

## Brunswick 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 IgG chains is called 'heavy chain disease'.                      Limitations:                      Additional Info: <b>Sent to reference Lab</b></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: <b>Sent to reference lab</b></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
<p><b>5-HYDROXYINDOLEACETIC ACID, QUANTITATIVE, URINE</b>                      Synonyms: 5-HIAA, Quantitative, Urine; Serotonin, Urine                      Nursing Alias: HIAA, 5-, Urine                      Use:                      Limitations:</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

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Additional Info:				
<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:	ABORH	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Pink Top Tube, No Additive Minimum Volume: 7 mL Centrifugation: Storage: Transport: Collection Notes:	86900, 86901
<b>ACETAMINOPHEN, SERUM</b> Synonyms: Datril; Excedrin; Liquiprin; Paracetamol; Tempra; Tylenol Nursing Alias: Acetaminophen,S, Tylenol Use: Limitations: Additional Info:	Acetmn	Reference Range: Therapeutic: 10-25 mcg/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- Critical Values(High):>150 mcg/mL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Mint green Li heparin/gel separator. 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
<b>ACETONE, QUALITATIVE, SERUM</b> Synonyms: Blood Acetone; Ketone Bodies, Blood; Ketones Nursing Alias: Acetone, Ketone Use: Limitations: Additional Info:	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
<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:	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:	84060

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Additional Info: <b>Sent to reference lab</b>			Collection Notes:	
<b>ACT (Activated Clotting Time)</b> Synonyms: Activated Clotting Time; ACT Nursing Alias: ACT (Activated Clotting Time) Use: Limitations: Additional Info:	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
<b>ACTH (CORTISOL) STIMULATION TEST</b> Synonyms: CORTISOL STIMULATION TEST, CORTISOL Nursing Alias: CORTISOL STIMULATION TEST Use: Limitations: Additional Info:	Cortisol TR	Reference Range: REFER TO REPORT Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Green Li Heparin Minimum Volume: 6ml 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 PROMPTLY AT SPECIFIED TIMES.	82533, 82533, 82533
<b>ACUTE HEPATITIS PANEL</b> Synonyms: Nursing Alias: Acute Hepatitis Panel Use: Limitations: Additional Info: <b>Sent to reference lab</b>	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: <b>Sent to reference lab</b> <b>Complete specimen—smears done @ Labcorp.</b>	AFSM	Reference Range: No acid-fast bacilli seen Critical Values(Low): Critical Values(High): Positive smear 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

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<b>ALBUMIN, SERUM</b> Synonyms: ALB Nursing Alias: Albumin,S Use: Limitations: Additional Info:	ALB	Reference Range: See report-Age specific. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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 Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes: Do not use any alcohol based prep as a cleansing agent. Betadine may be used.	82055
<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. No preservative added.	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: Frozen Transport: Collection Notes:	82088

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>ALKALINE PHOSPHATASE, BODY FLUID</b> Synonyms: Nursing Alias: Alkaline Phosphatase, F Use: Limitations: Additional Info: <b>Sent to reference lab</b>	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: Transport: Collection Notes: State source of fluid on requisition (e.g., pleural, peritoneal, pericardial, synovial, cyst).	84075
<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: See report- Age and sex specific. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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: Limitations: Additional Info:	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 Centrifugation: Storage:	86003 x 30

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			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: 0-40 U/L, Male: 0-55 U/L Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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:	MISC TEST	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
<b>AMMONIA, PLASMA</b> Synonyms: Blood Ammonia; Blood NH3; NH3; NH4; AMM Nursing Alias: Ammonia,P Use: Limitations: Additional Info:	Ammonia	Reference Range: F: 19-87 mcg/dL M: 27-102 mcg/dL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: Lavender (EDTA) Minimum Volume: 4 mL Centrifugation: Centrifuge promptly. Storage: Store On Ice Transport: Call For STAT Courier Collection Notes:	82140

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<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>	MISC TEST	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:                      Additional Info:</p>	AMY	Reference Range: 31-124 IU/L Critical Values(Low): Critical Values(High):> 600 U/L Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82150
<p><b>AMYLASE, URINE</b>                      Synonyms:                      Nursing Alias:                      Use:                      Limitations:                      Additional Info: <b>Sent to reference lab</b></p>	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

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<p><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:</p>	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
<p><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:</p>	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
<p><b>ANEMIA PROFILE</b>                      Synonyms: Anemia Study; Anemia Survey; ANEM                      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>	Anemia Profile	Reference Range: Results interpreted by pathologist Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 4 mL Lavender Top Tube, EDTA 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 6 mL serum and 4 mL EDTA Centrifugation: Storage: Transport: Collection Notes:	83540, 82728, 83550, 83010, 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	Reference Range: Negative Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Pink Top Tube, No Additive Stat tube Minimum Volume: 3 mL serum Centrifugation: Storage: Transport: Collection Notes: Do not use serum separator tube	86850
<p><b>ANTIBODY TITER</b></p>	TITER	Reference Range: Negative	Specimen Type: Blood	86886



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Synonyms: Antibody Score Nursing Alias: Use: Limitations: Additional Info:		Critical Values(Low): Critical Values(High): Causes For Rejection:	Containers: 7 mL Pink Top Tube, No Additive Minimum Volume: 6 mL Centrifugation: Storage: Transport: Collection Notes: Use manual requisition	
<b>ANTINUCLEAR ANTIBODIES, IFA</b> Synonyms: ANA, IFA Nursing Alias: Use: Limitations: Additional Info:	FANA	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: Refrigerated Transport: Collection Notes:	86038
<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:	86060
<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: See report-Age and sex specific Critical Values(Low): Critical Values(High):>1000 U/L Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84450
<b>AST (SGOT), BODY FLUID</b>	BF AST	Reference Range: None has	Specimen Type: Any fresh body fluid	84450

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Synonyms: Nursing Alias: SGOT (AST) Use: Limitations: Additional Info: <b>Sent to reference lab</b>		been established Critical Values(Low): Critical Values(High): Causes For Rejection:	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).	
<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: ProBNP 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: Serum/Plasma Containers: 5 mL Serum, Green Li Heparin Minimum Volume: Centrifugation: Storage: plasma samples may be stored at room temperature 3 days. Refrigerated at 4Â°C for up to 6 days prior to testing. For longer storage, separate and freeze plasma at -20Â°C or colder in a non-defrosting freezer for 24 months Transport: Transport specimens so that extreme temperatures are avoided. Collection Notes:	83880
<b>BARTONELLA ANTIBODY PANEL</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	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: Storage: Transport: Collection Notes:	86611 x 4
<b>BASIC METABOLIC PANEL</b> Synonyms: BMP Nursing Alias: Basic Metabolic Panel, BMP Use:	BMP SP	Reference Range: See individual tests Critical Values(Low): Critical Values(High):	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly.	80048

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Limitations: Additional Info:		Causes For Rejection:	Storage: Transport: Collection Notes:	
<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: <0.5 mIU/mL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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; BILL 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:	Bili T/Direct	Reference Range: 1-14 days: total bilirubin, 0.6-11.1 mg/dL; unconjugated bilirubin, 0.6-10.5 mg/dL; conjugated bilirubin, 0.0-0.6 mg/dL Critical Values(Low): Critical Values(High):> 12 mg/dL if < 48 hrs old; > 15 mg/dL if > 48 hrs old Causes For Rejection:	Specimen Type: Blood Containers: Red Top Microtainer/green Li Heparin Minimum Volume: 1 Microtainer tube 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.	82247, 82248
<b>BILIRUBIN, TOTAL AND DIRECT, ADULT</b> Synonyms: Bilirubin, Total and Conjugated; Bilirubin, Total and Direct; BILL Nursing Alias: Use: In the diagnosis of jaundice in suspected liver dysfunction or hemolytic disease. Limitations:	Bili T/Direct	Reference Range: total: 0.2-1.2 mg/dL, conjugated: 0-0.3 mg/dL; unconjugated: 0.1-0.8 mg/dL, delta 0.0-0.5 mg/dL Critical Values(Low): Critical Values(High):Total Bilirubin > 15 mg/dL	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly Storage: Transport: Collection Notes:	82248, 82247

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Additional Info:		Causes For Rejection:		
<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:	TBIL	Reference Range: 0.2-1.2 mg/dL Critical Values(Low): Critical Values(High):> 15 mg/dL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly Storage: Transport: Collection Notes:	82247
<b>BILIRUBIN, TOTAL, BODY FLUID</b> Synonyms: Nursing Alias: Bilirubin, Total, Fluid Use: Limitations: Additional Info: <b>Sent to reference lab</b>	BF Bili	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).	82247
<b>BLASTOMYCES ANTIBODIES</b> Synonyms: Blastomycosis Immunodiffusion, Blastomyces dermatitidis Nursing Alias: Blastomyces AB, ID Use: Limitations: Additional Info:	MISC TEST	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: Storage: Transport: Collection Notes: 1 mL serum from fasting patient.	86612
<b>BLOOD DONATION DIRECTED</b> Synonyms: Designated Blood Donation; Directed Blood Donation Nursing Alias: p9021 Use: Limitations: Additional Info:	Call Blood Bank & ARC to schedule donation	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6mL Pink top tube Minimum Volume: 4mL 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 One Call Center- They will schedule an appointment with 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:	

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			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> Synonyms: PERTUSSIS, PARAPERTUSSIS Nursing Alias: Use: Limitations: Additional Info:	Bord DFA	Reference Range: No Bordetella species seen, or None Detected Critical Values(Low): Critical Values(High): Causes For Rejection: Slide > 72 hours	Specimen Type: Nasopharyngeal swabs Containers: Air-dried smears in cardboard container Minimum Volume: Centrifugation: Storage: Room Temp. Transport: Room temperature; stable for 2 days, maximum. Collection Notes:	87265 x 2
<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: See report-Age and sex specific Critical Values(Low): Critical Values(High):> 100 mg/dL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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: <b>Sent to reference lab</b>	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: Refrigerate 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: <b>Sent to reference lab</b>	Probe Chlam	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: APTIMA swab (from labcorp) Minimum Volume: Centrifugation: Storage: Transport: Collection Notes:	87491

