Critical Values(High):  Causes For Rejection:</p>	<p>fornix.  Containers: Special specimen collection kit  Minimum Volume:  Centrifugation:  Storage:  Transport: Quickly to lab for analysis  Collection Notes:</p>	
<p><b>FETAL-MATERNAL HEMORRHAGE TEST, QUANTITATIVE</b>  Synonyms: Fetaldex ; Kleihauer-Betke Stain  Nursing Alias:  Use: Preceded by a positive qualitative fetal screen result, the fetal cell stain is used to determine the number of whole vials of Rh immune globulin required to assure prophylaxis where a fetomaternal hemorrhage (FMH) in excess of 15 mL has occurred during parturition. Usually the volume of FMH is less than 15 mL during normal delivery. This test can be used to determine cases of fetal-maternal transfusion if the condition of the infant indicates massive blood loss. Unlike the fetal cell screen the blood types of mother and infant are of no consequence.  Limitations:  Additional Info:</p>	MISS	<p>Reference Range: Up to 0.6% fetal cells in maternal specimen; range of 10% to 60% adult cells normal in the full-term newborn.  Critical Values(Low):  Critical Values(High):  Causes For Rejection:</p>	<p>Specimen Type: Whole blood  Containers: 4 ml Lavender Top  Minimum Volume: 3.0 mL  Centrifugation:  Storage:  Transport:  Collection Notes:</p>	P9012
<p><b>FIBRINOGEN</b>  Synonyms: Fibrinogen Level; Quantitative Fibrinogen; FIBR  Nursing Alias: Fibrinogen  Use:  Limitations:  Additional Info:</p>	Fib	<p>Reference Range: 189-441 mg/dL  Critical Values(Low):  Critical Values(High):  Causes For Rejection:</p>	<p>Specimen Type: Blood  Containers: 2.7 mL Light Blue Top Tube, Sodium Citrate, 3.2%  4.5mL Light Blue Top Tube, Sodium Citrate, 3.2%  Minimum Volume: 2.7 mL or 4.5 mL  Centrifugation:  Storage:  Transport:  Collection Notes:</p>	85384
<p><b>FINE NEEDLE ASPIRATION CYTOLOGY, PALPABLE MASS (PATHOLOGIST)</b>  Synonyms: FNA by Pathologist; FNA with Quick Stain;</p>	CYTO	<p>Reference Range:  Interpretive report issued.  Critical Values(Low):</p>	<p>Specimen Type: Needle aspiration specimen obtained by pathologist  Containers: Preservcyt Fixative</p>	



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Needle Aspiration With Diff-Quick Stain Nursing Alias: Use: Limitations: Additional Info:		Critical Values(High): Causes For Rejection:	Container Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes: Use manual requisition	
<b>Folate, Serum</b> Synonyms: Folate Nursing Alias: Folate, S Use: Limitations: Additional Info:	Folate	Reference Range: 3.0-16.0 Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82746
<b>FOOD ALLERGY PROFILE, ADULT</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	MISS	Reference Range: Refer to hard copy of report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 3.0 mL Centrifugation: Storage: Transport: Collection Notes:	86003 X 11
<b>FREE K+L Lt CHAINS,Qn,S</b> Synonyms: Free Light Chains, Free Kappa Light Chains Nursing Alias: Use: Limitations: Additional Info:	Kappa Lambda	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: Centrifugation: Storage: Transport: Collection Notes:	83883, 83883
<b>FRESH FROZEN PLASMA</b> Synonyms: FFP; Plasma, Frozen Nursing Alias: 86972 Use: Contains primarily albumin, globulin, coagulation factors, water and electrolytes. While it can be used	TPLAS	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 7 mL Centrifugation:	86972



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temporarily for volume replacement in patients depleted of whole blood or colloid (such as burn cases), plasma is used primarily for its clotting factors and antibodies. Fresh Frozen plasma need not be ABO identical but should be ABO compatible with the recipient's red cells and can be given without regard to Rh type. Compatibility testing is not necessary because the plasma has been tested for unexpected antibodies. One unit of plasma is thawed at a time in 37 degrees C water bath. Thawing takes at least thirty minutes to accomplish. If the product is to be transfused as a source for labile coagulation factors it must be used within 24 hours after thawing. Limitations: Additional Info:			Storage: Transport: Collection Notes: Plasma must be transfused within 24 hours after thawing; once thawed it cannot be returned to the Blood Bank.	
<b>FROZEN TISSUE SECTION</b> Synonyms: Frozen Section; FS; Surgical Pathology Consultation Nursing Alias: Use: Limitations: Additional Info:	Call Anatomic Pathology, ext 5078	Reference Range: Results interpreted by Pathologist Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine Containers: Sterile petri dish Sterile sponge Sterile towel Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Immediately Collection Notes:	
<b>FSH (FOLLICLE STIMULATING HORMONE, SERUM)</b> Synonyms: FSH Nursing Alias: FSH Use: Limitations: Additional Info:	FSH	Reference Range: Refer to report Critical Values(Low): NA Critical Values(High):NA Causes For Rejection: UNLABELED SPECIMEN, PLASMA	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: 2-8 DEGREES C Transport: Collection Notes: CAN NOT USE EDTA AND CITRATED PLASMA	83001
<b>FTA-ABS, SERUM</b> Synonyms: Fluorescent Treponemal Antibody-Absorption Nursing Alias: FTA-ABS Use: Limitations:	FTA-ABS	Reference Range: None detected Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 7 mL Centrifugation:	86781



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Additional Info:			Storage: Transport: Collection Notes:	
<b>GALL BLADDER PROFILE</b> Synonyms: GB Nursing Alias: Gall Bladder Profile Use: Limitations: Additional Info:	Gall Blad Prof	Reference Range: See individual tests Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Storage: Transport: Collection Notes:	84450, 84460, 84075, 82247, 82150, 84520, 82565, 80051
<b>GAMMA GT</b> Synonyms: Gamma Glutamyl Transferase; Gamma GTP;GGT: GGTP: GT Nursing Alias: Gamma GT, S Use: To aid in the diagnosis of liver disease. Liver disease with increased GT levels include biliary obstruction, acute hepatitis, cirrhosis, and metastatic carcinoma of the liver. Diseases of the pancreas, MI, or CHF may cause moderate elevation. Limitations: Additional Info:	GGT	Reference Range: 12-58 u/L Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82977
<b>GASTRIC ANALYSIS, ACID SECRETION RATE (Pentagastrin)</b> Synonyms: Nursing Alias: Reference Lab Test Use: To determine the response of the stomach to normal stimuli (the basal acid output) and to determine the response of the stomach after stimulation with pentagastrin (the maximal acid output). HCl is absent from the gastric juice in achlorhydria, pernicious anemia, and some types of gastric carcinoma. The amount may be increased in Zollinger-Ellison syndrome, overproduction of the hormone gastrin, or in some cases of duodenal ulcer. Limitations: Additional Info:	MISS	Reference Range: Basal acid output (BAO): 0-6 mEq/hour; maximal acid output (MAO): 5-40 mEq/hour Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Gastric secretions; four basal and four 15-minute poststimulation collections. Containers: 8 plastic, 4-1/2 oz containers Minimum Volume: Entire individual collection Centrifugation: Storage: Transport: Collection Notes:	82928



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p><b>GASTRIN, SERUM</b>            Synonyms:            Nursing Alias: Gastrin            Use:            Limitations:            Additional Info:</p>	Gastrin	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection: Specimen not frozen.	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes: Fasting specimen required. (minimum 12 hours)	82941
<p><b>GENTAMICIN</b>            Synonyms: Garamycin            Nursing Alias: Gentamicin, Peak, S; Gentamicin, Trough, S; Gentamicin, Level, S            Use: Gentamicin is a powerful aminoglycoside which can cause nephrotoxicity and irreversible ototoxicity. Because of its side effects and the great variation of individual response to the drug, monitoring is important. Correct drawing times are essential in determining possible toxicity.            Limitations:            Additional Info:</p>	Gentamicin Level Trough (TROUGH); Gentamicin Level Peak (PEAK) Gentamicin Level; (RANDOM)	Reference Range: Trough: less than 2 ug/mL; peak: 4-8 ug/mL; Random: no range established Critical Values(Low): Critical Values(High):Trough level: > 2 ug/mL; peak level: > 10 ug/mL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Refrigerate Transport: Collection Notes: Follow these instructions to ensure that the gentamicin is collected at the proper time. Correct collection is critical. - Requests for trough and peak levels must be called to the Chemistry department. - The following information will be requested: Patient name, room number, trough or peak level, time of next dose, route of administration. - The laboratory will be responsible for collecting the trough level at the appropriate time (30 minutes prior to the next dose) If for some reason the blood has not been drawn, please do not administer the gentamicin because this will invalidate the test results. Please call the laboratory and we will send someone up to collect the blood. - If a peak level has been ordered, contact the Chemistry Department as soon as the entire dose has been infused (if given by IV) or as soon as the dose has been injected (if given intramuscularly). The laboratory	80170



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			will be responsible, after notification by the unit, for collecting the peak level at the appropriate time. - If a random level has been ordered, the laboratory will draw the specimen at the time specified by the physician.	
<b>GIARDIA by EIA</b> Synonyms: Giardia lamblia Antigen by EIA Nursing Alias: Giardia Antigen BY EIA Use: Limitations: Additional Info:	Giardia Scrn	Reference Range: Not Detected Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Stool Containers: Clean Screw Cap Container Minimum Volume: 0.2 mL liquid or pea size solid Centrifugation: Storage: Transport: Collection Notes: Submit stool in PVA solution at room temperature or in a clean leak-proof container in refrigeration.	87328
<b>GLIADIN ANTIBODY PANEL</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Gliadin Ab	Reference Range: Refer to hard copy of report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 1.0ml Centrifugation: Storage: Transport: Collection Notes:	83520 X 2
<b>GLUCAGON</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	MISS	Reference Range: Refer to hard copy of report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Plasma Containers: 4 ml Lavender Top Minimum Volume: 1.0ml Centrifugation: Storage: Transport: Collection Notes:	82943
<b>GLUCOSE (PLEURAL FLUID)</b> Synonyms: GLUCOSE, PLEURAL Nursing Alias: GLUCOSE, PLEURAL FLUID	BF Glu (specify Pleural fluid)	Reference Range: 55-105 mg/dl Critical Values(Low):	Specimen Type: Pleural fluid Containers: Sterile container Minimum Volume: 1mL	82945



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Use: Limitations: Additional Info:		Critical Values(High): Causes For Rejection:	Centrifugation: Storage: Transport: Collection Notes: STATE SOURCE OF FLUID ON REQUISITON	
<b>GLUCOSE 6-PHOSPHATE DEHYDROGENASE, BLOOD</b> Synonyms: G-6-PD, Quantitative, Blood; G-6-PDH Nursing Alias: Reference Lab Test Use: Limitations: Additional Info:	MISS	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 4 mL Lavender Top Tube, EDTA Minimum Volume: 4 mL Centrifugation: Storage: Transport: Collection Notes:	82955
<b>GLUCOSE SCREENING TEST FOR GESTATIONAL DIABETES</b> Synonyms: GG1 Nursing Alias: Glucose, 1 HR, S Use: As a screening test for gestational diabetes mellitus Limitations: Additional Info:	GTT1	Reference Range: A serum glucose value of > 140 mg/dL is considered abnormal, and the oral glucose tolerance is recommended for these patients. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly Storage: Transport: Collection Notes:	82950
<b>GLUCOSE TOLERANCE TEST (NONPREGNANT PATIENTS)</b> Synonyms: Nursing Alias: Glucose Tolerance, 2 Hour (S); Glucose Tolerance, 3 Hour (S); Glucose Tolerance, 4 Hour; Glucose Tolerance, 5 Hour, Glucose Tolerance, 6 Hour Use: To diagnose diabetes or hypoglycemia in nonpregnant patients. (Currently, fasting blood glucose values repeatedly > 125 gm/dL are the method of choice to diagnosis diabetes urellitus). Limitations: Additional Info:	GTT2 (2 HOUR), GTT3 (3 HOUR), GTT4 (4 HOUR), GTT5 (5 HOUR), GTT6 (6 HOUR)	Reference Range: Interpretation by pathologist Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly Storage: Transport: Collection Notes: The patient must be at least 8 hours fasting but no more than 16 hours prior to the test. Only water and medication are allowed during the fast.	2 hour: 82951, 82952x2, 3 hour: 82951, 82952x3, 4 hour: 82951, 82952x4, 5 hour: 82951, 82952x5, 6 hour: 82951, 82952x6
<b>GLUCOSE TOLERANCE TEST, GESTATIONAL</b>	Glucose Tolerance	Reference Range:	Specimen Type: Blood	82951, 82952



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Synonyms: Nursing Alias: Glucose Tolerance, Gestational (S) Use: To diagnose gestational diabetes Limitations: Additional Info:	(Gestational)	Interpretation by pathologist Critical Values(Low): Critical Values(High): Causes For Rejection:	Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly Storage: Transport: Collection Notes:	
<b>GLUCOSE, BLOOD</b> Synonyms: Blood Sugar; Blood Glucose; GLU Nursing Alias: Glucose, S Use: To determine abnormal blood sugar. Limitations: Additional Info:	GLU	Reference Range: (Fasting) 65 - 99 mg/dL Critical Values(Low): Normal Newborn: < 35 mg/dL, Infants (> 72 h old to Adolescents 18y): < 45 mg/dL, Adults: < 45 mg/dL Critical Values(High):Normal Newborn: > 300 mg/dL, Infants (> 72 h old to Adolescents 18y): > 300 mg/dL, Adults: > 350 mg/dL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly Storage: Transport: Collection Notes:	82947
<b>GLUCOSE, BODY FLUID</b> Synonyms: Nursing Alias: Glucose, Fluid Use: Limitations: Additional Info:	CSF Glu (CSF) BF Glu (specify the type of fluid, synovial, Pleural, other.)	Reference Range: Spinal fluid: 40-70 mg/dL; synovial fluid: 55-105 mg/dL; pleural fluid: 65-115 mg/dL; other fluids: not established. Critical Values(Low): Spinal fluid: <35 mg/dL Critical Values(High):Spinal fluid: >250 mg/dL Causes For Rejection:	Specimen Type: Any fresh body fluid Containers: Sterile tube Minimum Volume: 1 mL Centrifugation: Storage: Transport: Collection Notes: State source of fluid on requisition (e.g., pleural, peritoneal, pericardial, synovial, cyst)	82945
<b>GLUCOSE, CSF</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	CSF Glu	Reference Range: 40-70 mg/dL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: CSF Containers: Sterile tube Minimum Volume: 1 mL Centrifugation: Storage: Transport: Collection Notes:	

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>GLUCOSE, SYNOVIAL FLUID</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	BF Glu (specify synovial fluid)	Reference Range: 55-105 mg/dL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Synovial fluid Containers: Sterile tube Minimum Volume: 1 mL Centrifugation: Storage: Transport: Collection Notes:	
<b>GLUCOSE, TWO HOUR POSTPRANDIAL</b> Synonyms: 2-Hour PC Glucose; PP Glucose, Two Hour; 2HRPC Nursing Alias: Glucose 2 HR, S Use: To detect abnormal blood sugar levels in response to a meal; can be used as a screen for diabetes mellitus. Limitations: Additional Info:	Glu 2hr PC	Reference Range: 65-140 mg/dL Critical Values(Low): See critical values for Glucose, Blood Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly Storage: Transport: Collection Notes: Blood must be drawn 2 hours after the patient has eaten a meal. Notify the laboratory when blood is to be drawn.	82950
<b>GLUTAMIC ACID DECARBOXYLASE ANTIBODY</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	MISS	Reference Range: Refer to hard copy of report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 1.0ml Centrifugation: Storage: Transport: Collection Notes:	83519
<b>GLYCOHEMOGLOBIN (GHb),TOTAL</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	HBA1C	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Whole blood Containers: Lavender Top, EDTA Minimum Volume: 7 ml Centrifugation: Storage: Transport: Collection Notes:	83036
<b>GRAM STAIN</b> Synonyms: Bacterial Smear; Direct Smear, Bacteria;	Gram Stain	Reference Range: Depends on site of specimen	Specimen Type: Not applicable Containers: Aerobic culture swab	87205