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p><b>C3 COMPLEMENT, SERUM</b>                      Synonyms: C3 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:                      Additional Info:</p>	C3	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:	86160
<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	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:	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	Reference Range: Refer to report 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:	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	Reference Range: Refer to report 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:	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                      Limitations:                      Additional Info:</p>	CA 19-9	Reference Range: Refer to report 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:	86301

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p><b>CALCIUM, BODY FLUID</b>                      Synonyms:                      Nursing Alias: Calcium, Fluid                      Use:                      Limitations:                      Additional Info: <b>Sent to reference lab</b></p>	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
<p><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:</p>	Ca	Reference Range: See report-Age specific Critical Values(Low): < 7 mg/dL Critical Values(High):> 13 mg/dL;Neonate: >12 mg/dL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82310
<p><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: <b>Sent to reference lab</b></p>	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 w/ 10 mL 6N HCL from the chemistry department. Refrigerate or keep on ice.	82340, Additional CPT Code 81050 added to test code U24CAL
<p><b>CALCIUM/CREATININE RATIO</b>                      Synonyms:                      Nursing Alias: Calcium/Creatinine Ratio, Urine                      Use:                      Limitations:                      Additional Info: <b>Sent to reference lab</b></p>	Calcium/creatinine Ratio, Urine	Reference Range: < 0.2 (hyper-absorbers); > 0.2 (hyper-leakers) 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: Collection Notes:	82310, 82570
<p><b>Calculus Analysis</b>                      Synonyms: STONE ANALYSIS                      Nursing Alias: Stone Analysis                      Use: Any stone other than kidney stone. For Kidney (renal)</p>	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:	82365

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
stone refer to test code XKIDST. Limitations: Additional Info:			Storage: Transport: Collection Notes:	
<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: 4.0-12.0 mcg/mL Critical Values(Low): Critical Values(High): >15.0 mcg/mL Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Green Li Heparin 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: Use: CO2 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 CO2 and pH levels: respiratory alkalosis, respiratory acidosis, metabolic acidosis, and metabolic alkalosis. Limitations: Additional Info:	CO2	Reference Range: 20-32 mmol/L Critical Values(Low): < 10 mmol/L Critical Values(High):> 40 mmol/L Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82374
<b>CARDIOLIPIN Ab,IgA/G/M,Qn</b> Synonyms: ANTICARDIOLIPIN ANTIBODIES Nursing Alias: Use: Limitations: Additional Info:	Cardiolipin GAM	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:	86003 x 11, 82785



## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<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	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 25 mL of 50% acetic acid during collection. Refrigerate or keep on ice.	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: <b>Sent to reference lab</b></p>	CEA	Reference Range: Non-Smokers: <3.9 ng/mL; Smokers: <5.6 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:	82378
<p><b>CELIAC DISEASE COMPHRENSIVE</b>                      Synonyms:                      Nursing Alias:                      Use:                      Limitations:                      Additional Info:</p>	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
<p><b>CELIAC DISEASE II</b>                      Synonyms:                      Nursing Alias:                      Use:                      Limitations:                      Additional Info:</p>	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
<p><b>CELIAC DISEASE PANEL</b>                      Synonyms: Tissue Transglutaminase Antibodies                      Nursing Alias:                      Use:                      Limitations:                      Additional Info:</p>	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:	82784, 83516, 86255

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			Collection Notes:	
<b>CELL COUNT, BODY FLUIDS</b> Synonyms: Pleural Fluid Cell Count; Synovial Fluid Cell Count; Joint Fluid 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: Lavender top tube (EDTA) Minimum Volume: 1-3 mL Centrifugation: Storage: Transport: Collection Notes:	89051
<b>CENTROMERE ANTIBODY</b> Synonyms: CENTROMERE, ANTI-CENTROMERE Nursing Alias: CENTROMERE, ANTI-CENTROMERE Use: Aids in the diagnosis of Crest Syndrome and Rainaud's Phenomenon. Limitations: Additional Info:	Centro Scr	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>CH50</b> Synonyms: Complement, Total Nursing Alias: Use: Limitations: Additional Info:	CH50	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 6 mL Yellow Top Tube + Activator Minimum Volume: 2mL Centrifugation: Storage: Transport: Collection Notes:	86162
<b>CHLAMYDIA ANTIBODIES</b> Synonyms: Psittacosis Antibodies Nursing Alias: C. Trachomatis AB IgG 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: Specify complement fixation for IgG antibodies (includes lymphogranuloma venereum (LGV) and psittacosis) or IgM antibodies	86631
<b>CHLORIDE, BODY FLUID</b> Synonyms:	BF CL	Reference Range: None have been established.	Specimen Type: Any fresh body fluid Containers: Sterile tube	82438

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Nursing Alias: Chloride, 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, pericardial, synovial, cyst).	
<b>CHLORIDE, SERUM</b> Synonyms: CL Nursing Alias: Chloride,S Use: Limitations: Additional Info:	CL	Reference Range: 97-108 mmol/L Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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: <20yrs:100-169 mg/dL; >20yrs: 100-199 mg/dL. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82465
<b>CHOLESTEROL, BODY FLUID</b> Synonyms: Nursing Alias: Cholesterol, Fluid Use:	BF CHOL	Reference Range: None have been established. Critical Values(Low): Critical Values(High):	Specimen Type: Any fresh body fluid Containers: Sterile tube Minimum Volume: 1 mL Centrifugation:	82465

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>Limitations: Additional Info: <b>Sent to reference lab</b></p>		Causes For Rejection:	<p>Storage: Transport: Collection Notes: State source of fluid on requisition (e.g., pleural, peritoneal, pericardial, synovial, cyst).</p>	
<p><b>CHROMOSOME,BLOOD,ROUTINE</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:</p>	Chrom Bld LC	<p>Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>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:</p>	88291, 88230, 88262
<p><b>CK-MB (MASS)</b> Synonyms: CK, CKMASS, CK MASS Nursing Alias: Use: Limitations: Additional Info:</p>	Ck-mass	<p>Reference Range: M: 0.0 – 5.0 ng/mL; F: 0.0-2.9 ng/mL Critical Values(Low): Critical Values(High): Causes For Rejection: GROSS HEMOLYSIS</p>	<p>Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: CENTRIFUGE PROMPTLY Storage: Transport: Collection Notes:</p>	82553
<p><b>CLINICAL DRUG SCREEN</b> Synonyms: PROGRESSIVE DRUG SCREEN Nursing Alias: Use: Limitations: Additional Info: <b>Sent to Reference Lab</b></p>	Drug Scrn TR	<p>Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>Specimen Type: Random urine Containers: Clean Screw Cap Container Minimum Volume: 10 mL Centrifugation: Storage: Transport: Room Temp. Collection Notes:</p>	80101 X 10
<p><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&amp;B Toxin By EIA Use: Limitations: Additional Info:</p>	CTOX	<p>Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>Specimen Type: Stool; Proctoscopic specimen Containers: Stool container Minimum Volume: 5-10 grams if formed, 5 mL if liquid Centrifugation: Storage: Transport: Collection Notes:</p>	87324
<p><b>CMV CULTURE</b> Synonyms: CYTOMEGALOVIRUS CULTURE</p>	C CMV TR	<p>Reference Range: Critical Values(Low):</p>	<p>Specimen Type: Blood (buffy coat) Containers: Green Top Tube, Lithium</p>	87252, 87254

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>Nursing Alias: Use: Limitations: Additional Info:</p>		<p>Critical Values(High): Causes For Rejection:</p>	<p>Heparin Minimum Volume: 10-14 mL BLOOD Centrifugation: Storage: Transport: Collection Notes: Collect two green top heparin tubes . Transport at room temperature as soon as possible. Don not freeze.</p>	
<p><b>COAGULATION PROFILE</b> Synonyms: Coagulation Screening Profile; COAG Nursing Alias: Coagulation Profile Use: Limitations: Additional Info:</p>	Coagulation Profile	<p>Reference Range: See individual tests Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>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:</p>	85610, 85730, 85384, 85379, 85002, 85025 or 85023
<p><b>COCCIDIOIDES ANTIBODIES</b> Synonyms: Coccidioides immitis Nursing Alias: Coccidioides AB, CF Use: Limitations: Additional Info:</p>	MISS	<p>Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>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.</p>	86635
<p><b>COLD HEMAGGLUTINS</b> Synonyms: Nursing Alias: Cold Hemagglutinins Use: Limitations: Additional Info:</p>	Cold Agglut	<p>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:</p>	<p>Specimen Type: Blood Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 7 mL Centrifugation: Storage: Transport: Collection Notes:</p>	86157
<p><b>COMPLETE BLOOD COUNT WITH DIFFERENTIAL</b></p>	CBCD SP	Reference Range: See	Specimen Type: Blood	85025 or 85023

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p><b>COUNT</b>  Synonyms: CBC With Diff, CBCD  Nursing Alias: CBC With Differential  Use:  Limitations:  Additional Info:</p>		<p>report-Age and sex specific  Critical Values(Low):  Critical Values(High):  Causes For Rejection:</p>	<p>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:</p>	
<p><b>COMPLETE BLOOD COUNT WITHOUT DIFFERENTIAL COUNT</b>  Synonyms: CBC Without Diff, CBC  Nursing Alias: CBC Without Differential  Use:  Limitations:  Additional Info:</p>	ABC SP	<p>Reference Range: See report-Age and sex specific  Critical Values(Low):  Critical Values(High):  Causes For Rejection:</p>	<p>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:</p>	85027
<p><b>COMPREHENSIVE METABOLIC PANEL</b>  Synonyms: CMP  Nursing Alias: Comprehensive Metabolic Panel  Use:  Limitations:  Additional Info:</p>	CMP SP	<p>Reference Range: See individual tests  Critical Values(Low):  Critical Values(High):  Causes For Rejection:</p>	<p>Specimen Type: Blood  Containers: 6 mL Green Li Heparin  Minimum Volume: 6 mL  Centrifugation: Centrifuge promptly.  Storage:  Transport:  Collection Notes:</p>	80053
<p><b>COOMBS, INDIRECT</b>  Synonyms: Indirect Anti-human Globulin Test; Indirect Coombs; 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	<p>Reference Range: Negative  Critical Values(Low):  Critical Values(High):  Causes For Rejection:</p>	<p>Specimen Type: Blood  Containers: 7 mL Pink 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.</p>	86850

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>CORTISOL, SERUM</b> Synonyms: CORT, CORTISOL Nursing Alias: Cortisol, S Use: Limitations: Additional Info:	CORT	Reference Range: 2.3-19.4 mcg/dL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82533
<b>COXSACKIE A VIRUS TITER</b> Synonyms: Nursing Alias: Coxsackie A Virus AB Use: See Aseptic Meningitis Meningoencephalitis Profile 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:	86658
<b>CPK AND CK-MB ISOENZYMES</b> Synonyms: CK Isoenzymes; CPK Isoenzymes; CPK,CREATININE PHOSPHOKINASE Nursing Alias: CPK/CKMB Use: Limitations: Additional Info: <b>Sent to reference lab</b>	CKISO	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
<b>CPK, TOTAL</b> Synonyms: CK; CK, Serum, CREATINE PHOSPHOKINASE, TOTAL Nursing Alias: CPK, S Use: Limitations: Additional Info:	CK	Reference Range: Female: 24-204 U/L; male: 24-173 U/L Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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:	CKWITH	Reference Range: CPK female 24-204 U/L; male 24-173 U/L; CK-MB 0-16 U/L; Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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	CRCL	Reference Range: <12: 50-90 mL/min; M(adult):97-137 ml/min; F(adult) 88-128	Specimen Type: 24 hour urine; Blood Containers: 24 hour Urine Container; 6 mL Green Li Heparin	82575

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>Use: To estimate glomerular filtration rate. Low clearance values represent renal damage or renal insufficiency.                      Limitations:                      Additional Info:</p>		<p>mL/min (clearance is corrected for patient's body surface)                      Critical Values(Low):                      Critical Values(High):                      Causes For Rejection:</p>	<p>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.</p>	
<p><b>CREATININE, BODY FLUID</b>                      Synonyms:                      Nursing Alias: Creatinine, Fluid                      Use:                      Limitations:                      Additional Info:</p>	BF Crea	<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, synovial, cyst)</p>	82570
<p><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:</p>	Crea SP	<p>Reference Range:See report-                      Age and sex specific                      Critical Values(Low):                      Critical Values(High):                      Causes For Rejection:</p>	<p>Specimen Type: Blood                      Containers: 6 mL Green Li Heparin                      Minimum Volume: 6 mL                      Centrifugation: Centrifuge promptly.                      Storage:                      Transport:                      Collection Notes:</p>	82565
<p><b>CREATININE, URINE, 24 HOUR</b>                      Synonyms: Urine Creatinine                      Nursing Alias: Creatinine, Urine, 24 Hour                      Use:                      Limitations:                      Additional Info:</p>	U24 Creatinine	<p>Reference Range: M: 1000-2000 mg/24 hours; F: 800-1800 mg/24hrs                      Critical Values(Low):                      Critical Values(High):                      Causes For Rejection:</p>	<p>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.</p>	82570, 81050
<p><b>CREATININE, URINE, RANDOM</b>                      Synonyms:                      Nursing Alias: Creatinine, Urine (Random)                      Use:                      Limitations:                      Additional Info:</p>	U Crea	<p>Reference Range: M/F &lt;40:16-392 mg/dL; M/F &gt;40: 15-328 mg/dL.                      Critical Values(Low):                      Critical Values(High):                      Causes For Rejection:</p>	<p>Specimen Type: Urine                      Containers: Clean Screw Cap Container                      Minimum Volume: 10 mL                      Centrifugation:                      Storage:                      Transport:                      Collection Notes:</p>	82570



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>CRP, CSF</b> Synonyms: Acute Phase Reactant; CRP 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: CSF Containers: Spinal fluid tube Minimum Volume: 1 mL spinal fluid Centrifugation: Storage: Transport: Collection Notes:	86140
<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 – 4.9 mg/L Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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 Willebrand'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 Minimum Volume: 4 mL Centrifugation: Storage: Transport: Collection Notes: Do not use serum separator tube. Blood Bank bracelet IS required.	P9012
<b>CRYPTOCOCCAL ANTIGEN TITER, CEREBROSPINAL FLUID</b> Synonyms: Cerebrospinal Fluid Cryptococcal Antigen; CSF CryptococcalAntigen; Spinal Fluid Cryptococcal Antigen Nursing Alias: Cryptococcus AG, CSF Use:	CAG	Reference Range: Negative. Titers of 1:8 or greater are highly suggestive of active infection. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Spinal fluid Containers: Sterile CSF collection tube Minimum Volume: 2 mL Centrifugation: Storage: Transport: Collection Notes:	87449

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Limitations: Additional Info:				
<b>CRYPTOSPORIDIUM EXAMINATION</b> Synonyms: Acid-Fast Stain, Modified; Cryptosporidium, ISOSPORA CYCLOSPORA Nursing Alias: Cryptosporidium Exam Use: Limitations: Additional Info: <b>Sent to reference lab</b>	Cryptosporidium Detection	Reference Range: No Cryptosporidium, ISOSPORA CYCLOSPORA observed Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: MF Preserved Stool Containers: O&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.	87206
<b>CRYSTALS, BODY FLUID</b> Synonyms: Nursing Alias: Crystals, Body Fluid Use: Limitations: Additional Info:	BF crys SP	Reference Range: Negative Critical Values(Low): Critical Values(High): Causes For Rejection:	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	89060
<b>CULTURE, ACTINOMYCETES</b> Synonyms: Anaerobic Culture, Actinomycosis Nursing Alias: Culture, Anaerobic Use: Limitations: Additional Info:	**Comment "Look for Actinomyces" when ordering Anaerobic culture. **	Reference Range: No Actinomyces isolated Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Pus Containers: Anaerobic culture swab Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes: Depending on site, 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.	87075, 87205
<b>CULTURE, AFB SMEAR AND</b> Synonyms: Acid-Fast Culture; TB Culture; Mycobacterium Nursing Alias: AFB Smear Culture Use:	C AFB	Reference Range: No acid- fast bacilli seen on initial smear or isolated on culture at 3 and 6 weeks.	Specimen Type: First morning sputum Containers: Sterile container Minimum Volume: 1-5 mL Centrifugation:	87116, 87206

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>Limitations: Additional Info: <b>Sent to reference lab</b></p>		<p>Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>Storage: Transport: Collection Notes: Specimen First morning sputum, fasting gastric aspirate, induced sputum, tissue, biopsy, bronchial aspirate, urine, skin, CSF, bone marrow, fluid.</p>	
<p><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:</p>	C Wnd	<p>Reference Range: No growth of anaerobic bacteria Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>Specimen Type: Pus or sterile fluid or Sterile swab. 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.</p>	87075, 87205
<p><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:</p>	C BLOOD	<p>Reference Range: No Growth Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>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's weight according to the following guidelines:; weight: 0.0-8.5; age: Newborn-1 month; blood Centrifugation: Storage: Transport: Collection Notes:</p>	87040
<p><b>CULTURE, BODY FLUID</b> Synonyms: Routine Culture, Bacterial Culture, C&amp;S Nursing Alias: Culture, Body Fluid Use: Limitations: Additional Info:</p>	C Body Fluid	<p>Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>Specimen Type: PLEURAL; SYNOVIAL; ETC Containers: Aerobic culture swab Anaerobic culture swab Sterile tube Minimum Volume: Not Applicable</p>	87070, 87205

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			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.)	
<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 Nursing Alias: Culture, Bronchoscopy Use: Limitations: Additional Info:	C QRes	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Bronchoscopy or Aveolar Washing/Lavage 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.)	87070, 87205
<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	87110, 87140

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			should be used to obtain specimens. Conjunctival swab, posterior nasopharyngeal or throat swab, cervical swab, aspirates, urethral swab, swabs or tissue removed at biopsy.	
<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 Nursing Alias: Culture, CSF Use: Limitations: Additional Info:	C CSF	Reference Range: 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 fluid Centrifugation: Storage: Transport: Collection Notes: Requisition must state specific site of specimen and date and time of collection.	87070, 87205
<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:	MISS	Reference Range: No Corynebacterium diphtheriae isolated. Critical Values(Low): Critical Values(High):	Specimen Type: Nasopharyngeal swabs; Throat Swab Containers: Mini-tip culturettes Minimum Volume: 1 swab for each site sampled.	87070

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Limitations: Additional Info:		Causes For Rejection:	Centrifugation: Storage: Transport: Collection Notes: nasopharyngeal is specimen of choice.	
<b>CULTURE, EAR</b> Synonyms: Routine Culture, Bacterial Culture, C&S Nursing Alias: Culture, Ear Use: Limitations: Additional Info:	C WND (with source of Ear).	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.; (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, 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:	C WND (with source of Eye.)	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	C FUN	Reference Range: No yeasts or moulds isolated at 2 and 4 weeks.	Specimen Type: Spinal fluid; Stool; Sputum; Urine; Skin scrapings; Tissue or biopsy; Nails; Scalp and hair; Bone	87102, 87220

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>Use: Limitations: Additional Info:</p>		<p>Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>marrow; Exudates Containers: Sterile container Sterile petri dish Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes:</p>	
<p><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:</p>	C FUNB	<p>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:</p>	<p>Specimen Type: Blood Containers: Standard Aerobic &amp; Anaerobic bottles; Standard Pedi-bact bottle. Minimum Volume: Dependant on Patient's weight and age. 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.</p>	87103
<p><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:</p>	C GC	<p>Reference Range: No Neisseria gonorrhoeae isolated Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>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:</p>	87081
<p><b>CULTURE, GROUP B STREP</b> Synonyms: Beta-Hemolytic Strep Culture Nursing Alias: Culture, Group B Strep Use: Limitations: Additional Info:</p>	C Grp B	<p>Reference Range: No group B strep Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>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</p>	87070

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			time of collection.	
<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
<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	87070