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Routine Stain, Bacteria; Smear Nursing Alias: Gram Stain Use: Limitations: Additional Info:		Critical Values(Low): Critical Values(High): Causes For Rejection:	Smear on a glass slide in card-board container Sterile Screw Cap Container Minimum Volume: 2 mL (minimum) or one swab Centrifugation: Storage: Transport: Collection Notes: Requisition must state specific site of specimen and date and time of collection.	
<b>H.PYLORI STOOL AG. EIA</b> Synonyms: HELICOBACTER PYLORI STOOL ANTIGEN Nursing Alias: CAMPYLOBACTER PYLORI Use: Limitations: Additional Info:	H Pylori Ag St	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Fresh random stool Containers: Sterile Screw Cap Container Minimum Volume: 1 gram stool Centrifugation: Storage: Transport: Collection Notes:	87338
<b>HAPTOGLOBIN, SERUM</b> Synonyms: HAPTO Nursing Alias: Haptoglobin, S Use: Limitations: Additional Info:	Haptoglobin	Reference Range: 35-215 mg/dL Critical Values(Low): None defined. Critical Values(High):None defined. Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	83010
<b>HCG, QUALITATIVE (SERUM)</b> Synonyms: hcG, Qualitative, Serum; hcG, Serum; Serum Pregnancy; HCGQL Nursing Alias: HCG, Qualitative, S Use: Limitations: Additional Info:	HCG Qual	Reference Range: Negative Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84703
<b>HCG, QUALITATIVE (URINE)</b>	U HCG Qual	Reference Range: Negative	Specimen Type: Random urine	81025



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>Synonyms: hcG, Qualitative, Urine; hcG, Urine; Urine Pregnancy            Nursing Alias: HCG, Qualitative Urine            Use:            Limitations:            Additional Info:</p>		<p>Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Containers: Clean Screw Cap Container            Minimum Volume: 10 mL urine            Centrifugation:            Storage:            Transport:            Collection Notes: First morning specimen preferred</p>	
<p><b>HCV RNA by PCR, RFX GENO</b>            Synonyms:            Nursing Alias:            Use:            Limitations:            Additional Info:</p>	HCV RNA Gen	<p>Reference Range:            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Blood            Containers: 6 mL Yellow Top Tube + Activator            Minimum Volume: 1 mL            Centrifugation:            Storage:            Transport:            Collection Notes:</p>	87522
<p><b>HEAVY METAL SCREEN, URINE</b>            Synonyms:            Nursing Alias: Heavy Metals (U)            Use:            Limitations:            Additional Info:</p>	Hvy Met U Qut	<p>Reference Range: Refer to report            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: 24 hour urine            Containers: 24 hour Urine Container            Minimum Volume: Entire collection            Centrifugation:            Storage: During collection refrigerate or keep on ice.            Transport:            Collection Notes: Obtain plastic urine container from the Chemistry department. Urine must be preserved with 25 mL of 50% acetic acid. During collection refrigerate or keep on ice.</p>	82175, 82570, 83655, 83825
<p><b>HELICOBACTER PYLORI SEROLOGY</b>            Synonyms: Campylobacter pylori serology            Nursing Alias: H Pylori IGG, Qual            Use:            Limitations:            Additional Info:</p>	Helico IgG Ab	<p>Reference Range: None detected            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Blood            Containers: 6 mL Gold Top Tube, Gel + Activator            Minimum Volume: 5 ML            Centrifugation:            Storage:            Transport:            Collection Notes:</p>	86677



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>HEMOGLOBIN &amp; HEMATOCRIT</b> Synonyms: Hgb; HH Nursing Alias: HGB & HCT Use: Limitations: Additional Info:	H/H	Reference Range: Critical Values(Low): Adult Hgb < 7 gm/dl; Newborn <9.5 gm/dl ; Hct <21% Critical Values(High):Adult: Hgb >20 gm/dl; Newborn >22 gm/dl; Hct none Causes For Rejection: Specimen clotted	Specimen Type: Blood Containers: 2 mL Lavender Top Tube, EDTA 5 mL Lavender Top Tube, EDTA Lavender Top Microtainer, EDTA Minimum Volume: 5 mL or 2mL for venipuncture; 400 ul for capillary specimen Centrifugation: Do Not Centrifuge Storage: Store At Room Temperature Transport: Transport To Hematology Within 24 Hrs Collection Notes: IF using capillary do not "milk site	85018, 85014
<b>HEMOGLOBIN A1C</b> Synonyms: Fast Hemoglobins; GHB; Glycosylated Hemoglobin; HbA1C; A1C Nursing Alias: Hemoglobin A1C Use: Limitations: Additional Info:	HBA1C	Reference Range: 4.2 - 5.8 % Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 4 mL Lavender Top Tube, EDTA Minimum Volume: 5 mL Centrifugation: Storage: Transport: Collection Notes:	83036
<b>HEMOGLOBIN ELECTROPHORESIS</b> Synonyms: Nursing Alias: Hemoglobin Electrophoresis Use: Limitations: Additional Info:	Hgb Frac Profile	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 4 mL Lavender Top Tube, EDTA Lavender Top Microtainer, EDTA Minimum Volume: 4 mL Centrifugation: Storage: Transport: Collection Notes:	83021, 85660
<b>HEPARIN INDUCED ANTIBODY</b> Synonyms: HAT ; Heparin-Associated Thrombocytopenia Antibody ; Heparin-Induced Thrombocytopenia Antibody ; HIPA ; HITA Nursing Alias: HEPARIN INDUCED ANTIBODY	PLTHAT	Reference Range: 0.0-0.4 OD units Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 2.0 mL Centrifugation:	86022



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Use: Assist in the diagnosis of heparin-induced thrombocytopenia Limitations: Additional Info:			Storage: FROZEN SERUM Transport: Collection Notes: Transfer serum to a plastic transport tube. To avoid delays in turnaround time when requesting multiple tests on frozen samples, please submit separate frozen specimens for each test requested.	
<b>HEPARIN LEVEL ANTI X-A</b> Synonyms: HEPARIN ASSAY ANTI X-A Nursing Alias: HEPARIN X-A Use: Limitations: Additional Info:	Heparin Assay	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Plasma Containers: 4.5mL Light Blue Top Tube, Sodium Citrate, 3.2% Minimum Volume: 4.5 mL Centrifugation: Storage: Transport: Collection Notes:	85520
<b>HEPATIC FUNCTION PANEL A</b> Synonyms: HFP Nursing Alias: Hepatic Function Panel A Use: Limitations: Additional Info:	Liver TR	Reference Range: See individual tests Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	80076
<b>HEPATITIS A ANTIBODY, IgM</b> Synonyms: Antibody to Hepatitis A virus, IgM Nursing Alias: Hepatitis A IGM Antibody Use: Limitations: Additional Info:	Hep A IgM	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	86709
<b>HEPATITIS B CORE ANTIBODY, IgM</b> Synonyms: Nursing Alias: Hepatitis B Core IGM Antibody	HBcAb IgM	Reference Range: Refer to report Critical Values(Low):	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator	86705



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Use: Limitations: Additional Info:		Critical Values(High): Causes For Rejection:	Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	
<b>HEPATITIS B SURFACE ANTIBODY</b> Synonyms: Nursing Alias: Hep B Surface AB QN Use: Test is recommended to follow up patients who have had the hepatitis B vaccine. An anti-HBs antibody titer greater than 12.0 mIU/mL is an indication of immunity to HBV. NOTES ON HEPATITIS VACCINE: The second and third doses of HBV vaccine are administered one month and six months after the first dose. It is recommended that the HBsAb, Quant. be ordered one or two months after the last vaccine dose to assess the immune status of the patient. Limitations: Additional Info:	HBSAB	Reference Range: Refer to report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	86706
<b>HEPATITIS B SURFACE ANTIGEN</b> Synonyms: Australian Antigen; HAA; HBsAg; Hepatitis Associated Antigen; Hepatitis B Antigen; HBSAG Nursing Alias: Hepatitis B Surface Antigen Use: Limitations: Additional Info:	HbsAg	Reference Range: Negative Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	87340
<b>HEPATITIS Be ANTIBODY</b> Synonyms: Anti-HBe; HBeAb Nursing Alias: Hepatitis Be Antibody Use: Limitations: Additional Info:	Hep Be Ab	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	86707
<b>HEPATITIS Be ANTIGEN</b>	Hep Be Ag	Reference Range: Refer to	Specimen Type: Blood	87350



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Synonyms: HBeAg Nursing Alias: Hepatitis Be Antigen Use: Limitations: Additional Info:		report Critical Values(Low): Critical Values(High): Causes For Rejection:	Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	
<b>HEPATITIS C VIRUS GENOTYPING</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Hep C Geno	Reference Range: Refer to hard copy of report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Plasma Containers: 4 ml Lavender Top Minimum Volume: 1.0ml Centrifugation: Storage: Transport: Collection Notes:	87902
<b>HEPATITIS C VIRUS IGG ANTIBODY</b> Synonyms: Nursing Alias: Hepatitis C Virus AB Use: Limitations: Additional Info:	Hep C antibody	Reference Range: Refer to report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	86803
<b>HERPES SIMPLEX VIRUS IGM AB</b> Synonyms: Herpes Antibodies; Herpes Titer; Acute Herpes Titer Nursing Alias: HSV 1&2 IGM Antibody Use: Limitations: Additional Info:	HSV IgM Ab	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 5 mL Centrifugation: Storage: Transport: Collection Notes:	86694
<b>HIGH DENSITY LIPOPROTEIN CHOLESTEROL</b> Synonyms: HDL Cholesterol; HDL Nursing Alias: High Density Lipoprotein, S Use: As a predictor of coronary risk to date. The lower the HDL level, the higher the risk of coronary artery disease.	HDL	Reference Range: Female: 40-86 mg/dL; Male: 40-67 mg/dL Critical Values(Low): Critical Values(High):	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly.	83718



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
High levels appear to be beneficial, since the risk of coronary artery disease is reduced. The current theory of HDL cholesterol mechanism is that LDL (low density lipoprotein) deposits cholesterol on the arterial wall while HDL cholesterol removes it from the arterial wall. Limitations: Lipemia interferes with the HDL test methodology currently in use in our laboratory. Lipemic specimens must sometimes be sent to our reference laboratory for analysis. Additional Info:		Causes For Rejection:	Storage: Transport: Collection Notes:	
<b>HISTONE ANTIBODY</b> Synonyms: HISTONE, HISTONE AB Nursing Alias: HISTONE, HISTONE AB Use: Useful in the diagnosis of drug-induced lupus. Limitations: Additional Info:	MISS	Reference Range: <100 AU/mL = Negative; 100-120 AU/mL = Equivocal; >120 AU/mL = Positive Critical Values(Low): Critical Values(High): Causes For Rejection: Hemolysis, lipemia, gross bacterial contamination, icterus	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator 7 mL Red Top Tube, No Additive Minimum Volume: 0.5 mL serum Centrifugation: Storage: Maintain at room temperature. Transport: Collection Notes:	83520
<b>HLA-B27</b> Synonyms: HLA-Antigen B27 Nursing Alias: HLA-B27 Antigen Use: Limitations: Additional Info:	HLA B27 LC	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection: Sample has been refrigerated.	Specimen Type: ACD-A whole blood Containers: ACD-A (Yellow top tube) Minimum Volume: 12 mL Centrifugation: DO NOT CENTRIFUGE Storage: Keep tube at room temperature. Transport: Collection Notes: 2 full ACD-A (yellow top) tube	86812
<b>HOMOCYSTEINE</b> Synonyms: Nursing Alias: Homocysteine, Total Use: Limitations: Additional Info:	Homocysteine Total	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Whole blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 4 mL Centrifugation: Storage: Transport: Collection Notes: Lavender top tube	83090



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			perferred, but serum is accepted. Remove plasma/serum from cells as soon as possible.	
<b>HSV 1 AND 2 IGG ANTIBODY</b> Synonyms: Herpes Antibodies; Herpes Titer Nursing Alias: HSV 1&2 IGG Antibody Use: Limitations: Additional Info:	HER 1/2 IgG	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 7 mL Centrifugation: Storage: Transport: Collection Notes: For requests on infants, also submit the mother's serum at the same time. A follow-up titer drawn 2-4 weeks after the acute specimen is strongly recommended. A comparison of titers is required for diagnosing current infection or reactivation.	86695, 86696
<b>HUMAN IMMUNODEFICIENCY VIRUS ANTIBODY SCREEN (HIV)</b> Synonyms: Acquired Immunodeficiency Syndrome; AIDS Screening Test; Anti-HTLV-III Antibody; HIV Antibody; HIV EIA; HTLV-III Antibody Detection; Human T-Lymphotropic Virus Type 111 Nursing Alias: HIV Scr -WB Conf Use: Limitations: Additional Info:	HIV 1/ 2	Reference Range: Negative Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 7 mL Centrifugation: Storage: Transport: Collection Notes: Special attention should be given to universal precautions in handling blood. The patient is billed for any supplemental testing in the case of a positive EIA. STATE LAW REQUIRES THAT INFORMED CONSENT BE OBTAINED. Patient is required to sign that informed consent has been obtained.	86701
<b>HUMAN PAPILLOMAVIRUS (HPV) SCREEN/TYPING</b> Synonyms: Screen for genital warts Nursing Alias:	CYTO	Reference Range: Refer to report Critical Values(Low):	Specimen Type: Endocervical swab or biopsy; Biopsy of penile lesion Containers: Special specimen collection	



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Use: Limitations: Additional Info:		Critical Values(High): Causes For Rejection:	kit Minimum Volume: One swab or biopsy from site Centrifugation: Storage: Transport: Collection Notes: Requires special collection kit obtained from Microbiology. Instructions for specimen collection and transport are included in the kit.	
<b>IgE+ALLERGENS (12)</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	IgE + Allergens	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 2 ml Centrifugation: Storage: Transport: Collection Notes: 2 tubes	86003 x 11, 82785
<b>IMMUNOELECTROPHORESIS, RANDOM URINE</b> Synonyms: IMMUNOELECTROPHORESIS, RANDOM URINE Nursing Alias: IMMUNOELECTROPHORESIS, RAND UR Use: Limitations: Additional Info:	UIFE	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Random urine Containers: Clean Screw Cap Container Minimum Volume: 11 mL preferred; at least 2 mL required. Centrifugation: Storage: Transport: Collection Notes:	86335, 84156
<b>IMMUNOELECTROPHORESIS, SERUM</b> Synonyms: IFE, Serum; Immunoelectrophoresis for Myeloma Proteins, Serum; IFE-S Nursing Alias: Immunoelectrophoresis, S Use: The immunoelectrophoresis technique separates serum protein into its major fractions and identifies a deficiency or excess in one or more of the immunoglobulin components. Immunoelectrophoresis is a follow-up procedure indicated when protein electrophoresis or quantitative immunoglobulin profile results are abnormal. Our present immunoelectrophoresis method identifies IgG,	IFE	Reference Range: Interpretation by pathologist Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge Promptly. Storage: Transport: Collection Notes:	86334



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
IgM, IgA, kappa and lambda chains. Limitations: Additional Info:				
<b>IMMUNOGLOBULIN A</b> Synonyms: IgA; Quantitative IgA Nursing Alias: Immunoglobulin A, S Use: Abnormal levels have been found in a number of illnesses. Decreased IgA values can be found in agammaglobulinemia, lymphoid aplasia, IgG myeloma, Waldenstrom's macroglobulinemia, acute and chronic lymphoblastic leukemia, chronic myeloblastic leukemia, and protein-losing conditions. Increased values can be seen in erythematosis, rheumatoid arthritis, IgA myeloma, cirrhosis, and acute hepatitis. Limitations: Additional Info:	IGA	Reference Range: Accompanies report, ranges vary with age. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82784
<b>IMMUNOGLOBULIN G</b> Synonyms: IgG; Quantitative IgG Nursing Alias: Immunoglobulin G, S Use: IgG, the largest class of immunoglobulins, contains the antinuclear antibodies, incomplete Rh antibodies, immune ABO blood group antibodies, antibodies to insulin, ragweed, and many others. Decreased levels can be found in agammaglobulinemia, lymphoid aplasia, selective IgG deficiency, IgG Amyeloma, Waldenstrom's macroglobulinemia, chronic lymphoblastic leukemia, and protein-losing conditions. Increased levels can be seen in lupus erythematosis, rheumatoid arthritis, IgG myeloma, cirrhosis, acute hepatitis, pulmonary TB, and chronic infection. Limitations: Additional Info:	IGG	Reference Range: Accompanies report, ranges vary with age. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82784
<b>IMMUNOGLOBULIN G, SUBCLASS 4</b> Synonyms: IgG Subclass 4 Nursing Alias: Use: Limitations:	IgG Subs	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 1 mL Centrifugation:	82787