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			types.	
<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
<b>CULTURE, SINUS</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:		Reference Range: NO AEROBIC OR ANAEROBIC 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	C Stool	Reference Range: No Salmonella, Shigella, Campylobacter; Yersinia; E.coli 0157:H7.	Specimen Type: Fresh random stool Containers: Stool container Minimum Volume: 5 mL Centrifugation:	87045, 87046

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Use: Limitations: Additional Info:		Critical Values(Low): Critical Values(High): Causes For Rejection:	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	
<b>CULTURE, THROAT OR NASAL</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	C Throat	Reference Range: NORMAL OROPHARYNGEAL OR NORMAL NASOPHARYNGEAL FLORA (DEPENDING ON SITE) Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Throat or tonsil Containers: Aerobic culture swab Minimum Volume: 1 SWAB Centrifugation: Storage: Transport: Collection Notes:	87081
<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:		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:	87070, 87205

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>Limitations: Additional Info:</p>			<p>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.</p>	
<p><b>CULTURE, VRE</b> Synonyms: VRE CULTURE, VRE SCREEN, ENTEROCOCCUS Nursing Alias: CULTURE, VRE Use: Limitations: Additional Info:</p>	C VRE	<p>Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>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.</p>	87081
<p><b>CULTURE, WOUND</b> Synonyms: ROUTING CULTURE, BACTERIA CULTURE, C&amp;S, AEROBIC CULTURE Nursing Alias: CULTURE, WOUND Use: Limitations: Additional Info:</p>	C Wnd	<p>Reference Range: NO AEROBIC GROWTH OR ANAEROBIC GROWTH Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>Specimen Type: Not applicable Containers: Aerobic culture swab Anaerobic culture swab Minimum Volume: Centrifugation: Storage: Transport: Collection Notes:</p>	87070, 87205
<p><b>CYCLIC CITRULLINE PEPTIDE</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:</p>	CCP	<p>Reference Range: Refer to hard copy of report. Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>Specimen Type: Serum Containers: 6 mL Red Top Tube, No Additive Minimum Volume: 1.0ml Centrifugation: Storage: Transport: Collection Notes:</p>	83520
<p><b>CYSTIC FIBROSIS PROFILE</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:</p>	Cyst Fib Panel	<p>Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>Specimen Type: Whole blood Containers: Lavender Top, EDTA Minimum Volume: 7 ml Centrifugation: Storage: Transport:</p>	83914 x 25, 83891, 83900, 84901 x 4, 83909, 83912

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			Collection Notes:	
<b>PERIPHERAL BLOOD SMEAR EVAL</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	CYTO	Reference Range: Interpreted by Pathologist Critical Values(Low): Critical Values(High): Causes For Rejection:.	Specimen Type: Peripheral Blood Containers: Minimum Volume: Centrifugation: Storage: Transport: Collection Notes: Specimen:	85060
<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: Material not adequate for DX	Specimen Type: FNA 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.	95% Alc/w smears 88173 88305  In Preservcyt 88173 88112
<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, Pericardial Fluids or Effusions; Spinal Fluid; Sputum; Urine; Body Fluids. 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. Call ext. 5532 or 2511 with questions. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: NonGyn Containers: Not Applicable Minimum Volume: Not Applicable Centrifugation: 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.	Breast/nipple discharge 88104  Other Nongyns 88104 88305 85060
<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:	88312

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			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.	88142
<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:	D-Dimer	Reference Range: <0.46 Critical Values(Low):	Specimen Type: Plasma Containers: 4.5mL Light Blue Top Tube,	85379

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Nursing Alias: Use: Limitations: Additional Info:		Critical Values(High): Causes For Rejection: QNS	Sodium Citrate, 3.2% Minimum Volume: 4.5mL Centrifugation: YES Storage: 4 HOURS RT Transport: Collection Notes:	
<b>DIC PROFILE</b> Synonyms: DIC Panel; DIC Evaluation; DIC Nursing Alias: Dic Profile Use: Limitations: Additional Info:	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: 4 hours RT Transport: Collection Notes:	85379, 85610, 85730, 85384, 85362, 85595
<b>DIFFERENTIAL, MANUAL</b> Synonyms: Manual Diff; DIFF Nursing Alias: Manual Differential Use: Limitations: Additional Info:	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
<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:	Dig	Reference Range: Therapeutic range: 0.9-2.0 ng/mL Critical Values(Low): Toxic level: > 2.5 ng/mL Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	80162
<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	Poly DAT	Reference Range: NEGATIVE Critical Values(Low): Critical Values(High): Positive for Neonates. Causes For Rejection:	Specimen Type: Blood Containers: 5 mL Lavender Top Tube, EDTA Minimum Volume: 1mL Centrifugation: Storage: Transport: Collection Notes:	86880

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Limitations: 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:	UR Drugs of Abuse Scrn	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:	G4031
<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. Transport: Collection Notes:	86665, 86664, 86663
<b>ECHO VIRUS TITER</b> Synonyms: Enterovirus Culture	MISS	Reference Range: Critical Values(Low):	Specimen Type: Blood Containers: 7 mL Red Top Tube, No	86658x5

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Nursing Alias: Echovirus AB BY CF Use: Limitations: Additional Info:		Critical Values(High): Causes For Rejection:	Additive Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:	
<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 Green Li Heparin 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: 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: Transport: Collection Notes: Container: 5 mL, or 2 mL lavender top tubes for venipuncture; 400 ul for capillary specimen	85025
<b>EPSTEIN-BARR VIRUS ACUTE INFECTIONAL ANTIBODIES</b> Synonyms: EBV ACUTE INFECTIONAL 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



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<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: Additional Info:	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 indicative of recent infection. Titers on a single sample are not diagnostically significant. 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:	86000x6
<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:	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:	82705

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Limitations: Additional Info:			Storage: Transport: Collection Notes:	
<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: 13-150ng/mL; Males: 30-400 ng/mL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	82728
<b>Fetal Fibronectin</b> 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:	Fetal Fbn	Reference Range: Negative Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Swab of posterior fornix. Containers: Special specimen collection kit Minimum Volume: Centrifugation: Storage: Transport: Quickly to lab for analysis Collection Notes:	82731
<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:	MISS	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:	Specimen Type: Whole blood Containers: 4 ml Lavender Top Minimum Volume: 3.0 mL Centrifugation: Storage: Transport: Collection Notes:	P9012
<b>FIBRINOGEN</b> Synonyms: Fibrinogen Level; Quantitative Fibrinogen;	Fib	Reference Range: 243-470 mg/dL	Specimen Type: Blood Containers: 2.7 mL Light Blue Top Tube,	85384

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>FIBR</b> Nursing Alias: Fibrinogen Use: Limitations: Additional Info:		Critical Values(Low): Critical Values(High): Causes For Rejection:	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: 4 hours RT Transport: Collection Notes:	
<b>FINE NEEDLE ASPIRATION CYTOLOGY, PALPABLE MASS (PATHOLOGIST)</b> Synonyms: FNA by Pathologist; FNA with Quick Stain; Needle Aspiration With Diff-Quick Stain Nursing Alias: Use: Limitations: Additional Info:	CYTO	Reference Range: Interpretive report issued. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Needle aspiration specimen obtained by pathologist Containers: Preservcyt Fixative 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: <b>Sent to reference lab</b>	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

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p><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 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:</p>	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: Storage: Transport: Collection Notes: Plasma must be transfused within 24 hours after thawing; once thawed it cannot be returned to the Blood Bank.	86972
<p><b>FROZEN TISSUE SECTION</b>            Synonyms: Frozen Section; FS; Surgical Pathology Consultation            Nursing Alias:            Use:            Limitations:            Additional Info:</p>	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:	
<p><b>FSH (FOLLICLE STIMULATING HORMONE, SERUM)</b>            Synonyms: FSH            Nursing Alias: FSH            Use:            Limitations:            Additional Info: <b>Sent to reference lab</b></p>	FSH	Reference Range: Refer to report Critical Values(Low): NA Critical Values(High):NA Causes For Rejection: UNLABELD 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
<p><b>FTA-ABS, SERUM</b>            Synonyms: Fluorescent Treponemal Antibody-Absorption            Nursing Alias: FTA-ABS            Use:            Limitations:            Additional Info:</p>	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: Storage:	86781

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			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 Green Li Heparin 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: M: 0-65 IU/L; F: 0-60 IU/L Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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
<b>GASTRIN, SERUM</b> Synonyms: Nursing Alias: Gastrin Use: Limitations: Additional Info:	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	82941

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			required. (minimum 12 hours)	
<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>	<p>Gentamicin Level Trough (TROUGH);            Gentamicin Level Peak (PEAK) Gentamicin Level; (RANDOM)</p>	<p>Reference Range: Trough: 0.5-1.5 mcg/mL; peak: 6-10 mcg/mL; Random: 0.5-10.0 mcg/mL            Critical Values(Low):            Critical Values(High):Trough level: &gt; 2 mcg/mL; peak level: &gt; 12 mcg/mL            Causes For Rejection:</p>	<p>Specimen Type: Blood            Containers: 6 mL Green Li Heparin            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 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.</p>	<p>80170</p>
<p><b>GIARDIA by EIA</b>            Synonyms: Giardia lamblia Antigen by EIA            Nursing Alias: Giardia Antigen BY EIA            Use:            Limitations:            Additional Info:</p>	<p>Giardia Scrn</p>	<p>Reference Range: Not Detected            Critical Values(Low):            Critical Values(High):            Causes For Rejection:</p>	<p>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</p>	<p>87328</p>

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			solution at room temperature or in a clean leak-proof container in refrigeration.	
<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 Use: Limitations: Additional Info:	BF Glu (specify Pleural fluid)	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Pleural fluid Containers: Sterile container Minimum Volume: 1mL Centrifugation: Storage: Transport: Collection Notes: STATE SOURCE OF FLUID ON REQUISITON	82945
<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:	GTT1	Reference Range: A serum glucose value of > 140 mg/dL is considered abnormal, and the oral glucose tolerance is recommended for these patients.	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly Storage: Transport:	82950