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Additional Info:			Storage: Transport: Collection Notes:	
<b>IMMUNOGLOBULIN M</b> Synonyms: IgM; Quantitative IgM Nursing Alias: Immunoglobulin M, S Use: IgM contains most natural antibodies, ABO blood group isohemagglutinins, cold agglutinins, IgG autoantibodies (rheumatoid factors), Wassermann antibodies, heterophil antibodies, saline Rh antibodies, and others. Decreased levels can be found in agammaglobulinemia, lymphoid aplasia, selective IgM deficiency, IgG and IgA myeloma, lymphoblastic leukemia, and protein losing conditions, increases can be found in lupus erythematosus, rheumatoid arthritis, Waldenstrom's macroglobulinemia, cirrhosis, acute hepatitis, pulmonary TB, and chronic infection. Limitations: Additional Info:	IGM	Reference Range: Accompanies report, ranges vary with age. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82784
<b>IMMUNOGLOBULIN PROFILE</b> Synonyms: IgG,A,M; Immunoglobulin G,A,M; Serum Immunoglobulins; IMMUN Nursing Alias: Immunoglobulin Profile Use: Limitations: Additional Info:	Immuno Qnt	Reference Range: See individual tests Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82784x3
<b>INDIA INK PREPARATION</b> Synonyms: Cerebrospinal Fluid India Ink Preparation; Cryptococcus Preparation; Cryptococcus Stain; Nigrosin Preparation Nursing Alias: India Ink Prep Use: Limitations: Additional Info:	India Ink	Reference Range: No encapsulated yeast Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Cerebrospinal fluid collected aseptically Containers: Sterile CSF collection tube Minimum Volume: 0.5 mL Centrifugation: Storage: Transport: Collection Notes:	87210



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>INFLUENZA A AND B TITER</b> Synonyms: Flu Virus Titer Nursing Alias: Influenza A & B Antibodies Use: Limitations: Additional Info:	MISS	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:	86710x2
<b>INFLUENZA A/B ANTIGEN BY OIA</b> Synonyms: Nursing Alias: FLU SWAB, FLU Use: Limitations: Additional Info:	Influ A&B	Reference Range: NEGATIVE FOR INFLUENZA A/B ANTIGEN Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Nasopharyngeal swabs Containers: Sterile container Minimum Volume: 3mL Centrifugation: Storage: ROOM TEMP Transport: IMMEDIATELY Collection Notes: OBTAIN FLU COLLECTION KIT WITH DETAILED COLLECTION PROCEDURE FROM MICROBIOLOGY	87400
<b>INSULIN TOLERANCE TEST</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	5572	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL each venipuncture Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes: Separate serum from cells promptly after collection.	Call for CPT codes
<b>INSULIN, TOTAL</b> Synonyms: Total Insulin Nursing Alias: Insulin Use: Limitations: Additional Info:	Insulin Lvl	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly Storage: Frozen Transport: Frozen Collection Notes: Separate serum from cells promptly after collection,	83525



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>IRON, LIVER TISSUE</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Call Anatomic Pathology	Reference Range: IRON - Males: 400-2,200 ug/g dry weight Females: 100-1,600 ug/g dry weight Reference Values IRON INDEX < 1.0 umol/g/year Critical Values(Low): Critical Values(High): Causes For Rejection: Submitted in metal container	Specimen Type: Fresh tissue with no added fixative or fluid; submitted in a sterile container or sponge Containers: Not Applicable Minimum Volume: 0.5 ml Centrifugation: Storage: Transport: Collection Notes: This is a test sent to MAYO MEDICAL LABORATORIES. Specimen must be sent in a metal free specimen vial obtained in the histopathology laboratory.	
<b>IRON, SERUM</b> Synonyms: Fe; IRON Nursing Alias: Iron, S Use: Increased iron levels may be found in pernicious anemia, hemolytic anemia, some liver diseases, and in hemochromatosis. Decreased levels can be found in dietary iron deficiency, malabsorption of iron by the small intestines, blood loss uncompensated by iron intake or reserve, scurvy, polycythemia, and iron deficiency anemia. Limitations: Additional Info:	Fe	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	83540
<b>K082 LATEX</b> Synonyms: Latex Specific IgE Nursing Alias: Use: Limitations: Additional Info:	Latex	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 1 ml Centrifugation: Storage: Transport: Collection Notes:	86003
<b>LACTATE</b> Synonyms: LACTATE, LACTIC ACID Nursing Alias: LACTATE Use: Limitations:	Lactic Acid	Reference Range: 0.7-2.1 mmol/L Critical Values(Low): NONE Critical Values(High):NONE Causes For Rejection: TUBE	Specimen Type: Plasma Containers: Gray Top Tube, Sterile Sodium Fluoride Minimum Volume: TUBE NEEDS TO BE AT LEASE 1/2 FULL	83605



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Additional Info:		NOT 1/2 FULL	Centrifugation: CENTRIFUGURE AND REMOVE PLASMA WITHIN 15MIN OF COLLECTION AND REFRIGERATE Storage: REFRIGERATE 2-8c FOR UP TO 14 DAYS Transport: ON ICE IF NOT ANALYZED WITHIN 8 HOURS Collection Notes: PATIENT AT REST WITHOUT THE USE OF A TOURNIQUET OR WITHIN 3 MIN OF APPLYING THE TOURNIQUET BUT BEFORE RELEASING THE TOURNIQUET	
<b>LDH</b> Synonyms: LD; Lactate Dehydrogenase Nursing Alias: LDH, S Use: LDH is present in most tissues, and especially in cardiac and skeletal muscle. In myocardial infarction, LDH may rise within 24 hours of the infarct and in some cases, may remain elevated for 10-14 days. Liver diseases such as toxic jaundice, viral hepatitis, infectious mononucleosis, cirrhosis, and obstructive jaundice can cause elevated LDH levels. Pernicious anemia, megaloblastic anemia, widespread metastasis, and damage to the skeletal muscle (through physical trauma or disease) may also cause elevated LDH levels. Limitations: Additional Info:	LDH	Reference Range: Male: 118-242 U/L female: 122-220 U/L Critical Values(Low): Critical Values(High): Causes For Rejection: Hemolysis	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	83615
<b>LDH, BODY FLUID</b> Synonyms: Lactate Dehydrogenase, Fluid Nursing Alias: LDH, Fluid Use: Limitations: Additional Info:	BF LDH	Reference Range: Refer to Report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Fluid Containers: Sterile tube Minimum Volume: 1 mL Centrifugation: Storage: Transport: Collection Notes: State source of fluid on requisition (e.g., pleural, peritoneal, pericardial, synovial, cyst)	83615



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>LEAD, BLOOD</b> Synonyms: Pb, Blood Nursing Alias: Lead (B) Use: Limitations: Additional Info:	Lead Adult	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Whole blood Containers: Dark blue top tube with EDTA Minimum Volume: 5 mL Centrifugation: Storage: Transport: Collection Notes:	83655
<b>LEAD, BLOOD (PEDIATRIC)</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Lead Level Pediatrics	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Whole blood Containers: Lavender Top Microtainer, EDTA Lavender Top, EDTA Minimum Volume: 0.5 mL (capillary) or 3 mL (venous) Centrifugation: Storage: Transport: Collection Notes:	83655
<b>LEGIONELLA PNE DFA</b> Synonyms: FA SMEAR FOR LEGIONELLA PNEUMOPHILA Nursing Alias: Use: Limitations: Additional Info:	Leg ID DFA	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Lung tissue; Pleural fluid; Transtracheal aspiration; Bronchoscopy or Aveolar Washing/Lavage Containers: Clean Screw Cap Container Minimum Volume: 1 mL lung exudate or 1cc lung biopsy Centrifugation: Storage: Transport: Collection Notes:	87278
<b>LEGIONELLA PNEUMOPHILA IgG AB</b> Synonyms: Legionella pneumophila antibody; Legionella titer, Legionnaires disease Nursing Alias: Legionella AB Panel Use: Limitations: Additional Info:	Legion Ab	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator 7 mL Red Top Tube, No Additive Minimum Volume: 7 mL Centrifugation: Storage: Transport:	86713



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			Collection Notes:	
<b>LEGIONELLA SPECIES CULTURE</b> Synonyms: CULTURE, LEGIONELLA Nursing Alias: Use: Limitations: Additional Info:	C Leg TR	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Lung tissue; Other body tissue; Pleural fluid; Transtracheal aspiration; Exudates Containers: Sterile container Minimum Volume: 1 mL lung exudate, 1cc lung biopsy Centrifugation: Storage: Refrigerate, specimens should be kept at 4 degrees Celcius and transported to the lab within 24 hours of collection. Transport: Collection Notes:	87070
<b>LEUKOCYTE ALKALINE PHOSPHATASE</b> Synonyms: LAPA Score; LAP Smear; LAPA Nursing Alias: Leukocyte ALK Phos Use: Limitations: Additional Info:	LAPA	Reference Range: 32-182 Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: Green Top Tube, Lithium Heparin Smear on a glass slide in card-board container Minimum Volume: Drops or 5 ml Centrifugation: Storage: Transport: Collection Notes: Container: Slides or green top tube containing heparin	85540
<b>LEVETIRACETAM (KEPPRA)</b> Synonyms: KEPPRA Nursing Alias: Use: Limitations: Additional Info:	Levetiracetam, S	Reference Range: Refer to hard copy of report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 4 mL Lavender Top Tube, EDTA 5 mL Green Top Tube, Lithium Heparin 6 mL Red Top Tube, No Additive Minimum Volume: 1.0ml Centrifugation: Storage: Transport: Collection Notes:	82542



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p><b>LIPASE, FLUID</b>            Synonyms: LIPASE, FLUID            Nursing Alias: LIPASE, FLUID            Use:            Limitations:            Additional Info:</p>	BF Lipase	Reference Range: NONE HAVE BEEN ESTABLISHED Critical Values(Low): N/A Critical Values(High):N/A Causes For Rejection:	Specimen Type: Any fresh body fluid Containers: Sterile container Minimum Volume: 1mL Centrifugation: Storage: Transport: Collection Notes: STATE SOURCE OF FLUID ON REQUISTION	83690
<p><b>LIPASE, SERUM</b>            Synonyms: LIP            Nursing Alias: Lipase, S            Use: As an aid to the diagnosis of acute pancreatitis or a            blockage of the pancreas or common bile duct. In            correlating amylase and lipase values, lipase remains            elevated for a longer period of time than does amylase.            There is no lipase in the urine.            Limitations:            Additional Info:</p>	Lip	Reference Range: 23-300 U/L Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	83690
<p><b>LIPID PROFILE</b>            Synonyms: LIPID            Nursing Alias: Lipid Profile            Use:            Limitations:            Additional Info:</p>	Lipid TR	Reference Range: See individual tests. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	80061
<p><b>LITHIUM, SERUM</b>            Synonyms: Li, Blood; LiCO3; LITH            Nursing Alias: Lithium, S            Use: To monitor dosage of lithium carbonate or lithium            citrate and to check for possible toxicity. Lithium in the form            of lithium carbonate or lithium citrate is used in the            treatment of manic-depressive disorders.            Limitations:            Additional Info:</p>	Lithium	Reference Range: Therapeutic: 0.6-1.2 mmol/L Critical Values(Low): Critical Values(High):Toxic: > 1.5 mmol/L Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes: For routine periodic testing, levels should be determined 8- 12 hours after the last dose. In cases of suspected toxicity, levels may be drawn	80178



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			at any time.	
<b>LUPUS ANTICOAGULANT</b> Synonyms: LUPUS ANTICOAGULANT SCREEN Nursing Alias: Use: Limitations: Additional Info:	Lupus Anticoag Comp TR	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Plasma Containers: 4.5mL Light Blue Top Tube, Sodium Citrate, 3.2% Minimum Volume: 4 mL Centrifugation: Storage: Transport: FROZEN PLASMA Collection Notes:	85613, 85732
<b>LUTEINIZING HORMONE, SERUM</b> Synonyms: LH Nursing Alias: Leutinizing Hormone Use: Limitations: Additional Info:	LH	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	83002
<b>LYME DISEASE ANTIBODIES</b> Synonyms: BORRELIA ANTIBODIES Nursing Alias: Lyme AB Use: Limitations: Additional Info:	Lyme Tot Ab-LCA (SERUM) Lyme Western Blot CSF (CSF)	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood; CSF Containers: 6 mL Gold Top Tube, Gel + Activator 7 mL Red Top Tube, No Additive Minimum Volume: 5 mL Serum, 1mL CSF Centrifugation: Storage: Transport: Collection Notes:	86618
<b>LYMPHOCYTE T-HELPER/INDUCER PANEL</b> Synonyms: T-Cell Helper/Inducer Ratio Nursing Alias: (CD4) Helper/Inducer Use: Limitations: Additional Info:	CD4 Helper	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Whole blood Containers: 10 mL Sodium Heparinized Tube 5 mL Lavender Top Tube, EDTA Minimum Volume: 10 mL Sodium Heparinized and 5 mL EDTA Centrifugation: NA Storage: Room temperature.	86361



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			Transport: Room temperature. Collection Notes: Container: Full 5 mL EDTA and one 10 mL Na Heparin tube. Do not draw near or on a weekend/holiday. Wait until a few hours before pickup to draw specimen. (You may get the 10 mL NA Heparin tube from the sendout person. Please let them know you are drawing this test.	
<b>MAGNESIUM, SERUM</b> Synonyms: Mg; MAG Nursing Alias: Magnesium, S Use: Limitations: Additional Info:	Mg	Reference Range: 1.7-2.2 mg/dL Critical Values(Low): <1.0 mg/dl Critical Values(High):>4.0 mg/dl Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	83735
<b>MAGNESIUM, SERUM (OB)</b> Synonyms: Mg; MAG Nursing Alias: Magnesium, S Use: Limitations: Additional Info:	Mg for labor pts BCH	Reference Range: 1.7-2/2 mg/dL Critical Values(Low): <1.0 mg/dl Critical Values(High):>8.0 mg/dL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	83735
<b>MALARIA SMEAR</b> Synonyms: Blood Smear for Malarial Parasites; Malarial Parasites Nursing Alias: Malaria Smear Use: Limitations: Additional Info:	MISS	Reference Range: No malarial parasites seen Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: Lavender Top Microtainer, EDTA Smear on a glass slide in card-board container Minimum Volume: 6 slides, 3 thick and 3 thin from fingerstick, 7 mL whole blood EDTA anticoagulated Centrifugation: Storage: Transport: Collection Notes: Specimen: Fresh	87207



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			blood-fresh fingerstick smears made at bedside preferred and EDTA anticoagulated blood	
<b>MATERNAL SERUM SCREEN 1</b> Synonyms: AFP; Alpha-Fetoprotein, Serum Nursing Alias: Afp,Maternal Use: Limitations: Additional Info:	AFP Tetra	Reference Range: Refer to report for interpretation. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood; Amniotic fluid Containers: Sterile tube Minimum Volume: 6 mL blood or 1 mL amniotic fluid Centrifugation: Centrifuge promptly Storage: Transport: Collection Notes:	82105
<b>MATURATION INDEX</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Call Anatomic Pathology	Reference Range: Results interpreted by a pathologist. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Vagina Containers: Not Applicable Minimum Volume: Not Applicable Centrifugation: Use manual requisition. Storage: Transport: Collection Notes:	
<b>METANEPHRINES, FRACTIONATED</b> Synonyms: Nursing Alias: Metanephrines, Frac. Use: Limitations: Additional Info:	U24 Metaneph	Reference Range: Refer to report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine Containers: 24 hour Urine Container Minimum Volume: 2.5 mL Centrifugation: Storage: Transport: Collection Notes: Obtain plastic urine container from the Chemistry department. Urine must be preserved with 25 mL of 50% Acetic Acid. During collection, refrigerate or keep on ice.	83835
<b>METANEPHRINES,FRACTIONATED,PLASMA</b> Synonyms: Fractionated Metanephrines Plasma Nursing Alias: Use: Limitations: Additional Info:	Metanep PL	Reference Range: Refer to hard copy of report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Plasma Containers: 4 mL Lavender Top Tube, EDTA Minimum Volume: 1.0ml Centrifugation: Storage:	83835