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Additional Info:		Critical Values(Low): Critical Values(High): Causes For Rejection:	Collection Notes:	
<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 Green Li Heparin 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> Synonyms: Nursing Alias: Glucose Tolerance, Gestational (S) Use: To diagnose gestational diabetes Limitations: Additional Info:	GTT G	Reference Range: Interpretation by pathologist Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly Storage: Transport: Collection Notes:	82951, 82952
<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): 0-6mon: <40 mg/dL; Adult: <60 mg/dL Critical Values(High): 0-6mon: >150 mg/dL; Adult: >400 mg/dL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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:	BF Glu (specify the type of fluid, synovial, Pleural, other.)	Reference Range: 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)	82945
<b>GLUCOSE, CSF</b>	CSF Glu	Reference Range: See	Specimen Type: CSF	



## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Synonyms: Nursing Alias: Use: Limitations: Additional Info:		report- Age specific Critical Values(Low): Critical Values(High): Causes For Rejection:	Containers: Sterile tube Minimum Volume: 1 mL Centrifugation: Storage: Transport: Collection Notes:	
<b>GLUCOSE, SYNOVIAL FLUID</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	BF Glu (specify synovial fluid)	Reference Range: 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: Critical Values(Low): See critical values for Glucose, Blood Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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: <b>Sent to reference lab</b>	GLYCOHGB, Total	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

## Brunswick Laboratory's Catalog of Tests

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): Organisms seen on CSF;BLD Cultures & Sterile body fluids 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: <b>Sent to reference lab</b>	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> Synonyms: hcG, Qualitative, Urine; hcG, Urine; Urine Pregnancy Nursing Alias: HCG, Qualitative Urine Use: Limitations: Additional Info:	U HCG Qual	Reference Range: Negative 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: First morning specimen preferred	81025

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>HCV RNA by PCR, RFX GENO</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	HCV RNA Gen	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Yellow Top Tube + Activator Minimum Volume: 1 mL Centrifugation: Storage: Transport: Collection Notes:	87522
<b>HEAVY METAL SCREEN, URINE</b> Synonyms: Nursing Alias: Heavy Metals (U) Use: Limitations: Additional Info:	Hvy Met U Qut	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: 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.	82175, 82570, 83655, 83825
<b>HELICOBACTER PYLORI SEROLOGY</b> Synonyms: Campylobacter pylori serology Nursing Alias: H Pylori IGG, Qual Use: Limitations: Additional Info:	Helico IgG Ab	Reference Range: None detected 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:	86677
<b>HEMOGLOBIN &amp; HEMATOCRIT</b> Synonyms: Hgb; HH Nursing Alias: HGB & HCT Use: Limitations: Additional Info:	Hgb & Hct SP	Reference Range: See report-Age and sex specific Critical Values(Low): Critical Values(High): 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

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<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 - 5.6% 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 Use: Assist in the diagnosis of heparin-induced thrombocytopenia Limitations: Additional Info:	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: 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.	86022
<b>HEPARIN LEVEL ANTI X-A</b> Synonyms: HEPARIN ASSAY ANTI X-A Nursing Alias: HEPARIN X-A Use: Limitations: Additional Info: 2 orders now, Unfractionated and Fractionated.	1.Anti-Xa LMWH TR  2. Anti-Xa UFH 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: 4.5 mL Centrifugation: Storage: 4 hours RT Transport: Collection Notes:	85520
<b>HEPATIC FUNCTION PANEL A</b> Synonyms: HFP Nursing Alias: Hepatic Function Panel A Use:	Liver TR	Reference Range: See individual tests Critical Values(Low): Critical Values(High):	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly.	80076

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Limitations: Additional Info:		Causes For Rejection:	Storage: Transport: Collection Notes:	
<b>HEPATITIS A ANTIBODY, IgM</b> Synonyms: Antibody to Hepatitis A virus, IgM Nursing Alias: Hepatitis A IGM Antibody Use: Limitations: Additional Info: <b>Sent to reference lab</b>	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 Use: Limitations: Additional Info: <b>Sent to reference lab</b>	HBcAb 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:	86705
<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: <b>Sent to reference lab</b>	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

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<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> Synonyms: HBeAg Nursing Alias: Hepatitis Be Antigen Use: Limitations: Additional Info:	Hep Be Ag	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:	87350
<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: <b>Sent to reference lab</b>	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>	HDL	Reference Range: >39 mg/dL	Specimen Type: Blood	83718

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>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. 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:</p>		<p>Critical Values(Low):                      Critical Values(High):                      Causes For Rejection:</p>	<p>Containers: 6 mL Green Li Heparin                      Minimum Volume: 6 mL                      Centrifugation: Centrifuge promptly.                      Storage:                      Transport:                      Collection Notes:</p>	
<p><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:</p>	MISS	<p>Reference Range: &lt;100                      AU/mL = Negative; 100-120                      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>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:</p>	83520
<p><b>HLA-B27</b>                      Synonyms: HLA-Antigen B27                      Nursing Alias: HLA-B27 Antigen                      Use:                      Limitations:                      Additional Info:</p>	HLA B27 LC	<p>Reference Range: Refer to report                      Critical Values(Low):                      Critical Values(High):                      Causes For Rejection:                      Sample has been refrigerated.</p>	<p>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</p>	86812
<p><b>HOMOCYSTEINE</b>                      Synonyms:                      Nursing Alias: Homocysteine, Total                      Use:                      Limitations:                      Additional Info: <b>Sent to reference lab</b></p>	Homocysteine Total	<p>Reference Range: Refer to report                      Critical Values(Low):                      Critical Values(High):                      Causes For Rejection:</p>	<p>Specimen Type: Whole blood                      Containers: 6 mL Gold Top Tube, Gel + Activator; EDTA plasma preferred but serum ok.                      Minimum Volume: 4 mL                      Centrifugation:                      Storage:                      Transport:                      Collection Notes: Lavender top tube preferred, but serum is accepted.</p>	83090

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			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: Use: Limitations: Additional Info:	CYTO	Reference Range: Refer to report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Endocervical swab or biopsy; Biopsy of penile lesion Containers: Special specimen collection kit Minimum Volume: One swab or biopsy from site Centrifugation: Storage: Transport: Collection Notes: Requires special	



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			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: <b>Sent to reference lab</b>	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, IgM, IgA, kappa and lambda chains. Limitations: Additional Info: <b>Sent to reference lab</b>	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
<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	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

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>been in erythematosus, rheumatoid arthritis, IgA myeloma, cirrhosis, and acute hepatitis.                      Limitations:                      Additional Info: <b>Sent to reference lab</b></p>				
<p><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, Waldenstormâ€™s macroglobulinemia, chronic lymphoblastic leukemia, and protein-losing conditions. Increased levels can be seen in lupus erythematosus, rheumatoid arthritis, IgG myeloma, cirrhosis, acute hepatitis, pulmonary TB, and chronic infection.                      Limitations:                      Additional Info: <b>Sent to reference lab</b></p>	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
<p><b>IMMUNOGLOBULIN G, SUBCLASS 4</b>                      Synonyms: IgG Subclass 4                      Nursing Alias:                      Use:                      Limitations:                      Additional Info:</p>	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: Storage: Transport: Collection Notes:	82787
<p><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, Waldenstormâ€™s macroglobulinemia, cirrhosis, acute hepatitis, pulmonary TB, and chronic infection.                      Limitations:</p>	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

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Additional Info: <b>Sent to reference lab</b>				
<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>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:		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	Insulin Lvl	Reference Range: Refer to report Critical Values(Low):	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator	83525

## Brunswick Laboratory's Catalog of Tests

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: Frozen Transport: Frozen Collection Notes: Separate serum from cells promptly after collection,	
<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: See report-Age and sex specific Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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:	Lactic Acid	Reference Range: 0.5-2.2 mmol/L Critical Values(Low): NONE Critical Values(High):NONE	Specimen Type: Plasma Containers: Gray Top Tube, Sterile Sodium Floride ON ICE Minimum Volume: TUBE NEEDS TO BE	83605

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>Limitations: Additional Info:</p>		Causes For Rejection: TUBE NOT 1/2 FULL	<p>AT LEASE 1/2 FULL ON ICE Centrifugation: CENTRIFUGE 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</p>	
<p><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:</p>	LDH	<p>Reference Range: M/F &lt;16yrs: 0-300 IU/L; M: 0-225 IU/L; F: 0-214 IU/L Critical Values (Low): Critical Values (High): Causes For Rejection: Hemolysis</p>	<p>Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:</p>	83615
<p><b>LDH, BODY FLUID</b> Synonyms: Lactate Dehydrogenase, Fluid Nursing Alias: LDH, Fluid Use: Limitations: Additional Info: <b>Sent to reference lab</b></p>	BF LDH	<p>Reference Range: Refer to Report. Critical Values (Low): Critical Values (High): Causes For Rejection:</p>	<p>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)</p>	83615
<p><b>LEAD, BLOOD</b> Synonyms: Pb, Blood Nursing Alias: Lead (B) Use: Limitations:</p>	Lead Adult	<p>Reference Range: Refer to report Critical Values (Low): Critical Values (High): Causes For Rejection:</p>	<p>Specimen Type: Whole blood Containers: Dark blue top tube with EDTA Minimum Volume: 5 mL Centrifugation:</p>	83655

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Additional Info:			Storage: Transport: Collection Notes:	
<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: Collection Notes:	86713
<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: Refridgerate, specimens should be kept at 4 degrees Celcius and	87070

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			transported to the lab within 24 hours of collection. Transport: Collection Notes:	
<b>LEUKOCYTE ALKALINE PHOSPHATASE</b> Synonyms: LAPA Score; LAP Smear; LAPA Nursing Alias: Leukocyte ALK Phos Use: Limitations: Additional Info: <b>Sent to reference lab</b>	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
<b>LIPASE, FLUID</b> Synonyms: LIPASE, FLUID Nursing Alias: LIPASE, FLUID Use: Limitations: Additional Info: <b>Sent to reference lab</b>	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
<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:	Lip	Reference Range: 0-59 IU/L Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	83690

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Additional Info:				
<b>LIPID PROFILE</b> Synonyms: LIPID Nursing Alias: Lipid Profile Use: Limitations: Additional Info:	Lipid TR	Reference Range: See individual tests. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	80061
<b>LITHIUM, SERUM</b> Synonyms: Li, Blood; LiCO <sub>3</sub> ; 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:	Lithium	Reference Range: Therapeutic: 0.6-1.4 mmol/L Critical Values(Low): Critical Values(High):Toxic: > 2.0 mmol/L Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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 at any time.	80178
<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: <b>Sent to reference lab</b>	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:	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	86618



## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Additional Info:			CSF Centrifugation: Storage: Transport: Collection Notes:	
<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. 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.	86361
<b>MAGNESIUM, SERUM</b> Synonyms: Mg; MAG Nursing Alias: Magnesium, S Use: Limitations: Additional Info:	Mg	Reference Range: 1.6-2.6 mg/dL Critical Values(Low): <1.0 mg/dl Critical Values(High):>5.0 mg/dl Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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: 1.6-2.6 mg/dL Critical Values(Low): <1.0 mg/dl Critical Values(High):>8.0 mg/dL Postpartum: >6.0 mg/dL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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:	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	87207

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Limitations: Additional Info:			Minimum Volume: 6 slides, 3 thick and 3 thin from fingerstick, 7 mL whole blood EDTA anticoagulated Centrifugation: Storage: Transport: Collection Notes: Specimen: Fresh 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

## Brunswick Laboratory's Catalog of Tests

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 Chemistry Department. Refrigerate or keep on ice.No preservative required.	82043
<p><b>MONO TEST</b>                      Synonyms: Infectious Mononucleosis Screening Test;</p>	Mono	Reference Range: Nonreactive	Specimen Type: Serum Containers: 7 mL Red Top Tube, No	86308

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Monospot Nursing Alias: Monotest Use: Limitations: Additional Info:		Critical Values(Low): Critical Values(High): Causes For Rejection:	Additive Minimum Volume: 1 mL serum Centrifugation: Storage: Transport: Collection Notes:	
<b>MUMPS ANTIBODY SCREEN</b> Synonyms: Mumps, Viral and Soluble Antibody Titer; Mumps Virus Titer Nursing Alias: Mumps IGG Antibody Use: Limitations: Additional Info: <b>Sent to reference lab</b>	Mumps IgG Ab	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:	Mycos 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: <b>Sent to reference lab</b>	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
<b>N. GONORRHOEAE BY DNA AMP</b> Synonyms: GC, NELSSERIA GONORRHOEAE, GONORRHOEAE Nursing Alias: Use: Limitations: Additional Info: <b>Sent to reference lab</b>	Probe GC	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Urine; Discharge; Urethral discharge Containers: APTIMA swab, or Aptima urine. Minimum Volume: Centrifugation: Storage: Transport: Collection Notes:	87491
<b>NEEDLE ASPIRATION CYTOLOGY</b>	CYTO	Reference Range: Results	Specimen Type: Synovial fluid	88104

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>(NONPATHOLOGIST)</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:		interpreted by a pathologist. Critical Values(Low): Critical Values(High): Causes For Rejection:	Containers: Not Applicable Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes: Use manual requisition	88173 88305
<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	88172 88173 88305
<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
<b>OCCULT BLOOD</b> Synonyms: Blood, Occult, Stool; Hemoccult Â®, Stool; Stool for Blood, Guaiac Stool Nursing Alias: Occult Blood Use: Limitations: Additional Info:	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
<b>OLIGOCLONAL BANDING</b> Synonyms: CSF PROTEIN Nursing Alias: Use: Limitations: Additional Info:	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

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<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
<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:	82491

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			Transport: Collection Notes:	
<b>OXYCODONE, SCREEN AND CONFIRMATION</b> Synonyms: OXYCODONE URINE SCREEN AND CONFIRMATION 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: Random urine Containers: Clean Screw Cap Container Minimum Volume: 20 ML Centrifugation: Storage: Transport: ROOM TEMPERTURE. Collection Notes:	80101
<b>PACKED RED CELLS, TRANSFUSION</b> Synonyms: Packed Cells; Red Blood Cells, Human; Red Cell Concen-trate; Red Cells, Packed Nursing Alias: p9021 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. Limitations: Additional Info:	6401	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Pink Top Tube, No Additive Minimum Volume: 6 mL Centrifugation: Storage: Transport: Collection Notes:	p9021
<b>PAP SMEAR (VAGINAL/CERVICAL CYTOLOGY)</b> Synonyms: Cervical Smear, Genital Cytology, Conventional, Papanicolaou Smear Nursing Alias: Use: Limitations: Additional Info:	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	88164
<b>PARASITE ID</b> Synonyms: Gross Worm Identification Nursing Alias: Parasite Identification Use: Limitations: Additional Info: <b>Sent to reference lab</b>	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:	87177

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			Transport: Collection Notes:	
<b>PARATHYROID HORMONE, INTACT</b> Synonyms: Parathormone, Intact; PTH, Intact Nursing Alias: PTH, Intact Use: Limitations: Additional Info:	PTH Intact (BCH)	Reference Range: 15-65 pg/mL Critical Values(Low): Critical Values(High): Causes For Rejection: Whole blood, plasma other than EDTA, hemolysis.	Specimen Type: Plasma Containers: 4 mL Lavender Top Tube, EDTA Minimum Volume: 0.7 mL Centrifugation: Centrifuge promptly. Storage: Refrigerate Transport: Collection Notes:	83970, 82310
<b>PARTIAL THROMBOPLASTIN TIME</b> Synonyms: Activated Partial Thromboplastin Time; APTT; PTT Nursing Alias: APTT Use: Limitations: Additional Info:	APTT	Reference Range: normal range 22.5 – 35.0 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 m L. 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: <b>Sent to reference lab</b>	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):	Specimen Type: Fresh random stool not containing urine Containers: Stool container Minimum Volume: 1 gram Centrifugation: Storage: Transport: Keep refrigerated Collection Notes:	83986



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
		Causes For Rejection:		
<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: > 60 mcg/dL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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>	Phenyt	Reference Range:<90 days: 6-14 mcg/mL; >90 days- adult:10-20 mcg/mL Critical Values(Low): Critical Values(High):> 30 mcg/mL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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>		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:                      Additional Info: <b>Sent to reference lab</b></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: Transport: Collection Notes: Requisition must state source of fluid (e.g. pleural, peritoneal, pericardial, synovial, cyst)	84100

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p><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:</p>	PHOS	<p>Reference Range: See report-Age and sex specific  Critical Values(Low):  Critical Values(High):  Causes For Rejection:</p>	<p>Specimen Type: Blood  Containers: 6 mL Green Li Heparin  Minimum Volume: 6 mL  Centrifugation: Centrifuge promptly.  Storage:  Transport:  Collection Notes:</p>	84100
<p><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: <b>Sent to reference lab</b></p>	U24 Phos TR	<p>Reference Range: 400-1300 mg/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>	84105, 81050
<p><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:</p>	PIN	<p>Reference Range: No Enterobius vermicularis  Critical Values(Low):  Critical Values(High):  Causes For Rejection:</p>	<p>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 region.; Scotch Tape slide must be submitted in a covered container.  Caution: Pinworm eggs are very infectious.</p>	87172
<p><b>PLATELET COUNT</b>  Synonyms: Platelets; Thrombocyte Count; PLT  Nursing Alias: Platelet Count  Use:  Limitations:  Additional Info:</p>	Plt Ct	<p>Reference Range: 150-400 K/L  Critical Values(Low): &lt;40 K/L;  Critical Values(High):&gt;900 K/L</p>	<p>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</p>	85595

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
		Causes For Rejection: Clotted specimen	venipuncture specimen;400 ul for capillary Centrifugation: None Storage: Transport: Collection Notes: If collecting capillary, do not "milk" site	
<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 Pink Top Tube , No Additive (x2); 7 mL Red top tube (x2) Stat tube Minimum Volume: 15 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>		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: 4 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</p>	PFMIC	Reference Range: Critical Values(Low): Critical Values(High):	Specimen Type: Fluid Containers: Aspirate collection container Minimum Volume: 8 mL fluid	87116, 87206, 87070, 87205, 87220, 87102

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Nursing Alias: Pleural Fluid Microbiology Use: Limitations: Additional Info:		Causes For Rejection:	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>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: Additional Info:	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: Transport: Collection Notes: Use manual requisition	88312

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p><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:</p>	MISS	<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 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.</p>	84110
<p><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:</p>	U24 Porphyrins	<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 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.</p>	84119
<p><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 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>	K	<p>Reference Range: 3.5-5.2 mmol/L  Critical Values(Low): &lt;6Mon: &lt;3.0mmol/L; &gt;6Mon: &lt;2.5 mmol/L  Critical Values(High):&lt;6Mon: &gt;6.0 mmol/L; &gt;6 Mon: &gt;6.5 mmol/L  Causes For Rejection: Hemolysis</p>	<p>Specimen Type: Blood  Containers: 6 mL Green Li Heparin  Minimum Volume: 6 mL  Centrifugation: Centrifuge promptly.  Storage:  Transport:  Collection Notes:</p>	84132
<p><b>POTASSIUM, URINE</b>  Synonyms: K, Urine; Urine K</p>	U K (RANDOM URINE), U24 K TR (24-HOUR)	<p>Reference Range: 25-125 mmol/24 hours</p>	<p>Specimen Type: 24 hour urine  Containers: 24 hour Urine Container</p>	84133, add CPT code 81050 to

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>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>	URINE)	<p>Critical Values(Low):                      Critical Values(High):                      Causes For Rejection:</p>	<p>Minimum Volume: Entire collection                      Centrifugation:                      Storage: During collection, refrigerate or keep on ice.                      Transport:                      Collection Notes: Obtain plastic urine container from Chemistry Department.</p>	test code 5726
<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>	Primidone Lvl	<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>	80188
<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 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:</p>	Proc/NAPA Lvl	<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:                      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.</p>	80192
<p><b>PROLACTIN</b>                      Synonyms:                      Nursing Alias: Prolactin                      Use: To aid in the diagnosis of prolactinomas, amenorrhea, galactorrhea, or infertility and to monitor</p>	Prolactin Level	<p>Reference Range: Female:                      3.0 - 18.6 ng/mL; Male: 3.7 - 17.9 ng/mL                      Critical Values(Low):                      Critical Values(High):</p>	<p>Specimen Type: Blood                      Containers: 6 mL Gold Top Tube, Gel + Activator                      Minimum Volume: 6 mL                      Centrifugation: Centrifuge promptly.</p>	84146