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			Transport: Collection Notes:	
<p><b>METHOTREXATE: SERUM</b>            Synonyms: MTX, Blood            Nursing Alias: Methotrexate            Use: Methotrexate is an antineoplastic drug used in high doses in the treatment of leukemia, osteogenic sarcoma, non-Hodgkin's lymphoma, lung cancer, carcinoma of the head and neck, and breast cancer. Low doses have been used to treat severe psoriasis, sarcoidosis, granulomatosis, and rheumatoid arthritis. Both the concentration of the drug and exposure time must be taken into consideration when monitoring for toxicity. Among the most dangerous and sometimes life-threatening toxic effects are renal damage, hepatic dysfunction, and myelosuppression. An antidote, citrovorum factor, is effective if given within a 2-3 day period after infusion; however, toxic side effects may not occur until 3-4 days postinfusion; therefore serum methotrexate levels are extremely important in determining possible toxicity.            Limitations:            Additional Info:</p>	MISS	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Red Top Tube, No Additive Minimum Volume: 6 mL Centrifugation: Centrifuge promptly Storage: Transport: Collection Notes:	80299
<p><b>MICROALBUMIN W/CREAT. RANDOM UR</b>            Synonyms:            Nursing Alias:            Use:            Limitations:            Additional Info:</p>	Micro A/CE	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Random urine Containers: Sterile container Minimum Volume: Centrifugation: Storage: Transport: Collection Notes:	82043
<p><b>MICROALBUMIN, URINE</b>            Synonyms:            Nursing Alias: Microalbumin, Urine 24 Hours            Use:            Limitations:            Additional Info:</p>	U24 Microalbumin LC	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine Containers: 24 hour Urine Container Minimum Volume: Entire collection Centrifugation: Storage: Transport: Collection Notes: Obtain plastic container for 24-hour collection from	82043



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			Chemistry Department. Refrigerate or keep on ice.No preservative required.	
<b>MONO TEST</b> Synonyms: Infectious Mononucleosis Screening Test; Monospot Nursing Alias: Monotest Use: Limitations: Additional Info:	Mono	Reference Range: Nonreactive Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 1 mL serum Centrifugation: Storage: Transport: Collection Notes:	86308
<b>MUMPS ANTIBODY SCREEN</b> Synonyms: Mumps, Viral and Soluble Antibody Titer; Mumps Virus Titer Nursing Alias: Mumps IGG Antibody Use: Limitations: Additional Info:	Mumps IgG Ab TR	Reference Range: Negative (Patient does not have immunity); Postivie (Patient has immunity) Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 7 mL Centrifugation: Storage: Transport: Collection Notes:	86735
<b>MYCOPLASMA PNEUMONIAE ANTIBODIES</b> Synonyms: M. PNEUMONIAE AB. Nursing Alias: Use: Limitations: Additional Info:	Myc G/M	Reference Range: Refer to hard copy of report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Yellow Top Tube + Activator Minimum Volume: 1.0ml Centrifugation: Storage: Transport: Collection Notes:	86738, 86738
<b>MYOGLOBIN</b> Synonyms: MYO Nursing Alias: Myoglobin (P) Use: Limitations: Additional Info:	6259	Reference Range: 11.6 -73.0 ng/mL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: Green Top Tube, Lithium Heparin Minimum Volume: 4 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	83874



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>N. GONORRHOEAE BY DNA AMP</b> Synonyms: GC, NELSSERIA GONORRHOEAE, GONORRHOEAE Nursing Alias: Use: Limitations: Additional Info:	GCAMP	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Urine; Discharge; Urethral discharge Containers: BD PROBE TEC FEMAL OR MALE Sterile container Minimum Volume: Centrifugation: Storage: Transport: Collection Notes:	87491
<b>NEEDLE ASPIRATION CYTOLOGY (NONPATHOLOGIST)</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	CYTO	Reference Range: Results interpreted by a pathologist. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Synovial fluid Containers: Not Applicable Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes: Use manual requisition	
<b>NEEDLE ASPIRATION CYTOLOGY, PALPABLE MASS (PATHOLOGIST)</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	CYTO	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Not applicable Containers: Not Applicable Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes: Use manual requisition	
<b>OBSTETRIC PANEL</b> Synonyms: Nursing Alias: Obstetrics Panel Use: Limitations: Additional Info:	Obstetrics panel	Reference Range: See individual tests Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: (2) Red Top Tubes 5 mL Lavender Top Tube, EDTA 6 mL pink top Minimum Volume: 1 mL serum and 2.5 mL EDTA Centrifugation: Storage: Transport: Collection Notes: Serum separator tubes must not be used.	80055



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p><b>OCCULT BLOOD</b>            Synonyms: Blood, Occult, Stool; Hemoccult Â® , Stool;            Stool for Blood, Guaiac Stool            Nursing Alias: Occult Blood            Use:            Limitations:            Additional Info:</p>	OCCULT M	Reference Range: None detected Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Stool Containers: Sterile container Stool container Minimum Volume: 5 mL Centrifugation: Storage: Transport: Collection Notes:	82270
<p><b>OLIGOCLONAL BANDING</b>            Synonyms: CSF PROTEIN            Nursing Alias:            Use:            Limitations:            Additional Info:</p>	CSF Oligo Bands BCH	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Spinal fluid; Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 2 mL CSF and 1mL serum Centrifugation: Storage: Transport: Collection Notes:	83916
<p><b>OSMOLALITY, SERUM</b>            Synonyms: Serum Osmolality; OSM/S            Nursing Alias: Osmolality,S            Use: Uses of serum osmolality values include evaluation of hypernatremia and hyponatremia, determination of the need for dialysis, monitoring of uremia patients, and determining the need for fluid therapy in postsurgical patients.            Limitations:            Additional Info:</p>	Osmol S	Reference Range: 280-300 mOsm/kg Critical Values(Low): <250 mOsm/kg Critical Values(High):>325 mOsm/kg Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	83930
<p><b>OSMOLALITY, URINE</b>            Synonyms: Urine Osmolality            Nursing Alias: Osmolality, Urine            Use: Urine osmolality values can be used to determine the concentrating ability of the kidney, to help diagnose the cause of polyuria, to guide potassium therapy, and to evaluate causes of inappropriate secretion of ADH.            Limitations:            Additional Info:</p>	Osmol U	Reference Range: 300-1300 mOsm/kg Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Random urine Containers: Clean Screw Cap Container Minimum Volume: 10 mL urine Centrifugation: Storage: Transport: Collection Notes:	83935



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p><b>OVA AND PARASITES</b>            Synonyms: O&amp;P; Parasites, Stool; Parasitology Examination; Stool for Amoeba; Stool for Cysts; Stool for Giardia; Stool for Ova and Parasites            Nursing Alias: Ova and Parasite Exam            Use:            Limitations:            Additional Info:</p>	Ova and Parasites SO	Reference Range: No ova or parasites seen Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Fresh random stool; Duodenal aspirates; Material from ulcers or abscesses; Endoscopy specimens; Sputum Containers: O&P kit Sterile container Minimum Volume: 5-10 g, 5-10 mL for liquid specimens Centrifugation: Storage: Transport: Collection Notes: Specimens containing urine and specimens not submitted according to instructions in the kit will be rejected.; Container: O&P kit available from Microbiology for stool specimens. Sterile container for other specimens.	87177
<p><b>OXCARBAZEPINE (TRILEPTAL),S</b>            Synonyms:            Nursing Alias:            Use:            Limitations:            Additional Info:</p>	Oxcarbazepine Serum	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Plasma; Serum Containers: 4 mL Lavender Top Tube, EDTA Red Top (No SST) Minimum Volume: 1 ml Centrifugation: Storage: Transport: Collection Notes:	82491
<p><b>OXYCODONE, SCREEN AND CONFIRMATION</b>            Synonyms: OXYCODONE URINE SCREEN AND CONFIRMATION            Nursing Alias:            Use:            Limitations:            Additional Info:</p>	MISS	Reference Range: Refer to hard copy of report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Random urine Containers: Clean Screw Cap Container Minimum Volume: 20 ML Centrifugation: Storage: Transport: ROOM TEMPATURE. Collection Notes:	80101
<p><b>PACKED RED CELLS, TRANSFUSION</b>            Synonyms: Packed Cells; Red Blood Cells, Human; Red Cell Concen-trate; Red Cells, Packed            Nursing Alias: p9021</p>	6401	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 6 mL	p9021



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>Use: Red blood cells should be used with any patient with severe anemia who does not require restoration of blood volume; such as chronic anemia, congestive heart failure, and elderly or debilitated patients in whom a rapid shift in volume will not be tolerated. Compatibility tests must be performed with the donor red cells and patient's serum prior to transfusion of red blood cells. The donor red cells can be held for possible transfusion to the patient no longer than midnight of the third day following collection of the crossmatch specimen. After that time a new physician's order must be written, a new specimen obtained, and pretransfusion tests repeated on the prospective recipient.</p> <p>Limitations:            Additional Info:</p>			Centrifugation: Storage: Transport: Collection Notes:	
<p><b>PAP SMEAR (VAGINAL/CERVICAL CYTOLOGY)</b>            Synonyms: Cervical Smear, Genital Cytology, Papanicolaou Smear            Nursing Alias:            Use:            Limitations:            Additional Info:</p>	CYTO	Reference Range: Results interpreted by a cytotechnologist or pathologist. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Vaginal or Cervical Containers: Not Applicable Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes: Use manual requisition	
<p><b>PARASITE ID</b>            Synonyms: Gross Worm Identification            Nursing Alias: Parasite Identification            Use:            Limitations:            Additional Info:</p>	PARAID	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Worm or segment of worm from urine; Stool Containers: Clean Screw Cap Container Stool container Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes:	87177
<p><b>PARATHYROID HORMONE, INTACT</b>            Synonyms: Parathormone, Intact; PTH, Intact            Nursing Alias: PTH, Intact            Use:            Limitations:            Additional Info:</p>	PTH (BCH) or PTH (TR)	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection: Whole blood, plasma other than	Specimen Type: Plasma Containers: 4 mL Lavender Top Tube, EDTA Minimum Volume: 0.7 mL Centrifugation: Centrifuge promptly. Storage: Refrigerate	83970, 82310



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
		EDTA, hemolysis.	Transport: Collection Notes:	
<b>PARTIAL THROMBOPLASTIN TIME</b> Synonyms: Activated Partial Thromboplastin Time; APTT; PTT Nursing Alias: APTT Use: Monitoring of heparin Limitations: Additional Info:	APTT	Reference Range: Therapeutic range: 62-106 secs. normal range 23.1 - 37.5 secs. Critical Values(Low): None Critical Values(High):> 150 secs Causes For Rejection: Specimen clotted, QNS	Specimen Type: Blood Containers: 4.5mL Light Blue Top Tube, Sodium Citrate, 3.2% Minimum Volume: 2.7 mL or 4.5 mL. Correct volume critical. Centrifugation: Storage: Transport: Non-heparinized patients 4 hours Collection Notes: Do not draw as first tube	85730
<b>pH (FLUID)</b> Synonyms: PH Nursing Alias: PH,FLUID Use: Limitations: Additional Info:	BF PH LC	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Fluid Containers: Sterile container Minimum Volume: 1mL Centrifugation: Storage: Transport: Collection Notes: STATE SOURCE OF FLUID ON REQUISITON	83986
<b>pH, STOOL</b> Synonyms: Feces, pH; pH, Feces; Stool pH Nursing Alias: Use: Limitations: Additional Info:	Call Microbiology	Reference Range: Diet dependent, normal: neutral to slightly alkaline or acid. pH is increased with protein breakdown, decreased with carbohydrate or fat malabsorption. Breast-fed infants have faintly acid stools, bottle-fed infants, neutral or slightly alkaline. Fat malabsorption: acid. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Fresh random stool not containing urine Containers: Stool container Minimum Volume: 1 gram Centrifugation: Storage: Transport: Collection Notes:	83986



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p><b>PHENOBARBITAL, SERUM</b>            Synonyms: Luminal; Phenobarb; Phenobarbital Level, Blood; PHNO            Nursing Alias: Phenobarbital, S            Use: Phenobarbital is used in treating grand mal and focal seizures and seizures due to alcohol and barbiturate withdrawal. Peak levels are usually reached within 6-18 hours after administration.            Limitations:            Additional Info:</p>	Phenbar	Reference Range: Therapeutic: 15-40 mcg/mL Critical Values(Low): Critical Values(High):Toxic: > 50 mcg/dL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Yellow Top Tube + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes: For routine therapeutic testing, collect sample just before the next dose. For possible toxicity, collect any time.	80184
<p><b>PHENYTOIN</b>            Synonyms: Dilantin; Diphenylhydantoin; PTN            Nursing Alias: Phenytoin, S            Use: Phenytoin has been used in the treatment of grand mal, focal sensory and motor, and psychomotor seizures, as well as cardiac arrhythmias.            Limitations:            Additional Info:</p>	Phenynt	Reference Range: Therapeutic: 10-20 ug/mL Critical Values(Low): Critical Values(High):> 30 ug/mL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Yellow Top Tube + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes: For routine periodic testing, collect sample just prior to the next dose. For suspected toxicity, collect sample 24 hours after the intravenous administration or at 6 hours or greater after an oral dose is given.	80185
<p><b>PHLEBOTOMY, THERAPEUTIC</b>            Synonyms: Therapeutic Phlebotomy            Nursing Alias: Phlebotomy, Therapeutic            Use: Therapeutic phlebotomy is used for treatment of diseases such as hyperemia, hyperproteinemia, and idiopathic hemochromatosis.            Limitations:            Additional Info:</p>	5669	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Not Applicable Containers: CPD Blood Bag Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes:	99195
<p><b>PHOSPHORUS, BODY FLUID</b>            Synonyms:            Nursing Alias: Phosphorous, Fluid            Use:            Limitations:</p>	BF Phos	Reference Range: None have been established Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Any fresh body fluid Containers: Sterile tube Minimum Volume: 1 mL Centrifugation: Storage:	84100



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Additional Info:			Transport: Collection Notes: Requisition must state source of fluid (e.g. pleural, peritoneal, pericardial, synovial, cyst)	
<b>PHOSPHORUS, SERUM</b> Synonyms: Inorganic Phosphate, Blood; Phos; PO4; PHOS Nursing Alias: Phosphorus, S Use: Increased phosphorus levels may be caused by kidney disease, hypoparathyroidism, diabetic acidosis, and acute osteoporosis. Decreased levels may be found in malabsorption syndrome, hyperparathyroidism, and recovery from diabetic acidosis. Limitations: Additional Info:	PHOS	Reference Range: 2.5 - 4.5 mg/dL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84100
<b>PHOSPHORUS, URINE</b> Synonyms: Urine Phos; Urine Phosphorus Nursing Alias: Phosphorus, Urine, 24 Hour Use: Urinary phosphorus depends on dietary intake of phosphorus, acid-base regulation, and endocrine factors. Increased urinary phosphorus may be seen in hyperparathyroidism, while decreased values may be seen in hypoparathyroidism. Limitations: Additional Info:	U24 Phos TR	Reference Range: 400-1300 mg/24 hours Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine Containers: 24 hour Urine Container Minimum Volume: Entire collection Centrifugation: Storage: During collection refrigerate or keep on ice. Transport: Collection Notes: Obtain plastic urine container from Chemistry department.	84105, 81050
<b>PINWORM PREPARATION</b> Synonyms: Cellulose Tape Test; Enterobiasis Test; Enterobius vermicu-laris Preparation; Scotch Å® Tape Prep Nursing Alias: Pinworm Prep Use: Limitations: Additional Info:	PIN	Reference Range: No Enterobius vermicularis Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Scotch Tape slide preparation of perianal region taken upon awakening Containers: Scotch Tape slide in covered container Minimum Volume: 1 slide Centrifugation: Storage: Transport: Collection Notes: Use a tongue depressor or other suitable wooden blade to press sticky side of tape to anal	87172



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			region.; Scotch Tape slide must be submitted in a covered container. Caution: Pinworm eggs are very infectious.	
<b>PLATELET CONCENTRATE</b> Synonyms: Platelet Packs; Platelets; Platelet Transfusion; Pooled Plate-lets; Single Donor Platelets Nursing Alias: p9019 Use: Limitations: Additional Info:	5675	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Stat tube Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:	p9019
<b>PLATELET COUNT</b> Synonyms: Platelets; Thrombocyte Count; PLT Nursing Alias: Platelet Count Use: Limitations: Additional Info:	Plt Ct	Reference Range: 140-440 K/L Critical Values(Low): <40 K/L; known thrombocytopenia <20 K/L Critical Values(High):None Causes For Rejection: Clotted specimen	Specimen Type: Blood Containers: 2 mL Lavender Top Tube, EDTA 5 mL Lavender Top Tube, EDTA Lavender Top Microtainer, EDTA Minimum Volume: 5 mL or 2 mL for venipuncture specimen;400 ul for capillary Centrifugation: None Storage: Transport: Collection Notes: If collecting capillary, do not "milk" site	85595
<b>PLATELET FUNCTION TEST</b> Synonyms: PFA, PLATELET FUNCTION Nursing Alias: Use: Limitations: Additional Info:	PFA	Reference Range: COL EPI 99-159 COL ADP 59-104 Critical Values(Low): Critical Values(High): Causes For Rejection: HEMOLYSIS, QNS	Specimen Type: Plasma Containers: 4.5mL Light Blue Top Tube, Sodium Citrate, 3.2% Minimum Volume: 4.5mL Centrifugation: NO Storage: 4HRS ROOM TEMP UNDISTURBED Transport: Collection Notes:	85576



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p><b>PLATELETPHERESIS, HLA MATCHED</b>            Synonyms: HLA Pheresis            Nursing Alias: p9019            Use: Repeated platelet transfusions may lead to a refractory state in which the patient responds only to HLA matched platelets. HLA matched platelets may be ordered and made available by special arrangements with the Blood Bank. Each plateletpheresis unit is equivalent to about 8 single donor platelet concentrates. As with all blood products, plateletpheresis units must be transfused through a filter. Although ABO incompatible platelets may have a slightly diminished 24-hour post-transfusion recovery, the limited donor pool sometimes makes transfusion of ABO incompatible plateletpheresis necessary. One hour post-transfusion is probably the best time to draw a platelet count to check increment following transfusion.            Limitations:            Additional Info:</p>	Call Blood Bank	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Stat tube Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:	p9019
<p><b>PLATELETPHERESIS, NON-HLA</b>            Synonyms: Single Donor Platelets            Nursing Alias: p9019            Use: The platelets are collected by hemapheresis, an effective way to harvest a therapeutic adult dose of platelets from one individual donor. Plateletpheresis usually contains more than 3x10<sup>10</sup> platelets suspended in a plasma volume of 200-500 mL. The dose is comparable to 6-8 units of platelets and can be expected to increase the platelet count of a 70 kg adult by 30,000-60,000 l. The platelets should be administered through a filter, but not of microaggregate size.            Limitations:            Additional Info:</p>	5650	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL pink top 7 mL Red Top Tube, No Additive Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:	p9019
<p><b>PLEURAL FLUID MICROBIOLOGY</b>            Synonyms: Routine Culture, Bacterial Culture, C&amp;S, Fungus Culture, AFB Culture            Nursing Alias: Pleural Fluid Microbiology            Use:            Limitations:</p>	PFMIC	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Fluid Containers: Aspirate collection container Minimum Volume: 8 mL fluid Centrifugation: Storage: Transport:	87116, 87206, 87070, 87205, 87220, 87102



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Additional Info:			Collection Notes: (Refer to table in the "Specimen Procurement, Handling, Sample Collection" section in the front of this manual for further details on collection of specimens for culture.)	
<b>PLEURAL FLUID ORDER SET</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	PLEUR	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Fluid Containers: Green Top Tube, Lithium Heparin Heparinized syringe Sterile container Minimum Volume: 25 mL fluid Centrifugation: Storage: Transport: Collection Notes: Follow the procedure for ordering an Order Set. Contact the Laboratory with questions regarding Order Sets. Specimen should be received in lab within one hour of collection.	
<b>PLEURAL FLUID STUDIES</b> Synonyms: Nursing Alias: Pleural Fluid Studies Use: Limitations: Additional Info:	Pleural fl study	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Fluid Containers: 7 mL Red Top Tube, No Additive Green Top Tube, Lithium Heparin Minimum Volume: 1 mL fluid Centrifugation: Storage: Transport: Collection Notes: Use this order ONLY for Pleural Fluid. Specimen should be received in lab within one hour of collection.	89051, 83615, 84155, 82150, 87116, 82945, 87206, 87070, 87205, 87220, 87102
<b>PNEUMOCYSTIS CARINII</b> Synonyms: Nursing Alias: Use: Limitations:	CYTO	Reference Range: Results interpreted by a pathologist. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Not applicable Containers: Not Applicable Minimum Volume: 1 ml Centrifugation: Storage:	



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Additional Info:			Transport: Collection Notes: Use manual requisition	
<b>PORPHOBILINOGEN, 24 HOUR URINE</b> Synonyms: Nursing Alias: Porphobilinogen, 24 Hour (Urine) Use: Porphobilinogen is used in the manufacture of the heme molecule, which is responsible for oxygen transport in the body. Porphobilinogen is synthesized in the liver and marrow of the long bones. Increased amounts of porphobilinogen in the urine can be found in a type of porphyria known as acute intermittent porphyria. Limitations: Additional Info:	MISS	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine Containers: 24 hour Urine Container Minimum Volume: Entire collection Centrifugation: Storage: Transport: Collection Notes: Obtain plastic urine container from Chemistry department. Urine must be preserved with 5 grams of sodium carbonate during collection. Wrap container with foil to protect from light. Refrigerate or keep on ice. Transport specimen immediately to laboratory upon completion of collection.	84110
<b>PORPHYRINS, 24 HOUR URINE</b> Synonyms: Nursing Alias: Porphyrins, 24 Hour Urine Use: Porphyrins are complex ring compounds synthesized in the liver and marrow of the long bones. Diseases which produce increased amounts of porphyrins are the result of abnormalities of the bone marrow or liver and are called porphyrias. A common condition leading to increased porphyrinuria is lead poisoning. Limitations: Additional Info:	U24 Porphyrins	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine Containers: 24 hour Urine Container Minimum Volume: Entire collection Centrifugation: Storage: Transport: Collection Notes: Obtain plastic urine container from Chemistry department. Must be preserved with 5 grams sodium carbonate during collection. Wrap container with foil to protect from light. Refrigerate or keep on ice. Transport specimen immediately to laboratory upon completion of collection.	84119
<b>POTASSIUM, SERUM</b> Synonyms: K, Blood; Serum Potassium Nursing Alias: Potassium, S Use: Low potassium levels may be found in inadequate intake of potassium, prolonged diarrhea or vomiting, and increased secretion of aldosterone. Low potassium can cause changes in muscle irritability and myocardial	K	Reference Range: 3.6-5.0 mmol/L Critical Values(Low): <2.5 mmol/L ; Presurgical patients: <3.0 mmol/L Critical Values(High):> 6.5 mmol/L	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport:	84132



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>function. Increased values can be found in oliguria, anuria, and urinary obstruction and renal failure. Increased values can cause disturbances in muscle irritability respiration, and myocardial function.            Limitations:            Additional Info:</p>		<p>Causes For Rejection:            Hemolysis</p>	<p>Collection Notes:</p>	
<p><b>POTASSIUM, URINE</b>            Synonyms: K, Urine; Urine K            Nursing Alias: Potassium, Urine (Random); Potassium, Urine, 24 Hour            Use: Urinary potassium is greatly affected by diet. It can be increased with increased aldosterone excretion and decreased in Addison's disease. To account for the variation of potassium output during the day, a 24-hour urine collection is preferred; however, a random specimen will be accepted. No normal ranges have been established for random specimens.            Limitations:            Additional Info:</p>	<p>U K (RANDOM URINE),            U24 K TR (24-HOUR URINE)</p>	<p>Reference Range: 25-125 mmol/24 hours            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: 24 hour urine            Containers: 24 hour Urine Container            Minimum Volume: Entire collection            Centrifugation:            Storage: During collection, refrigerate or keep on ice.            Transport:            Collection Notes: Obtain plastic urine container from Chemistry Department.</p>	<p>84133, add CPT code 81050 to test code 5726</p>
<p><b>PRIMIDONE</b>            Synonyms: Mysoline; PRIM            Nursing Alias: Primidone, S            Use: Primidone is used in the treatment of grand mal, myoclonic, and psychomotor seizures. It is chemically similar to phenobarbital and is metabolized by the liver to form phenobarbital and phenylethylmalondiamide (PEMA), a mild anticonvulsant.            Limitations:            Additional Info:</p>	<p>Primidone Lvl</p>	<p>Reference Range: Refer to report.            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Blood            Containers: Red Top (No SST)            Minimum Volume: 6 mL            Centrifugation: Centrifuge promptly.            Storage:            Transport:            Collection Notes: For routine periodic testing, collect specimen just prior to next dose. For cases of suspected toxicity, draw the specimen a minimum of 6 hours after the last dose.</p>	<p>80188</p>
<p><b>PROCAINAMIDE/NAPA, SERUM</b>            Synonyms: Pronestyl; PROC            Nursing Alias:            Use:            Limitations: Procainamide is an antiarrhythmic drug whose action on the heart is similar to that of quinidine. It has been used to treat ventricular premature concentrations</p>	<p>Proc/NAPA LvlS</p>	<p>Reference Range: Refer to Report            Critical Values(Low):            Critical Values(High):            Causes For Rejection:            Hemolysis, lipemia, gel-barrier tube, icteric specimen</p>	<p>Specimen Type: Blood            Containers: 7 mL Green Top Tube, sodium Heparin            7 mL Red Top Tube, No Additive            Minimum Volume: 6 mL            Centrifugation: Centrifuge promptly.            Storage:</p>	<p>80192</p>



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and ventricular tachycardia. Peak plasma levels are usually reached in about one hour. N-acetyl-procainamide (NAPA) is the active metabolite of procainamide. Patients receiving procainamide may have NAPA levels equal to or greater than their procainamide levels. Therefore, both procainamide and NAPA levels must be monitored simultaneously to correctly evaluate therapeutic dosage as well as avoidance of toxic effects. Additional Info:			Transport: Collection Notes: For routine periodic testing, collect specimen just prior to next dose. For cases of suspected toxicity, draw the specimen one hour or more after the last dose.	
<b>PROLACTIN</b> Synonyms: Nursing Alias: Prolactin Use: To aid in the diagnosis of prolactinomas, amenorrhea, galactorrhea, or infertility and to monitor surgery, chemotherapy, and radiation treatments of prolactin-producing tumors. Limitations: Additional Info:	Prolactin Level	Reference Range: Female: 3.0 - 18.6 ng/mL; Male: 3.7 - 17.9 ng/mL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84146
<b>PROSTATIC ACID PHOSPHATASE</b> Synonyms: Acid Phosphatase, Prostatic; Male-PAP Nursing Alias: Acid Phos, Pros., IMM Use: Limitations: Additional Info:	PAP	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84066
<b>PROTEIN C DEFICIENCY</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Prot C Def	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Whole blood Containers: 2.7 mL Light Blue Top Tube, Sodium Citrate, 3.2% Minimum Volume: 2.7mL Centrifugation: Storage: Transport: Collection Notes:	85302
<b>PROTEIN ELECTROPHORESIS, RANDOM URINE</b>	U Elec	Reference Range:	Specimen Type: Random urine	84166, 84156



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Synonyms: ELECTROPHORESIS, URINE PROTEIN Nursing Alias: ELECTROPHORESIS, URINE PROTEIN Use: Limitations: Additional Info:		Critical Values(Low): Critical Values(High): Causes For Rejection:	Containers: Clean Screw Cap Container Minimum Volume: 11 mL preferred; at least 2 mL required Centrifugation: Storage: Transport: Collection Notes:	
<b>PROTEIN ELECTROPHORESIS, SERUM</b> Synonyms: Serum Protein Electrophoresis; PROEL Nursing Alias: Protein Electrophoresis, S Use: The electrophoretic separation of the serum proteins into the albumin and the alpha 1, alpha 2, beta and gamma globulin fractions provides a valuable screening tool for determining broad disease categories. Additional bands or major alterations may be characteristic of many diseases including nephrosis, multiple myeloma, and hypogammaglobulinemia. Limitations: Additional Info:	SPE SP	Reference Range: Interpretation by pathologist Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84165
<b>PROTEIN S-FUNCTIONAL</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Protein S Funct	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Plasma Containers: Minimum Volume: 2 ml Centrifugation: Storage: Transport: Collection Notes: BLUE TOP TUBER	85306
<b>PROTEIN, BODY FLUID</b> Synonyms: Nursing Alias: Protein, Fluid Use: Limitations: Additional Info:	BF TP	Reference Range: None have been established. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Any fresh body fluid Containers: Sterile tube Minimum Volume: 1 mL Centrifugation: Storage: Transport: Collection Notes: State source of fluid on requisition (e.g. pleural, peritoneal, pericardial, synovial, cyst)	84155
<b>PROTEIN, CSF</b>	CSF TP	Reference Range: 12-60	Specimen Type: CSF	



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Synonyms: Nursing Alias: Use: Limitations: Additional Info:		mg/dL Critical Values(Low): Critical Values(High): Causes For Rejection:	Containers: Sterile tube Minimum Volume: 1 mL Centrifugation: Storage: Transport: Collection Notes:	
<b>PROTEIN, PLEURAL FLUID</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	BF TP (specify Pleural fluid)	Reference Range: 1.0 - 2.0 gm/dL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Pleural fluid Containers: Sterile tube Minimum Volume: 1mL Centrifugation: Storage: Transport: Collection Notes:	
<b>PROTEIN, QUANTITATIVE, 24-HOUR URINE</b> Synonyms: Albumin, Quantitative, 24-hour Urine; Quantitative Urine Protein; Total Protein, Urine; Urine Protein Nursing Alias: Protein, Urine, 24 Hour Use: Excess protein is present in the urine in kidney disease, but it can occasionally be present when there is no kidney disease. This is caused by increased amounts of low molecular proteins such as Bence Jones protein in multiple myeloma. Protein may also be increased due to fever, thyroid disorders, heart disease, intense exercise, exposure to cold, emotional stress, pregnancy, and orthostatic conditions. Limitations: Additional Info:	U 24 TP TR	Reference Range: 42-225 mg/24 hours Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine Containers: 24 hour Urine Container Minimum Volume: Entire collection Centrifugation: Storage: During collection, refrigerate or keep on ice. Transport: Collection Notes: Obtain plastic urine container from Chemistry Department.	84155, 81050
<b>PROTEIN, RANDOM (URINE)</b> Synonyms: PROTEIN, URINE, RANDOM Nursing Alias: Use: Limitations: Additional Info:	U TP	Reference Range: N/A Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Urine Containers: Sterile container Minimum Volume: 10mL Centrifugation: Storage: Transport: Collection Notes:	84155



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<b>PROTEIN, SYNOVIAL FLUID</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	BF TP (specify synovial fluid)	Reference Range: 1.0 - 3.0 gm/dL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Synovial fluid Containers: Sterile tube Minimum Volume: 1 mL Centrifugation: Storage: Transport: Collection Notes:	
<b>PROTEIN, TOTAL SERUM</b> Synonyms: Total Protein, Blood; TP Nursing Alias: Protein, Total, S Use: Increases in total protein may be caused by dehydration or multiple myeloma. Decreases can be seen in nephrosis, salt retention, severe burns, excessive bleeding, open wounds, and intestinal malabsorption. Limitations: Additional Info:	TP	Reference Range: 6.3-8.2 g/dL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84155
<b>PROTHROMBIN TIME</b> Synonyms: Prottime; PT, PT w/INR Nursing Alias: PT (Prothrombin Time) Use: Monitor oral anticoagulants Limitations: Additional Info:	PT	Reference Range: Normal range: 12.4-14.9 seconds Critical Values(Low): None Critical Values(High):INR > 4.0 Causes For Rejection: Hemolysis and Quantity Not Sufficient	Specimen Type: Blood Containers: 2.7mL Light Blue Top Tube, Sodium Citrate, 3.2% Nacitrate 4.5mL Light Blue Top Tube, Sodium Citrate, 3.2% Minimum Volume: Correct volume critical (2.7mL or 4.5mL) Centrifugation: Do Not Centrifuge Storage: Un-opened tube may be stored for not more than 24 hours at either refrigerated or room temperature Transport: Transport To Hematology Within 24 Hours Collection Notes: Do not collect as first tube	85610
<b>PSA</b> Synonyms: PROSTATE SPECIFIC ANTIGEN, SERUM Nursing Alias: Prostate Specific Antigen, S Use: An aid to assess response to treatment and to detect recurrence of prostatic cancer Limitations:	PSA	Reference Range: 0-4 ng/mL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage:	84153