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
surgery, chemotherapy, and radiation treatments of prolactin-producing tumors. Limitations: Additional Info:		Causes For Rejection:	Storage: Transport: Collection Notes:	
<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> Synonyms: ELECTROPHORESIS, URINE PROTEIN Nursing Alias: ELECTROPHORESIS, URINE PROTEIN Use: Limitations: Additional Info: <b>Sent to reference lab</b>	U Elec	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:	84166, 84156
<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: <b>Sent to reference lab</b>	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

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<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 TUBE	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> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	CSF TP	Reference Range: See report- Age and sex specific Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: CSF 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: 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.	U 24 TP TR	Reference Range: 30-150 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



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Limitations: Additional Info:				
<b>PROTEIN, RANDOM (URINE)</b> Synonyms: PROTEIN, URINE, RANDOM Nursing Alias: Use: Limitations: Additional Info:	U TP	Reference Range: 0-15.0 Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Urine Containers: Sterile container Minimum Volume: 10mL Centrifugation: Storage: Transport: Collection Notes:	84155
<b>PROTEIN, SYNOVIAL FLUID</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	BF TP (specify synovial fluid)	Reference Range: 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: See report-Age and sex specific Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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: 11.5-14.7 seconds Critical Values(Low): None Critical Values(High):PT >43.0 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: 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

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p><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:                      Additional Info: <b>Sent to reference lab</b></p>	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: Transport: Collection Notes:	84153
<p><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 fo men who have attained age 50.                      Limitations:                      Additional Info: <b>Sent to reference lab</b></p>	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
<p><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 hypoten-sion, QRS widening, and heart block.                      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: 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
<p><b>REDUCING SUBSTANCES</b>                      Synonyms: URINE, REDUCING, SUBSTANCES                      Nursing Alias:                      Use:                      Limitations:                      Additional Info:</p>	Clinitest	Reference Range: NEGATIVE Critical Values(Low): N/A Critical Values(High):POSITIVE Causes For Rejection:	Specimen Type: Urine Containers: Sterile container Minimum Volume: 2mL Centrifugation: Storage: Transport: Collection Notes:	81002
<p><b>RENAL FUNCTION PANEL</b>                      Synonyms: RENAL                      Nursing Alias: Renal Function Panel                      Use:                      Limitations:                      Additional Info:</p>	Renal SP	Reference Range: See individual tests Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Storage: Centrifuge promptly. Transport: Collection Notes:	80069

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<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
<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: 0.6-1.8% 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:	85045

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			Transport: Collection Notes:	
<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 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. Limitations: Additional Info:		Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Pink Top Tube, No Additive Stat tube Minimum Volume: 6 mL from mother 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.	
<b>ROTAVIRUS ANTIGEN DETECTION</b> Synonyms: Rotavirus Antigen Screen; Rotavirus EIA Nursing Alias: Rotovirus AG Detect Use: Limitations: Additional Info:	MISS	Reference Range: Negative Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Stool Containers: Stool container Minimum Volume: 5 grams solid or 3 mL liquid stool Centrifugation: Storage: Transport: Collection Notes:	87425
<b>RPR</b> Synonyms: Rapid Plasma Reagin Test; Serologic Test for Syphilis; STS; Syphilis Screening Test Nursing Alias: RPR Use:	RPR	Reference Range: Non-reactive 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:	86592, 86593 if positive, 86781 for required confirmatory test if positive

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Limitations: Additional Info:			Storage: Transport: Collection Notes:	
<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: <b>Sent to reference lab</b>	Rubella IgG	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
<b>RUBEOLA ANTIBODY SCREEN</b> Synonyms: Measles Immune Status; Measles, Titer, Rubeola Nursing Alias: Rubeola IGG Antibody Use: Limitations: Additional Info: <b>Sent to reference lab</b>	Rubeola IgG	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
<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 overdosage 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:	SAL	Reference Range: Therapeutic: 30-250 mcg/mL Critical Values(Low): Critical Values(High) Lethal: >300 mcg/mL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	80196
<b>SATURATION</b> Synonyms: %T Nursing Alias: % Saturation Profile Use: Limitations: Additional Info:	SAT	Reference Range: See individual tests Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Storage: Transport: Collection Notes:	83540, 84466
<b>SCHLICHTER TEST</b> Synonyms: Antibacterial Activity, Serum; Bacterial	Call Microbiology	Reference Range: Critical Values(Low):	Specimen Type: Containers: 7 mL Red Top Tube, No	87197

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
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:		Critical Values(High): Causes For Rejection:	Additive Minimum Volume: 10 mL blood each draw Centrifugation: Storage: Transport: Collection Notes:	
<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:	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
<b>SEDIMENTATION RATE</b> Synonyms: Erythrocyte Sedimentation Rate; ESR; Sed Rate; SR Nursing Alias: Sed Rate Use: Limitations: Additional Info:	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
<b>SEMEN ANALYSIS</b> Synonyms: Sperm Examination Nursing Alias: Semen Analysis Use: Limitations: Additional Info:	Semen	Reference Range: Volume: 1.5-5.0 mL; pH: 7.0-8.5, sperm count; 60-150 million/mL, motility: at least 60% motile, morphology: at least 70% normal forms, liquifaction complete within 1 hour. 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: <b>Schedule test with ONE CALL</b> Collection Notes: Seminal fluid should arrive in laboratory within 30 minutes of collection	89320
<b>SIROLIMUS</b> Synonyms: RAPAMYCIN Nursing Alias: Use:	Sirolimus Rapamune Blood	Reference Range: Refer to hard copy of report. Critical Values(Low): Critical Values(High):	Specimen Type: Plasma Containers: 4 ml Lavender Top Minimum Volume: 1.0ml Centrifugation:	85660

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Limitations: Additional Info:		Causes For Rejection:	Storage: Transport: Collection Notes:	
<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:	80299
<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 SLE. Anti-RNP is found with a variety of rheumatoid diseases with high titers associated with mixed connective tissue diseases. Limitations: Additional Info:	SMRNP	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, 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:	86235
<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: 134-144 mmol/L Critical Values(Low) <6 Mon: <130 mmol/L, Critical Values(High) <6 Mon :> 150 mmol/L, Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	87205
<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	U NA (RANDOM), U24 NA TR (24-HOUR)	Reference Range: 40-220 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.	84295

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>preferred. A random specimen will be accepted; however, no normal values have been established for random specimens.                      Limitations:                      Additional Info:</p>			Transport: Collection Notes: Obtain plastic urine container from the Chemistry Department.	
<p><b>SPECIFIC GRAVITY, BODY FLUIDS</b>                      Synonyms:                      Nursing Alias: Specific Gravity, Fluid Use:                      Limitations:                      Additional Info:</p>	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:	84300, add CPT code 81050 to test code 5778
<p><b>SPERM COUNT</b>                      Synonyms: Sperm Count; Seminal Fluid Count                      Nursing Alias: Sperm Count                      Use:                      Limitations:                      Additional Info: <b>Sent to reference lab</b></p>	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.	81003
<p><b>SPINAL FLUID CELL COUNT</b>                      Synonyms: CSF cell count                      Nursing Alias: CSF Cell Count                      Use:                      Limitations:                      Additional Info:</p>	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): Nucleated cells >10 cells/mL 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	89310
<p><b>SPUTUM FOR EOSINOPHILS</b>                      Synonyms: SPUTUM FOR EOSINOPHILS                      Nursing Alias: SPUTUM FOR EOSINOPHILS                      Use:                      Limitations:                      Additional Info:</p>	EOSPU	Reference Range: NO EOSINOPHILS NOTED Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Sputum Containers: Sterile container Minimum Volume: 1.0mL Centrifugation: Storage: REFRIGERATE SPECIMEN IF TRANSPORT TO THE LAB IS DELAYED Transport: ROOM TEMPERATURE Collection Notes:	89050



## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>STOOL FOR WBCs</b> Synonyms: Fecal Leukocytes Nursing Alias: Stool for WBCs Use: Limitations: Additional Info:	FWBC	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Stool Containers: Stool container Minimum Volume: 1-2 grams Centrifugation: Storage: Transport: Collection Notes: Requisition must state date and time of collection.	87205
<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:	C Grp A	Reference Range: Direct strep test negative; no beta strep Critical Values(Low): Critical Values(High): Causes For Rejection:	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.	87081,87430
<b>STRIATIONAL ANTIBODIES</b> Synonyms: Antistriated Muscle Antibodies Nursing Alias: Use: Limitations: Additional Info:	MISS	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection: Hemolyzed or lipemic serum.	Specimen Type: Serum Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 0.4 mL Centrifugation: Storage: Transport: Room Temperature Collection Notes:	86255
<b>SWEAT, CHLORIDE</b> Synonyms: Chloride Iontophoresis; Cystic Fibrosis Sweat 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:	Sweat Cl TR	Reference Range: <40 mmol/L = Normal; 40-60 mmol/L = Equivocal Range; >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):	Specimen Type: Not applicable Containers: Not Applicable Minimum Volume: Not Applicable Centrifugation: Storage: Transport: Collection Notes:	89360

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
		Causes For Rejection:		
<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:		Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	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.	89051, 89060, 84155, 84560, 87070, 87205
<b>SYNOVIAL FLUID PROFILE II</b> Synonyms: Joint Fluid Analysis II Nursing Alias: Synovial Fluid Profile II Use: Limitations: Additional Info:		Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	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: Collection Notes: Specimen must be received within one hour of collection.	89051, 89060, 84155, 84560
<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: <b>Sent to reference lab</b>	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

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<b>T4, FREE</b> Synonyms: FrT4 Nursing Alias: Free T4 Use: Limitations: Additional Info:	Free T4	Reference Range: See report- Age and sex specific Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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
<b>TESTOSTERONE, FREE</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info: <b>Sent to reference lab</b>	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: <b>Sent to reference lab</b>	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: <b>Sent to reference lab</b>	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>	Testost Free	Reference Range:	Specimen Type: Serum	84402

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Synonyms: Nursing Alias: Use: Limitations: Additional Info: <b>Sent to reference lab</b>		Critical Values(Low): Critical Values(High): Causes For Rejection:	Containers: 6 mL Gold Top Tube, Gel + Activator Minimum Volume: 0.5 ml Centrifugation: Storage: Transport: Collection Notes:	
<b>TETANUS/DIPHTHERIA Ab</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: 2 ml Centrifugation: Storage: Transport: Collection Notes:	86317 x 2
<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 <1 month: 0.0-10.0 mcg/mL Critical Values(Low): Critical Values(High):> 20 mcg/mL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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:	85670

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			Collection Notes:	
<b>THYROGLOBULIN ANTIBODY</b> Synonyms: Nursing Alias: Thyroglobulin AB Use: Limitations: Additional Info:	Thyro 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:	86800
<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: Use: Limitations: Additional Info:	Tissue TG IgG	Reference Range: Refer to hard copy of report. Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Serum Containers: 7 mL Red Top Tube, No Additive Minimum Volume: 1.0ml Centrifugation: Storage:	83516

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			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:	Gross only/Tissue LVL I 88300 LVLII 88302 LVLIII 88304 LVLIV 88305 LVLV 88307 LVLVI 88309 Frozen 88331 Add'l 88332 Decal 88311
<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: 0-1.5 mcg/ml; peak: 6-10 mcg/ml; Random: no range established Critical Values(Low): Critical Values(High):Trough: > 2 ug/mL; peak > 12 mcg/mL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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 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	80200

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			the specimen at the time specified by the physician.	
<b>TISSUE, SURG-SPECIAL STAINS FOR ORGANISM</b> <b>TISSUE, SURG-SPECIAL STAINS FOR ORGANISM(2)</b> <b>TISSUE, SURG-SPECIAL STAINS IHC ROUTINE</b> <b>TISSUE , SURG-SPECIAL STAINS IHC ER/PR</b> <b>TISSUE, SURG-SPECIAL STAINS TOUCH PREP</b> Synonyms: Nursing Alias: Use: Limitations: Additional Info:	AP AP AP AP AP	Interpretation by Pathologist Interpretation by Pathologist Interpretation by Pathologist Interpretation by Pathologist	Specimen: Tissue/Biopsy Containers: Minimum Volume: Centrifugation: Storage: Transport: Collection notes:	88312 88313 88342 88360 88333
<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: Collection Notes:	86777
<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	Transferrin	Reference Range: 200-370 mg/dL Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport:	84466

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>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.</p> <p>Limitations: Additional Info:</p>			Collection Notes:	
<p><b>TRANSFUSION REACTION WORK-UP</b> Synonyms: Adverse Transfusion Effects; Blood Reaction; Reaction Workup Nursing Alias: Use: Limitations: Additional Info:</p>		<p>Reference Range: No evidence of hemolytic incompatibility Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>Specimen Type: Blood Containers: 7 mL Pink 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.</p>	86078
<p><b>TRIGLYCERIDES</b> Synonyms: Trig Nursing Alias: Triglycerides,S Use: Limitations: Additional Info:</p>	TRIG	<p>Reference Range: 0-149 mg/dL Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:</p>	84478
<p><b>TRIGLYCERIDES, FLUID</b> Synonyms: TRIGLYCERIDES, FLUID Nursing Alias: TRIGLYCERIDES, FLUID Use: Limitations: Additional Info: <b>Sent to reference lab</b></p>	BF Trig	<p>Reference Range: NONE HAVE BEEN ESTABLISHED Critical Values(Low): N/A Critical Values(High):N/A Causes For Rejection:</p>	<p>Specimen Type: Any fresh body fluid Containers: Sterile container Minimum Volume: 1mL Centrifugation: Storage: Transport: Collection Notes: STATE SOURCE OF FLUID ON REQUISITION</p>	84478
<p><b>TROPONIN T</b> Synonyms: Nursing Alias: Use: Limitations:</p>	Trop T	<p>Reference Range: &lt;0.01 ng/mL. Result must be evaluated based on patient's clinical status; &gt;=0.01 ng/mL = Consistent with myocardial</p>	<p>Specimen Type: Blood Containers: 6 ml Green Li Heparin or Yellow SST (serum). Minimum Volume: 4 mL Centrifugation: Centrifuge promptly.</p>	84484



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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Additional Info:		injury. Critical Values(Low): Critical Values(High): Causes For Rejection:	Storage: Transport: Collection Notes:	
<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: See report- Age and sex specific Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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: See report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84443, 84439 if TSH is abnormal
<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:	5664	Reference Range: Critical Values(Low): Critical Values(High): Positive Antibody screen/presence of Antibody- This will delay availability of blood to any patient who's need is immediate. Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Pink Top Tube, No Additive Stat tube Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:	86920
<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	5665	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Pink Top Tube, No Additive Stat tube Minimum Volume: 10 mL Centrifugation:	86900

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>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.</p> <p>Limitations: Additional Info:</p>			<p>Storage: Transport: Collection Notes:</p>	
<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: <b>Sent to reference lab</b></p>	URCL	<p>Reference Range: 41-68 mL/min Clearance is corrected for patients body surface Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>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 Transport: Collection Notes: Obtain plastic urine container from the Chemistry Department</p>	84545, 81050
<p><b>UREA NITROGEN, BODY FLUID</b> Synonyms: Nursing Alias: BUN, Fluid Use: Limitations: Additional Info: <b>Sent to reference lab</b></p>	BF BUN	<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>	84520
<p><b>UREA, RANDOM (URINE)</b> Synonyms: UREA, URINE, RANDOM Nursing Alias: Use: Limitations: Additional Info: <b>Sent to reference lab</b></p>	U UN R	<p>Reference Range: N/A Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>Specimen Type: Urine Containers: Sterile container Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:</p>	84540
<p><b>URIC ACID, FLUID</b> Synonyms: Nursing Alias: Uric Acid, Fluid Use: Limitations: Additional Info: <b>Sent to reference lab</b></p>	BF Uric Acid	<p>Reference Range: None has 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:</p>	84560

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			Collection Notes: Specify source of fluid on requisition (e.g. pleural, peritoneal, pericardial, synovial, cyst).	
<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 substances, and some inherited diseases. Decreased levels may be found in some inherited metabolic disorders. Limitations: Additional Info:	Uric	Reference Range: See report Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin Minimum Volume: 6 mL Centrifugation: Centrifuge promptly. Storage: Transport: Collection Notes:	84550
<b>URIC ACID, URINE</b> Synonyms: Nursing Alias: Uric Acid, Urine,24 Hour Use: Limitations: Additional Info: <b>Sent to reference lab</b>	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: <b>Send to lab within 30 minutes of collection.</b>	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: <b>SHOULD BE RECEIVED IN LABORATORY WITHIN 30 MINS. OF COLLECTION</b>	89050

## Brunswick Laboratory's Catalog of Tests

Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p><b>VALPROIC ACID</b>                      Synonyms: Depakene; VALP                      Nursing Alias: Valproic Acid, S                      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>	Valporic	Reference Range: 50-100 mcg/mL Critical Values(Low): Critical Values(High):>150 mcg/mL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Green Li Heparin 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.	80164
<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>	Vanco Level (RANDOM), Vanco Peak (PEAK), Vanco Trough (TROUGH)	Reference Range: Trough 10-15 mcg/dL; Peak 25-40 mcg/dL; Random; no range established Critical Values(Low): Critical Values(High): Trough: > 25 mcg/dL; Peak > 60 mcg/dL Causes For Rejection:	Specimen Type: Blood Containers: 6 mL Gold Top Tube, Gel + Activator ( <b>Serum only!!</b> ) 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). 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	80202

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
			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: <b>Sent to reference lab</b>	Varic IgG	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 Microbiology) - for swabs or vesicular fluid material; sterile screw cap tube or container - for fluids, feces, nasal washings, urines or biopsy (without preservative)	87252
<b>VISCOSITY, SERUM</b> Synonyms: Nursing Alias: Use: Limitations:	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:	004861

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Additional Info:			Storage: Transport: Collection Notes:	
<b>VITAMIN B12</b> Synonyms: B12 Nursing Alias: Vitamin B12 Use: Limitations: Additional Info: <b>Sent to reference lab</b>	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 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: Transport: Collection Notes:	82180
<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.		Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Pink Top Tube, No Additive Stat tube Minimum Volume: 10 mL Centrifugation: Storage: Transport: Collection Notes:	p9022

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
Limitations: Additional Info:				
<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 specimens, cotton-tipped applicator in tube containing 1 mL sterile saline.	87210
<b>WHITE BLOOD CELL COUNT</b> Synonyms: WBC Nursing Alias: WBC Use: Limitations: Additional Info:	WBC	Reference Range: See report- Age and sex specific 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: See report- Age and sex specific 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 not immediately available. Colloid or crystalloid solutions followed by red blood cells can be used instead in cases of acute blood loss. In	6401	Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:	Specimen Type: Blood Containers: 7 mL Pink Top Tube, No Additive Stat tube Minimum Volume: 10 mL Centrifugation:	p9010

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Test Name	Order Code	Reference Ranges	Specimen Type	CPT Code
<p>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 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.</p> <p>Limitations: Additional Info:</p>			<p>Storage: Transport: Collection Notes:</p>	
<p><b>ZINC, PLASMA or SERUM</b> Synonyms: Zn Nursing Alias: Use: Limitations: Additional Info:</p>	Zinc Lvl	<p>Reference Range: Critical Values(Low): Critical Values(High): Causes For Rejection:</p>	<p>Specimen Type: Plasma Containers: Dark blue top tube with EDTA Red Top (No SST) Minimum Volume: 2 mL Centrifugation: Storage: Transport: Collection Notes:</p>	84630