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Additional Info:			Transport: Collection Notes:	
<b>PSA (Screening Test)</b> Synonyms: Prostate Specific Antigen Nursing Alias: PSA - Screening Test Use: This test is used for screening purposes and is covered by medicare at a frequency of once every 12 months for men who have attained age 50. Limitations: Additional Info:	PSASCR	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6mL Centrifugation: Centrifuge Promptly Storage: Transport: Collection Notes:	G0103
<b>QUINIDINE, SERUM</b> Synonyms: QUIN Nursing Alias: Quinidine, S Use: Quinidine is widely used to treat atrial and ventricular arrhythmias. Levels peak about 2-4 hours after administration. The most common side effect is gastrointestinal, but levels above 5.0 ug/mL have been associated with toxic symptoms such as hypotension, QRS widening, and heart block. Limitations: Additional Info:	MISS	Reference Range: Refer to report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Red Top Tube, No Additive Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Remove serum from cells. Transport: Collection Notes: For routine periodic testing, draw sample just prior to next dose. In cases of suspected toxicity, levels should be drawn at least 6 hours after the administration of the last dose.	80194
<b>RAPID HIV 1/2 ANTIBODY TEST</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	RHIV12	Reference Range: Negative for HIV-1 and HIV-2 Antibodies Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Whole blood Containers: 5 mL Lavender Top Tube, EDTA Minimum Volume: 5 mL Centrifugation: Storage: Transport: Collection Notes: Special attention should be given to standard precautions in handling blood.	86703
<b>REDUCING SUBSTANCES</b> Synonyms: URINE, REDUCING, SUBSTANCES Nursing Alias:	Clinitest	Reference Range: NEGATIVE Critical Values(Low): N/A	Specimen Type: Urine Containers: Sterile container Minimum Volume: 2mL	81002



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Use: Limitations: Additional Info:		Critical Values(High):POSITIVE Causes For Rejection:	Centrifugation: Storage: Transport: Collection Notes:	
<b>RENAL FUNCTION PANEL</b> Synonyms: RENAL Nursing Alias: Renal Function Panel Use: Limitations: Additional Info:	Renal SP	Reference Range: See individual tests Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Storage: Centrifuge promptly. Transport: Collection Notes:	80069
<b>RENIN</b> Synonyms: Nursing Alias: Renin Activity Use: Limitations: Additional Info:	Renin Activity	Reference Range: Refer to Report Critical Values(Low): Critical Values(High): Causes For Rejection: Sample Not Frozen.	Specimen Type: Blood Containers: 4 mL Lavender Top Tube, EDTA Minimum Volume: 4 mL Centrifugation: Centrifuge promptly Storage: Transport: Collection Notes: Draw blood into an EDTA tube. Keep tube at room temperature. Centrifuge at room temperature.	84244
<b>RESPIRATORY SYNCYTIAL VIRUS ANTIGEN BY EIA</b> Synonyms: Nursing Alias: RSV Direct Antigen Test Use: Limitations: Inadequate specimen collection, improper sample handling/transport or low levels of virus shedding may yield a false negative result. Accordingly, a negative test result does not eliminate the possibility of an RSV infection. Patient diagnosis should always include laboratory test results in conjunction with all other clinical information available. Additional Info:	RSVADGT	Reference Range: Negative Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Nasopharyngeal washings only Containers: Minimum Volume: 1 mL Nasopharyngeal washing Centrifugation: Storage: Transport: Collection Notes: Transport to lab immediately	87420



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<b>RESPIRATORY SYNCYTIAL VIRUS TITER</b> Synonyms: RSV Titer Nursing Alias: Resp Virus, Adult Use: Limitations: Additional Info:	MISS	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator 7 mL Red Top Tube, No Additive Minimum Volume: 0.5 mL Centrifugation: Storage: Refrigerate up to 3 days: Otherwise freeze. Transport: Collection Notes:	86710
<b>RETICULOCYTE COUNT</b> Synonyms: Retic Count; RETIC Nursing Alias: Reticulocyte Count Use: Limitations: Additional Info:	Retic SP	Reference Range: Adult: 0.3%-2.1%; newborn (<6 days old) 2.0%-6.0% Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 2 mL Lavender Top Tube, EDTA 5 mL Lavender Top Tube, EDTA Lavender Top Microtainer, EDTA Minimum Volume: 5 mL, or 2 mL tubes for venipuncture specimens; 400 ul for capillary specimen Centrifugation: Storage: Transport: Collection Notes:	85045
<b>RHEUMATOID FACTOR</b> Synonyms: RA; RF; Rheumatoid Arthritis Nursing Alias: Rheumatoid Factor Use: Used to assist in the differential diagnosis of arthritic disorders. Limitations: Markedly lipemic or contaminated specimens may yield false positive results. Additional Info:	RF Qual	Reference Range: <6 IU/mL = Negative; >6 IU/mL = Positive; >25 IU/mL = Strong Positive Critical Values(Low): Critical Values(High): Causes For Rejection: Hemolysis, lipemia, gross bacterial contamination, icterus.	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator 7 mL Red Top Tube, No Additive Minimum Volume: 0.5 mL serum Centrifugation: Storage: Maintain specimen at room temperature. Transport: Collection Notes:	86430
<b>Rho(D) IMMUNE GLOBULIN, HUMAN</b> Synonyms: RhIG; RhoGAM Rh Immune Globulin Nursing Alias: 86115 Use: Rh immune globulin is used to prevent the formation of active anti-bodies in the Rh negative, Du negative	5676	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Stat tube Minimum Volume: 6 mL from mother	



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<p>individual who has received Rh positive blood as a result of delivering an Rh positive infant, or as a result of a transfusion accident. It should also be used in cases where the pregnancy of a Rh negative woman is terminated. The Rh immune globulin must be administered within 72 hours after delivery or aborted pregnancies. After delivery, the infant must be proven to be Rh positive or Rh positive Du variant. In cases of abortion or miscarriage, the fetus is assumed to be Rh positive unless the known father is proven to be Rh negative.</p> <p>Limitations:            Additional Info:</p>			<p>Centrifugation:            Storage:            Transport:            Collection Notes: Blood must not be drawn in serum separator tube. Should be requested through Physician's Laboratory Services. PLS will provide the RhIG (vial only) to the physicians office or prenatal clinic and bill the requesting service.</p>	
<p><b>Rho(D) IMMUNE GLOBULIN, HUMAN, VIAL ONLY</b>            Synonyms: RhIG; RhoGAM Rh Immune Globulin            Nursing Alias:            Use:            Limitations:            Additional Info:</p>	5600	<p>Reference Range:            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Not applicable            Containers: Not Applicable            Minimum Volume: Not Applicable            Centrifugation:            Storage:            Transport:            Collection Notes:</p>	J2790
<p><b>ROTAVIRUS ANTIGEN DETECTION</b>            Synonyms: Rotavirus Antigen Screen; Rotavirus EIA            Nursing Alias: Rotovirus AG Detect            Use:            Limitations:            Additional Info:</p>	MISS	<p>Reference Range: Negative            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Stool            Containers: Stool container            Minimum Volume: 5 grams solid or 3 mL liquid stool            Centrifugation:            Storage:            Transport:            Collection Notes:</p>	87425
<p><b>RPR</b>            Synonyms: Rapid Plasma Reagin Test; Serologic Test for Syphilis; STS; Syphilis Screening Test            Nursing Alias: RPR            Use:            Limitations:            Additional Info:</p>	RPR	<p>Reference Range: Non-reactive            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Blood            Containers: 7 mL Red Top Tube, No Additive            Minimum Volume: 7 mL            Centrifugation:            Storage:            Transport:            Collection Notes:</p>	86592, 86593 if positive, 86781 for required confirmatory test if positive



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<p><b>RUBELLA SCREEN</b>            Synonyms: German Measles Screen; Rubella Immune Status            Nursing Alias: Rubella IGG Antibody            Use: To determine immune status to the rubella virus            Limitations:            Additional Info:</p>	Rubella IgG TR	Reference Range: Negative (patient does not have immunity); positive (patient has immunity) Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 7 mL Centrifugation: Storage: Transport: Collection Notes:	86762
<p><b>RUBEOLA ANTIBODY SCREEN</b>            Synonyms: Measles Immune Status; Measles, Titer, Rubeola            Nursing Alias: Rubeola IGG Antibody            Use:            Limitations:            Additional Info:</p>	Rubeola IgG TR	Reference Range: Negative (Patient does not have immunity). Positive (Patient has immunity). Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 7 mL Centrifugation: Storage: Transport: Collection Notes:	86765
<p><b>SALICYLATE, SERUM</b>            Synonyms: Acetylsalicylic Acid, Blood; ASA, Blood; Aspirin, Blood; Salicylic Acid, Blood; SAL            Nursing Alias: Salicylate, S            Use: To monitor therapeutic dosages and check for accidental or deliberate overdose of aspirin. Salicylate overdose first stimulates and then depresses the central nervous system. Stimulation causes the acid-base, electrolyte, and water balance to be abnormal. The depressant effect may cause coma or death.            Limitations:            Additional Info:</p>	SAL	Reference Range: Therapeutic: 2-29 mg/dL Critical Values(Low): Toxic: 30-70 mg/dL; lethal: > 70 mg/dL Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	80196
<p><b>SATURATION</b>            Synonyms: %T            Nursing Alias: % Saturation Profile            Use:            Limitations:            Additional Info:</p>	SAT	Reference Range: See individual tests Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Storage: Transport: Collection Notes:	83540, 84466



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<p><b>SCHLICHTER TEST</b>            Synonyms: Antibacterial Activity, Serum; Bacterial Inhibitory Level, Serum; Cidal Ratio; Maximum Bactericidal Dilution; MBD, SBL; Serum Bactericidal Level; Serum Bactericidal Titers; Serum Cidal Test; Serum Inhibitory Titer; Serum Killing Power            Nursing Alias:            Use:            Limitations:            Additional Info:</p>	Call Microbiology	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 10 mL blood each draw Centrifugation: Storage: Transport: Collection Notes:	87197
<p><b>SCLERODERMA AND JO1 ANTIBODIES</b>            Synonyms: SCL-70, SCL 70            Nursing Alias: SCL-70, SCL 70            Use: Differential diagnosis of Scleroderma and/or evaluate patients suspected of having polymyositis, dermatomyositis, or polymyositis-scleroderma overlap syndrome.            Limitations:            Additional Info:</p>	Scl 70 Ab (scleroderma) Jo-1-Ab (Jo1 Ab)	Reference Range: <100 AU/mL = Negative; 100-120 AU/mL = Equivocal; >120 AU/mL = Positive Critical Values(Low): Critical Values(High): Causes For Rejection: Hemolysis, lipemia, gross bacterial contamination, icterus	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator 7 mL Red Top Tube, No Additive Minimum Volume: 0.5 ml serum Centrifugation: Storage: Maintain at room temperature. Transport: Collection Notes:	86235
<p><b>SEDIMENTATION RATE</b>            Synonyms: Erythrocyte Sedimentation Rate; ESR; Sed Rate; SR            Nursing Alias: Sed Rate            Use:            Limitations:            Additional Info:</p>	ESR	Reference Range: Children to 12 yr: 0-10 mm/hr Male: (12-50 yr) 0-15 mm/hr; (over 50 yr) 0-20 mm/hr Female: (12-50 yr) 0-20 mm/hr; (over 50 yr) 0-30 mm/hr. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: EDTA Containers: Lavender Top, EDTA Minimum Volume: 4 mL Centrifugation: Storage: Transport: Collection Notes:	85651
<p><b>SEMEN ANALYSIS</b>            Synonyms: Sperm Examination            Nursing Alias: Semen Analysis            Use:            Limitations:            Additional Info:</p>	Semen	Reference Range: Volume: 2-5 mL; pH: 7.0-8.5, sperm count; 50-150 million/mL, motility: at least 60% motile, morphology: at least 70% normal forms, liquifaction complete within 1 hour. Critical Values(Low):	Specimen Type: Seminal fluid Containers: Clean Screw Cap Container Minimum Volume: Total specimen Centrifugation: Storage: Transport: Collection Notes: Seminal fluid should arrive in laboratory within 30 minutes of	89320



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		Critical Values(High): Causes For Rejection:	collection	
<b>SICKLE SCREENING TEST</b> Synonyms: Sickle Cell; Sickle Prep; Sickledex TM; SQ Nursing Alias: Sickle Screening Test Use: Limitations: Additional Info:	Sickle Cell	Reference Range: Negative Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 4 mL Lavender Top Tube, EDTA Minimum Volume: 4 mL, or 2 mL for venipuncture specimen; 400 ul for capillary specimen Centrifugation: Storage: Transport: Collection Notes:	85660
<b>SIROLIMUS</b> Synonyms: RAPAMYCIN Nursing Alias: Use: Limitations: Additional Info:	Sirolimus Rapamune Blood	Reference Range: Refer to hard copy of report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Plasma Containers: 4 ml Lavender Top Minimum Volume: 1.0ml Centrifugation: Storage: Transport: Collection Notes:	80299
<b>SJOGREN'S ANTIBODIES</b> Synonyms: SSA, SSB, SJORGREN'S Nursing Alias: SSA, SSB, SJORGREN'S Use: Aids in the diagnosis of Sjogren's Syndrome and lupus patients with Sjogren's Overlap Syndrome. Limitations: Additional Info:	Sjogren	Reference Range: <100 AU/mL = Negative; 100-120 AU/mL = Equivocal; >120 AU/mL = Positive Critical Values(Low): Critical Values(High): Causes For Rejection: Hemolysis, lipemia, gross bacterial contamination, icterus	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator 7 mL Red Top Tube, No Additive Minimum Volume: 0.5 mL serum Centrifugation: Storage: Maintain at room temperature. Transport: Collection Notes:	86235
<b>SM AND RNP ANTIBODIES</b> Synonyms: Smooth Muscle Antibody, Antiextractable Nuclear Antigen; ENA; Smith Antibodies Nursing Alias: SM & RNP Antibodies Use: Detect antibodies associated with SLE and mixed connective tissue diseases. Anti-SM is highly specific for	SMRNP	Reference Range: <100 AU/mL = Negative; 100-120 AU/mL = Equivocal; >120 AU/mL = Positive Critical Values(Low): Critical Values(High):	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator 7 mL Red Top Tube, No Additive Minimum Volume: 0.5 mL serum Centrifugation:	86235



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SLE. Anti-RNP is found with a variety of rheumatoid diseases with high titers associated with mixed connective tissue diseases. Limitations: Additional Info:		Causes For Rejection: Hemolysis, lipemia, bacterial contamination, icterus	Storage: Maintain specimen at room temperature. Transport: Collection Notes:	
<b>SMEAR FOR MISCELLANEOUS ORGANISMS</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	MISCSM	Reference Range: DEPENDS ON SITE OF SPECIMEN Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Not applicable Containers: Aerobic culture swab Sterile container Minimum Volume: Centrifugation: Storage: Transport: Collection Notes:	87205
<b>SODIUM, SERUM</b> Synonyms: Na Nursing Alias: Sodium, S Use: Low sodium may be found in severe polyuria metabolic acidosis, Addison's disease, diarrhea, and renal tubular disease. Increased levels may be found in hyperadrenalism, dehydration, certain types of brain injury, diabetic coma, and excess treatment with sodium salts. Limitations: Additional Info:	NA	Reference Range: 137-145 mmol/L Critical Values(Low): <120 mmol/L, Critical Values(High):> 160 mmol/L, Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84295
<b>SODIUM, URINE</b> Synonyms: Na, Urine Nursing Alias: Sodium, Urine, (Random); Sodium, Urine, 24 Hour Use: Urinary sodium is greatly affected by diet. Urinary sodium excretion can detect early or subtle changes in sodium balance. To account for the variation of sodium output during the day, a 24-hour urine collection is preferred. A random specimen will be accepted; however, no normal values have been established for random specimens. Limitations: Additional Info:	U NA (RANDOM), U24 NA TR (24-HOUR)	Reference Range: 40-200 mmol/24 hours Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine; Random urine Containers: 24 hour Urine Container Clean Screw Cap Container Minimum Volume: Entire collection Centrifugation: Storage: During collection refrigerate or keep on ice. Transport: Collection Notes: Obtain plastic urine container from the Chemistry Department.	84300, add CPT code 81050 to test code 5778



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<b>SPECIFIC GRAVITY, BODY FLUIDS</b> Synonyms: Nursing Alias: Specific Gravity, Fluid Use: Limitations: Additional Info:	BF specific gravity	Reference Range: Physician must interpret based upon origin of fluid and patient's clinical condition. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Miscellaneous body fluids (pleural fluid; paracentesis fluid; thoracentesis fluid; etc) Containers: Sterile tube Minimum Volume: 1 mL Centrifugation: Storage: Transport: Collection Notes:	84315
<b>SPECIFIC GRAVITY, URINE</b> Synonyms: Nursing Alias: Specific Gravity Use: Limitations: Additional Info:	Specific gravity refractometer	Reference Range: 1.005-1.030 Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Random urine Containers: Clean Screw Cap Container Minimum Volume: 1 mL Centrifugation: Storage: Transport: Collection Notes:	81003
<b>SPERM COUNT</b> Synonyms: Sperm Count; Seminal Fluid Count Nursing Alias: Sperm Count Use: Limitations: Additional Info:	SPERM	Reference Range: 50-150 million/mL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Seminal fluid Containers: Clean Screw Cap Container Minimum Volume: Total specimen Centrifugation: Storage: Transport: Collection Notes: Fluid should arrive in lab within 30 minutes of collection. Indicate if post vasectomy.	89310
<b>SPINAL FLUID CELL COUNT</b> Synonyms: CSF cell count Nursing Alias: CSF Cell Count Use: Limitations: Additional Info:	CSF cnt/diff	Reference Range: RBC - 0 cells/ul, Nucleated Cells < 1 yr - 0-30 cells/ ul, 1 yr - Adult 0-5 cells/ul Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Spinal fluid Containers: Sterile CSF collection tube Minimum Volume: At least 1 mL Centrifugation: Storage: Transport: Collection Notes: Specimen should be delivered immediately after aspiration to the Laboratory	89050
<b>SPUTUM FOR EOSINOPHILS</b>	EOSPU	Reference Range: NO	Specimen Type: Sputum	87205



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>Synonyms: SPUTUM FOR EOSINOPHILS  Nursing Alias: SPUTUM FOR EOSINOPHILS  Use:  Limitations:  Additional Info:</p>		<p>EOSIMOPHILS NOTED  Critical Values(Low):  Critical Values(High):  Causes For Rejection:</p>	<p>Containers: Sterile container  Minimum Volume: 1.0mL  Centrifugation:  Storage: REFRIGERATE SPECIMEN IF TRANSPORT TO THE LAB IS DELAYED  Transport: ROOM TEMPERATURE  Collection Notes:</p>	
<p><b>STOOL FOR WBCs</b>  Synonyms: Fecal Leukocytes  Nursing Alias: Stool for WBCs  Use:  Limitations:  Additional Info:</p>	FWBC	<p>Reference Range:  Critical Values(Low):  Critical Values(High):  Causes For Rejection:</p>	<p>Specimen Type: Stool  Containers: Stool container  Minimum Volume: 1-2 grams  Centrifugation:  Storage:  Transport:  Collection Notes: Requisition must state date and time of collection.</p>	87205
<p><b>STREP, GROUP A</b>  Synonyms: Beta-Hemolytic Strep Culture, Throat; Screening Culture for Group A Beta-Hemolytic Streptococci; Strep Screen; StrepThroat Screen  Nursing Alias: Group A Strep Screen  Use:  Limitations:  Additional Info:</p>	C Grp A	<p>Reference Range: Direct strep test negative; no beta strep  Critical Values(Low):  Critical Values(High):  Causes For Rejection:</p>	<p>Specimen Type: Throat or tonsil  Containers: Aerobic culture swab  Minimum Volume: 1 swab  Centrifugation:  Storage:  Transport:  Collection Notes: Requisition must state specific site of specimen and date and time of collection.</p>	87081, 87430
<p><b>STRIATIONAL ANTIBODIES</b>  Synonyms: Antistriated Muscle Antibodies  Nursing Alias:  Use:  Limitations:  Additional Info:</p>	MISS	<p>Reference Range:  Critical Values(Low):  Critical Values(High):  Causes For Rejection:  Hemolyzed or lipemic serum.</p>	<p>Specimen Type: Serum  Containers: 6 mL Gold Top Tube, Gel + Activator  Minimum Volume: 0.4 mL  Centrifugation:  Storage:  Transport: Room Temperature  Collection Notes:</p>	86255
<p><b>SWEAT, CHLORIDE</b>  Synonyms: Chloride Iontophoresis; Cystic Fibrosis Sweat</p>	Sweat Cl TR	<p>Reference Range: &lt;40 mmol/L = Normal; 40-60</p>	<p>Specimen Type: Not applicable  Containers: Not Applicable</p>	89360



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>Test; Ionto-phoresis, Pilocarpine Iontophoresis; Sweat Chloride; SWCL            Nursing Alias: Sweat Chloride            Use: To aid in the diagnosis of cystic fibrosis. The chloride secretion in the sweat of cystic fibrosis patients is 2-5 times greater than that of normal patients.            Limitations:            Additional Info:</p>		<p>mmol/L = Equivocal Range;            &gt;60 mmol/L = Positive:            Compatible with Cystic Fibrosis; Interpretive            Statement: The Sweat Chloride testing performed at Rowan Regional Medical Center is a screening test analyzed by conductivity. Patients with equivocal or positive results compatible with Cystic Fibrosis should be referred for quantitative sweat chloride testing.            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Minimum Volume: Not Applicable            Centrifugation:            Storage:            Transport:            Collection Notes:</p>	
<p><b>SYNOVIAL FLUID PROFILE I</b>            Synonyms: Joint Fluid Analysis; Joint Fluid Profile With Culture Synovial Fluid Analysis With Culture            Nursing Alias: Synovial Fluid Profile I            Use:            Limitations:            Additional Info:</p>		<p>Reference Range:            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Synovial fluid            Containers: 7 mL Red Top Tube, No Additive            Green Top Tube, Lithium Heparin Heparinized syringe            Minimum Volume: 8 mL fluid            Centrifugation:            Storage:            Transport:            Collection Notes: Specimen must be received within one hour of collection. Specimen should be brought directly to Microbiology after collection.</p>	<p>89051, 89060, 84155, 84560, 87070, 87205</p>
<p><b>SYNOVIAL FLUID PROFILE II</b>            Synonyms: Joint Fluid Analysis II            Nursing Alias: Synovial Fluid Profile II            Use:            Limitations:            Additional Info:</p>		<p>Reference Range:            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Synovial fluid            Containers: 7 mL Red Top Tube, No Additive            Green Top Tube, Lithium Heparin Heparinized syringe            Minimum Volume: 2 mL fluid            Centrifugation:            Storage:            Transport:</p>	<p>89051, 89060, 84155, 84560</p>



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			Collection Notes: Specimen must be received within one hour of collection.	
<b>T3, TOTAL</b> Synonyms: Tri-iodothyronine Nursing Alias: T-3, Total Use: Limitations: Additional Info:	T3	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 7 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84480
<b>T4 TOTAL</b> Synonyms: Tetraiodothyronine; Thyroxine Nursing Alias: T-4 (Thyroxine) Use: Limitations: Additional Info:	T4	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84436
<b>T4, FREE</b> Synonyms: FrT4 Nursing Alias: Free T4 Use: Limitations: Additional Info:	Free T4	Reference Range: 0.75 - 1.54 Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84439
<b>TACROLIMUS, FK506</b> Synonyms: FK 506 Nursing Alias: Use: Limitations: Additional Info:	Tacrolimus Lvl	Reference Range: Refer to hard copy of report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Whole blood Containers: 4 mL Lavender Top Tube, EDTA Minimum Volume: 1.0ml Centrifugation: Do not centrifuge Storage: Transport: Refrigerant coolant. Collection Notes:	80197



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>TESTOSTERONE, FREE</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Testost Free	Reference Range: Refer to hard copy of report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 1.0ml Centrifugation: Storage: Transport: Collection Notes:	84402
<b>TESTOSTERONE, FREE AND TOTAL</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Test Free, Total TR	Reference Range: Refer to hard copy of report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: (2) 7 mL Red Top Tube, No Additive Minimum Volume: 1.0ml Centrifugation: Storage: Transport: Collection Notes:	84402, 84403
<b>TESTOSTERONE, TOTAL</b> Synonyms: Nursing Alias: Testosterone, Total Use: Limitations: Additional Info:	TEST	Reference Range: Varies depending upon age and gender. Refer to report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly Storage: Transport: Collection Notes:	84403
<b>TESTOSTERONE, FREE, DIRECT</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Testost Free	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 0.5 ml Centrifugation: Storage: Transport: Collection Notes:	84402
<b>TETANUS/DIPHTHERIA Ab</b> Synonyms: Nursing Alias:	MISS	Reference Range: Critical Values(Low): Critical Values(High):	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator	86317 x 2



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Use: Limitations: Additional Info:		Causes For Rejection:	Minimum Volume: 2 ml Centrifugation: Storage: Transport: Collection Notes:	
<b>THEOPHYLLINE, SERUM</b> Synonyms: Aminophylline, Blood; Somophylline; Theo-Dur; Theolair TM ; Theospan; THEO Nursing Alias: Theophylline S Use: Theophylline is used to treat asthmatic symptoms in children and adults. It is also used to treat apnea in premature infants. Limitations: Additional Info:	THEO	Reference Range: Therapeutic: 10-20 mcg/mL Critical Values(Low): Critical Values(High):> 20 mcg/mL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes: For maintenance therapy, blood should not be drawn for at least 2 hours after administration of liquid or tablets; 4 hours for sustained release products.	80198
<b>THIN PREP PAP SMEAR</b> Synonyms: See CYTOLOGY, THIN PREP PAP SMEAR Nursing Alias: Use: Limitations: Additional Info:	CYTO	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Cervical; Endocervical; Vaginal Sample Containers: Supplied by Laboratory. Call Ext 2666. Minimum Volume: Centrifugation: Storage: Transport: Collection Notes:	
<b>THROMBIN TIME</b> Synonyms: Thrombin Clotting Time Nursing Alias: Thrombin Time Use: Limitations: Additional Info:	5097	Reference Range: 5.0 - 12.5 seconds Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 4.5mL Light Blue Top Tube, Sodium Citrate, 3.2% Minimum Volume: 2.7mL or 4.5mL Centrifugation: Storage: Transport: Collection Notes:	85670
<b>THYROGLOBULIN ANTIBODY</b>	Thyro Ab	Reference Range: Refer to	Specimen Type: Blood	86800



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Synonyms: Nursing Alias: Thyroglobulin AB Use: Limitations: Additional Info:		report Critical Values(Low): Critical Values(High): Causes For Rejection:	Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	
<b>THYROGLOBULIN, QUANTITATIVE</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Thyro Quant	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Plasma; Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: Pediatrics: 0.8 mL; adults: 3 mL Centrifugation: Storage: Transport: Collection Notes:	84432, 86800
<b>THYROID PEROXIDASE (MICROSOMAL) ANTIBODY</b> Synonyms: Antithyroid Microsomal; Microsomal Antibody, TPO Nursing Alias: Thyroid Peroxid AB Use: Limitations: Additional Info:	Microsomal Ab	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	86376, 86800
<b>THYROID STIMULATING IMMUNOGLOBULIN</b> Synonyms: TSI Nursing Alias: Use: Limitations: Additional Info:	TSI	Reference Range: Refer to hard copy of report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 1.0ml Centrifugation: Storage: Transport: Collection Notes:	84445
<b>TISSUE TRANSGLUTAMINASE IGG AB.</b> Synonyms: TTG Nursing Alias:	Tissue TG IgG	Reference Range: Refer to hard copy of report. Critical Values(Low):	Specimen Type: Serum Containers: 7 mL Red Top Tube, No Additive	83516



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Use: Limitations: Additional Info:		Critical Values(High): Causes For Rejection:	Minimum Volume: 1.0ml Centrifugation: Storage: Transport: Collection Notes:	
<b>TISSUE, SURGICAL</b> Synonyms: Biopsy; Gross and Microscopic Pathology; Pathologic Examination; Surgical Tissue Examination Nursing Alias: Use: Limitations: Additional Info:	Call Anatomic Pathology	Reference Range: Results interpreted by pathologist Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Tissue or biopsy Containers: Container filled with 10% buffered formalin Minimum Volume: Entire specimen Centrifugation: Storage: Transport: Bring to pathology laboratory as soon as possible. Collection Notes:	
<b>TOBRAMYCIN</b> Synonyms: TOB/T Nursing Alias: Tobramycin, Peak, S; Tobramycin, Trough, S; Tobramycin, Level, S Use: Tobramycin is a potent aminoglycoside which can cause significant nephrotoxicity and ototoxicity. Because of its side effects and the great variation of individual response to the drug, monitoring is important. Correct drawing times are essential in determining possible toxicity. Limitations: Additional Info:	Tobra Peak (PEAK), Tobra trough (TROUGH), Tobra Level (RANDOM)	Reference Range: Trough: 0-2 ug/ml; peak: 4-8 ug/ml; Random: no range established Critical Values(Low): Critical Values(High):Trough: > 2 ug/mL; peak > 10 ug/mL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes: Follow these instructions to ensure that the tobramycin is collected at the proper time. Correct collection is critical. - Request for trough and peak levels must be called to the Chemistry department.. - The following information will be requested: Patient name, room number, trough or peak level, time of next dose, route of administration. - The laboratory will be responsible for collecting the trough level at the appropriate time (30 minutes prior to the next dose). If for some reason the blood has not been drawn, do not administer the tobramycin because this will invalidate the test results. Call the laboratory and someone will draw the blood. - If a peak level has	80200



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			been ordered, contact the Chemistry Department as soon as the entire dose has been infused (if given by IV) or as soon as the dose has been injected (if given by IM). The laboratory will be responsible, after notification by the unit, for collecting the peak level at the appropriate time. - If a random level has been ordered, the laboratory will draw the specimen at the time specified by the physician.	
<b>TOTAL IRON BINDING CAPACITY, CALCULATED</b> Synonyms: TIBC Nursing Alias: Total Iron Binding Capacity, CAL Use: The amount of iron that can be bound on the molecule along with that which is already bound is called total iron binding capacity. The TIBC is calculated using the transferrin concentration. Limitations: Additional Info:	TIBC SP	Reference Range: 261-436 mcg/dL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	83550
<b>TOXOPLASMA GONDII Ab, IgG,Qn</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Toxopls IgG	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 1 ml Centrifugation: Storage: Transport: Collection Notes:	86777
<b>TOXOPLASMA IGG ANTIBODIES</b> Synonyms: Toxoplasma gondii titer Nursing Alias: Toxoplasma IgG Antibody Use: Limitations: Additional Info:	Toxopls IgG	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood; CSF Containers: 7 mL Red Top Tube, No Additive Sterile CSF collection tube Minimum Volume: 7 mL blood and/or 1 mL CSF Centrifugation: Storage: Transport:	86777



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			Collection Notes:	
<p><b>TRANSFERRIN</b>            Synonyms: TRANS            Nursing Alias: Transferrin, S            Use: Transferrin's principle function is to transport absorbed iron or stored iron to sites involved in erythropoiesis. The amount of iron that can be bound on the molecule along with that which is already bound is called the total iron binding capacity (TIBC). The TIBC is an indirect measure of transferrin concentration and in recent years has been replaced in some institutions with methods which measure the actual transferrin concentration. Many disease states affect transferrin concentration. Factors that affect either iron metabolism or hematopoiesis will indirectly affect transferrin synthesis, its plasma concentration and its saturation with iron.            Limitations:            Additional Info:</p>	Transferrin	Reference Range: 209-349 mg/dL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84466
<p><b>TRANSFUSION REACTION WORK-UP</b>            Synonyms: Adverse Transfusion Effects; Blood Reaction; Reaction Workup            Nursing Alias:            Use:            Limitations:            Additional Info:</p>	5673, 5645	Reference Range: No evidence of hemolytic incompatibility Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Lavender Top Microtainer, EDTA Minimum Volume: 10 mL clotted blood, 7 mL anticoagulated blood, 1 mL urine Centrifugation: Storage: Transport: Collection Notes: Serum separator tubes must not be used.	86078
<p><b>TRIGLYCERIDES</b>            Synonyms: Trig            Nursing Alias: Triglycerides,S            Use:            Limitations:            Additional Info:</p>	TRIG	Reference Range: Male 40-160 mg/dL; Female: 35-135 mg/dL. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84478



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<b>TRIGLYCERIDES, FLUID</b> Synonyms: TRIGLYCERIDES, FLUID Nursing Alias: TRIGLYCERIDES, FLUID Use: Limitations: Additional Info:	BF Trig	Reference Range: NONE HAVE BEEN ESTABLISHED Critical Values(Low): N/A Critical Values(High):N/A Causes For Rejection:	Specimen Type: Any fresh body fluid Containers: Sterile container Minimum Volume: 1mL Centrifugation: Storage: Transport: Collection Notes: STATE SOURCE OF FLUID ON REQUISITION	84478
<b>TROPONIN I</b> Synonyms: Nursing Alias: Troponin I (S) Use: Limitations: Additional Info:	Trop	Reference Range: <0.06 ng/mL = Normal; 0.06-0.40 ng/mL = Indeterminate Range: result must be evaluated based on patient's clinical status; >0.40 ng/mL = Consistent with myocardial injury. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: Green Top Tube, Lithium Heparin Minimum Volume: 4 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84484
<b>TSH</b> Synonyms: Thyrotropin Hormone; Thyrotropin Stimulating Hormone; THYROID STIMULATING HORMONE Nursing Alias: TSH, S Use: In the assessment of the origin, extent, and management of thyroid disease. Limitations: Additional Info:	TSH	Reference Range: 0.46 - 4.68 uIU/mL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84443
<b>TSH/REFLEX FREE T4</b> Synonyms: TSH Nursing Alias: TSH/Reflex Free T4 Use: Limitations: Additional Info:	TSH reflex FT4 SP	Reference Range: TSH: 0.46 - 4.68 uIU/mL; FREE T4: 0.64 - 1.92 ng/mL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84443, 84439 if TSH is abnormal



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<p><b>TYPE and CROSSMATCH</b>            Synonyms: Compatibility Testing; Crossmatch;            Pretransfusion Test            Nursing Alias: 86920            Use: The crossmatch is one test in a battery of procedures designed to select blood products for a recipient that, when transfused, will have acceptable survival and will not cause clinically significant destruction of the recipient's own cells. The pretransfusion compatibility tests include positive identification of the intended recipient, proper labeling of the patient's specimen, previous records review, ABO and Rh testing, antibody detection tests, tests with recipient serum and donor red blood cells and labeling and issue of the blood products. All procedures are critical and require critical attention to details.            Limitations:            Additional Info:</p>	5664	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Stat tube Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:	86920
<p><b>TYPE and SCREEN</b>            Synonyms: Type and Hold            Nursing Alias: Type And Screen            Use: Pretransfusion testing will be performed on the patient's blood sample including group, type, antibody screen, but no blood will be crossmatched with the patient's specimen until further orders are received in the Blood Bank. The patient's blood sample will be held for crossmatching until midnight of the third day after collection. After that third day period a fresh specimen of blood must be collected from the patient if transfusions are anticipated. This procedure will be done when prenatal profiles are ordered on hospitalized obstetrical patients.            Limitations:            Additional Info:</p>	5665	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Stat tube Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:	86900
<p><b>UREA CLEARANCE</b>            Synonyms: UREA CLEARANCE            Nursing Alias: UREA CLEARANCE            Use: To estimate glomerula filtration rate. Low clearance values represent renal damage or renal insufficiency            Limitations:            Additional Info:</p>	URCL	Reference Range: 41-68 mL/min Clearance is corrected for patients body surface Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine; Blood Containers: 24 hour Urine Container 6 mL Gold Top Tube, Gel + Activator Minimum Volume: Entire 24 hour collection and 6mL serum Centrifugation: Storage: Refrigerate or keep on ice	84545, 81050



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			Transport: Collection Notes: Obtain plastic urine container from the Chemistry Department	
<b>UREA NITROGEN, BODY FLUID</b> Synonyms: Nursing Alias: BUN, Fluid Use: Limitations: Additional Info:	BF BUN	Reference Range: None have been established Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Any fresh body fluid Containers: Sterile tube Minimum Volume: 1 mL Centrifugation: Storage: Transport: Collection Notes: State source of fluid on requisition (e.g. pleural, peritoneal, pericardial, synovial, cyst).	84520
<b>UREA, RANDOM (URINE)</b> Synonyms: UREA, URINE, RANDOM Nursing Alias: Use: Limitations: Additional Info:	U UN R	Reference Range: N/A Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Urine Containers: Sterile container Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:	84540
<b>URIC ACID, FLUID</b> Synonyms: Nursing Alias: Uric Acid, Fluid Use: Limitations: Additional Info:	BF Uric Acid	Reference Range: None has been established. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Any fresh body fluid Containers: Sterile tube Minimum Volume: 1 mL Centrifugation: Storage: Transport: Collection Notes: Specify source of fluid on requisition (e.g. pleural, peritoneal, pericardial, synovial, cyst).	84560
<b>URIC ACID, SERUM</b> Synonyms: U.A.; UA Nursing Alias: Uric Acid, S Use: Increases in uric acid can be found in gout, leukemia, polycythemia, pneumonia, uremia, diabetic acidosis, starvation, eclampsia, ingestion of certain toxic	Uric	Reference Range: Female: 2.5-7.5 mg/dL, male: 3.5-8.5 mg/dL Critical Values(Low): Critical Values(High):> 13 mg/dL	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage:	84550



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
substances, and some inherited diseases. Decreased levels may be found in some inherited metabolic disorders. Limitations: Additional Info:		Causes For Rejection:	Transport: Collection Notes:	
<b>URIC ACID, URINE</b> Synonyms: Nursing Alias: Uric Acid, Urine,24 Hour Use: Limitations: Additional Info:	U24 Uric Acid TR	Reference Range: 250-750 mg/24 hours Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine Containers: 24 hour Urine Container Minimum Volume: Entire collection Centrifugation: Storage: During collection, refrigerate or keep on ice. Transport: Collection Notes: Obtain plastic urine container from Chemistry department.	84560, 81050
<b>URINALYSIS</b> Synonyms: UA; Routine UA Nursing Alias: Urinalysis W/Reflex Microscopic Use: Limitations: Additional Info:	UA Complete SP	Reference Range: Specific gravity: 1.005-1.030, pH: 5-8, protein: negative, glucose: negative, blood: negative, urobilinogen: 0.2, ketones: negative; bilirubin: negative; leukocyte esterase:negative Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Random urine Containers: Clean Screw Cap Container Minimum Volume: 11 mL preferred; at least 2 mL required Centrifugation: Storage: Transport: Collection Notes:	81003 (without microscopy) or 81001 (with microscopy)
<b>URINE EOSINOPHIL COUNT</b> Synonyms: URINE, EOSINOPHIL, COUNT Nursing Alias: Use: Limitations: Additional Info:	U EOSMR	Reference Range: <5 EOSINOPHILS/100 WBC Critical Values(Low): N/A Critical Values(High):N/A Causes For Rejection:	Specimen Type: Urine Containers: Sterile container Minimum Volume: 8 mL Centrifugation: Storage: Transport: Collection Notes: SHOULD BE RECEIVED IN LABORATORY WITHIN 30 MINS. OF COLLECTION	89050
<b>VALPROIC ACID</b> Synonyms: Depakene; VALP Nursing Alias: Valproic Acid, S	Valporic	Reference Range: 50-100 ug/mL (Epilepsy patients); 50-125 mcg/mL (Mania)	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator	80164



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>Use: Valproic acid is an anticonvulsant drug used to control many types of seizures. Peak levels occur 14 hours after ingestion of the drug. The most serious toxic effects of valproic acid is liver failure or suppression of platelet count and platelet function.            Limitations:            Additional Info:</p>		<p>patients)            Critical Values(Low):            Critical Values(High):&gt;125 mcg/mL            Causes For Rejection:</p>	<p>Minimum Volume: 6mL            Centrifugation: Centrifuge promptly.            Storage:            Transport:            Collection Notes: Periodic testing should be done just before the next dose. In cases of suspected toxicity, blood should be drawn at least 6 hours after the last dose.</p>	
<p><b>VANCOMYCIN</b>            Synonyms:            Nursing Alias: Vancomycin Level, S; Vancomycin Peak, S; Vancomycin, Trough, S            Use: Vancomycin is a potent aminoglycoside which can cause significant nephrotoxicity and ototoxicity. Because of its side effects and the great variation of individual response to the drug, monitoring is important. Correct drawing times are essential in determining possible toxicity.            Limitations:            Additional Info:</p>	<p>Vanco Level (RANDOM), Vanco Peak (PEAK), Vanco Trough (TROUGH)</p>	<p>Reference Range: Trough 5-10 ug/dL; Peak 30-40 ug/dL; Random; no range established            Critical Values(Low): Trough: &gt; 15 ug/dL; Peak &gt; 40 ug/dL            Critical Values(High):            Causes For Rejection:</p>	<p>Specimen Type: Blood            Containers: 6 mL Gold Top Tube, Gel + Activator            Minimum Volume: 6 mL            Centrifugation:            Storage:            Transport:            Collection Notes: Follow these instructions to ensure that the vancomycin is collected at the proper time. Correct collection is critical. Requests for trough and peak levels must be called to the Chemistry Department. The following information will be requested: Patient name, Patient ID number, doctor, room number, trough, peak or random level, time of next dose, route of administration. The laboratory will be responsible for collecting the trough level at the appropriate time (30 minutes prior to next dose). If for some reason the blood has not been drawn, do not administer the vancomycin because this will invalidate the test results. Call the laboratory and someone will draw the blood. If a peak level has been ordered, contact the Chemistry department as soon as the entire dose has been infused (if given by IV) or as soon as the dose has been injected (if give by IM).</p>	<p>80202</p>



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			The laboratory will be responsible, after notification by the unit, for collecting the peak level at the appropriate time. If a random level has been ordered, the laboratory will draw the specimen at the time specific by the physician.	
<b>VANILLYMANDELIC ACID, 24 HOUR URINE</b> Synonyms: VMA, Urine Nursing Alias: VMA (U) Use: Limitations: Additional Info:	U24 VMA	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: 24 hour urine Containers: 24 hour Urine Container Minimum Volume: Entire collection Centrifugation: Storage: Transport: Collection Notes: Obtain plastic urine container from Chemistry Department. Urine must be preserved with 25 mL of 50% Acetic Acid. During collection, refrigerate or keep on ice.	84585
<b>VARICELLA-ZOSTER VIRUS IGG ANTIBODIES</b> Synonyms: Chickenpox Immune Status; Herpes Zoster Screen for Immune Status; Shingles Screen for Immune Status; Varicella-Zoster Titer Nursing Alias: Use: Limitations: Additional Info:	Varic IgG TR	Reference Range: Negative = Patient does not have immunity; Positive = Patient has immunity. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 7 mL Centrifugation: Storage: Transport: Collection Notes:	86787
<b>VIRAL CULTURE, COMPREHENSIVE</b> Synonyms: Virus Isolation; Pharyngeal Washing, Virus Isolation; Stool, Virus Isolation; Throat, Virus Isolation; Rectal Swab, Virus Isolation; Urine, Virus Isolation; Body Fluids, Virus Isolation; Sputum, Virus Isolation; Biopsy, Virus Isolation Nursing Alias: Culture, Virus Comprehensive Use: Limitations: Additional Info:	Viral Culture LC	Reference Range: No virus isolated Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Spinal fluid; Nasopharyngeal swabs; Stool; Throat or tonsil; Urine; Cervix; Vagina; Eye Containers: Sterile Screw Cap Container Viral transport medium Minimum Volume: 1 mL fluid, 1 swab, 1-2 grams stool Centrifugation: Storage: Transport: Collection Notes: Container: Viral transport tube (available from	87252



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			Microbiology) - for swabs or vesicular fluid material; sterile screw cap tube or container - for fluids, feces, nasal washings, urines or biopsy (without preservative)	
<b>VISCOSITY, SERUM</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	MISS	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 1mL Centrifugation: Storage: Transport: Collection Notes:	004861
<b>VITAMIN B12</b> Synonyms: B12 Nursing Alias: Vitamin B12 Use: Limitations: Additional Info:	B12	Reference Range: 230-1050 pg/mL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82607
<b>VITAMIN B12/FOLATE, SERUM</b> Synonyms: B12; Folate; B12/F Nursing Alias: Vitamin B12/Folate, S Use: Limitations: Additional Info:	B12, Folate	Reference Range: B12: 230-1050 pg/mL; Folate: 3.0 -16.0 ng/mL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82607, 82746
<b>VITAMIN C</b> Synonyms: ASCORBIC ACID Nursing Alias: Use: Limitations: Additional Info:	Vit C	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 2 mL Centrifugation: Storage:	82180



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			Transport: Collection Notes:	
<b>VITAMIN E, SERUM</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	Vit E	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 2 ml Centrifugation: Storage: Transport: Collection Notes: PROTECT FROM LIGHT	84446
<b>WASHED RED BLOOD CELLS, DEGLYCEROLIZED RED BLOOD CELLS</b> Synonyms: Leukocyte Poor Packed Cells; Leukocyte Poor Washed Red Cells; Washed Blood; Washed Cells Nursing Alias: Use: Washed or deglycerolized red cells may be needed with patients who have repeated febrile reactions because of antibodies developed to leukocytes and platelets. Also used to prevent transfusion reactions to plasma proteins, especially IgA immunoglobulin deficiency. Washed red cells must be transfused to the recipient within 24 hours afterwashing. Washed cell requests are coordinated with the American Red Cross during normal working hours as much as possible. Limitations: Additional Info:	6401	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Stat tube Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:	p9022
<b>WET MOUNT/KOH PREP</b> Synonyms: Fungus Smear; KOH; Potassium Hydroxide Preparation; Trichomonas vaginalis Preparation Nursing Alias: Wetmount/Koh Prep Use: Limitations: Additional Info:	KOH (Fungus) WET (For Trich)	Reference Range: No fungal elements seen and/or no Trichomonas seen Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Appropriate specimen for KOH preparation is the same as for culture Containers: Cotton-tipped applicator in tube containing 1 mL sterile saline Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes: Specimen: For genital	87210



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			specimens, cotton-tipped applicator in tube containing 1 mL sterile saline.	
<b>WHITE BLOOD CELL COUNT</b> Synonyms: WBC Nursing Alias: WBC Use: Limitations: Additional Info:	WBC	Reference Range: 0-5 days: 9.4-34.0 k/uL; 5 days - 2 mo: 5.0-20.0 k/uL; 2 mo. - 3 yrs.: 6.0-17.0 k/uL; 3 yrs. - 14 yrs: 5.5-13.5 k/uL; > 14 yrs.: 4.5- 11.0 k/uL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 4 mL Lavender Top Tube, EDTA Lavender Top Microtainer, EDTA Minimum Volume: 4 mL, 2 mL tubes for venipuncture; 400 L for capillary specimen Centrifugation: Storage: Transport: Collection Notes:	85048
<b>WHITE BLOOD CELL COUNT WITH DIFFERENTIAL</b> Synonyms: WBC with Diff; WBCD Nursing Alias: WBC With Differential Use: Limitations: Additional Info:	WBCD	Reference Range: Refer to Table 1 in Appendix Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 4 mL Lavender Top Tube, EDTA Lavender Top Microtainer, EDTA Minimum Volume: 4mL and 2 mL tubes for venipuncture; 400 L for capillary specimen Centrifugation: Storage: Transport: Collection Notes:	85048, 85007
<b>WHOLE BLOOD</b> Synonyms: Transfusion, Whole Blood Nursing Alias: p9010 Use: Whole blood is usually the product of choice for acute blood loss in this hospital, but is usually not immediately available. Colloid or crystalloid solutions followed by red blood cells can be used instead in cases of acute blood loss. In special circumstances where whole blood is normally thought to be necessary, as in cases of exchange transfusions, red cells and fresh frozen plasma can be used. Compatibility tests must be performed using cells from the whole blood units and the patient's serum prior to transfusing whole blood. Whole blood can be held	6401	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Stat tube Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:	p9010



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<p>for possible transfusion to a patient up to midnight of the third day after the patient's specimen was drawn for the pre-transfusion tests. After the third day, a new patient specimen must be drawn and pre-transfusion tests done on the new sample.            Limitations:            Additional Info:</p>				
<p><b>ZINC, PLASMA or SERUM</b>            Synonyms: Zn            Nursing Alias:            Use:            Limitations:            Additional Info:</p>	Zinc Lvl	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Plasma Containers: Dark blue top tube with EDTA Red Top (No SST) Minimum Volume: 2 mL Centrifugation: Storage: Transport: Collection Notes:	84630