

Greensboro
PATHOLOGY
ASSOCIATES



An Aurora Diagnostics Partner

DIRECTORY OF SERVICES
2011 - 2012

GREENSBORO PATHOLOGY - DIRECTORY OF SERVICES

TEST NAME	SPECIMEN	VOLUME	COLLECTION DEVICE	STORAGE	STABILITY	SPECIAL INSTRUCTIONS	CPT CODES
ABO Grouping and Rho(D) Typing	Whole Blood	4ml/ 1ml min	Lavender-top (EDTA) tube	Specimens should be tested as soon as possible or within 72 hours of collection. Samples that cannot be tested immediately should be stored at 2°C to 8°C. Do not freeze red cells.		If a CBC and/or an antibody screening test is ordered with this test, please submit a separate 4 mL specimen for each test.ABO blood grouping and Rh typing	86900; 86901
Alanine Aminotransferase (ALT/ SGPT)	Serum	1ml/.5ml min	Red-top tube or gel-barrier tube	Maintain specimen at room temperature.		Separate serum from cells within 45 minutes of collection.	84460
Albumin, Serum	Serum	1ml/.5ml min	Red-top tube or gel-barrier tube	Maintain specimen at room temperature.		Separate serum from cells within 45 minutes of collection.	82040
Alkaline Phosphatase, Serum	Serum	2ml/.5min	Red-top tube or gel-barrier tube	Maintain specimen at room temperature.		Values obtained with different assay methods should not be used interchangeably in serial testing. It is recommended that only one assay method be used consistently to monitor each patient's course of therapy. This procedure does not provide serial monitoring; it is intended for one-time use only. If serial monitoring is required, please use the serial monitoring to order.Separate serum from cells within 45 minutes of collection. If a red-top tube is used, transfer separated serum to a plastic transport tube.	84075
Amylase	Serum	0.5 mL	SST		RT: 7 days, Refrigerated: 7 days, Frozen: 30 days	Gross hemolysis is unacceptable	82150
Antibody Screen	Whole Blood	3.5 mL	EDTA Lavender or Pink		RT: 24 hours, Refrigerated: 7 days	A separate lavender-top tube must be submitted for all Blood Bank Testing	86850
Aspartate Aminotransferase (AST/ SGOT)	Serum	1ml/.5ml min	Red-top tube or gel-barrier tube	Maintain specimen at room temperature.		Separate serum from cells within 45 minutes of collection.	84450
B Natriuretic Peptide	Plasma	0.5 mL	EDTA Lavender		RT: 8 hours, Refrigerated: 24 hours, Frozen: 30 days	Gross hemolysis and lipemia are unacceptable	83880
Beta HCG	Serum	0.5 mL	SST, Red Top no additive	RT: 7 days, Refrigerated: 7 days, Frozen: 60 days			84702
Bilirubin, Direct	Serum	1ml/.5ml min	Red-top tube or gel-barrier tube	Refrigerate		Separate serum from cells within 45 minutes of collection.	82248



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Bilirubin, Total	Serum	1ml/.5ml min	Red-top tube or gel-barrier tube	Refrigerate		Separate serum from cells within 45 minutes of collection. Morning, fasting sample is desirable, since some diurnal variation exists (which may reflect postural changes).	82247
Breast Biopsy	Needle biopsy or mass	0.1 cm x 0.1 cm x 0.1 cm		Above freezing in 10% Neutral Buffered Formalin		"Label specimen container with patient's first and last name, and body site/source. Place container in a specimen bag with a biohazard label. Write the time the specimen was placed into formalin on the requisition. Include pertinent clinical information, i.e., previous malignancy, radiation therapy, drugs, etc. on the requisition and place in the side pocket of the specimen bag. The entire specimen must be submitted in ten percent neutral buffered formalin solution. Formalin containers must have a formalin hazard label on the outside of the container. The amount of formalin should be fifteen to twenty times the volume of the specimen. If a mass is present, do not cut into or remove any of the tumor.	88305
Breast Secretions (Nipple Discharge)	Fluid discharge	N/A	2 slide smears	Room Temperature	3 weeks	<ol style="list-style-type: none"> 1. Label slides with patient's name, date of birth and source site on the frosted end in pencil. 2. Express a small amount of fluid from the nipple. 3. Touch the slide to the nipple. 4. Place the other slide on top of the first slide with specimen. Spread the glass slides apart from each other to evenly distribute cells. Immediately fix one smear with spray fixative marked (F) on the slide label and the other let air dry marked (AD). Two or more slides may be made. 5. Place slides in appropriate cardboard/paper holder and secure with tape. 6. Place in a biohazard bag along with the completed requisition in the side pocket of the specimen bag. 	88104
Bronchial Brushing	Bronchial cells	N/A	Bronchial brush, glass slide, & Cytolyt fluid (or saline)	Refrigerated	3 days	<ol style="list-style-type: none"> 1. Label slides with patient's name, date of birth and source site on the frosted end in pencil. 2. Roll brush gently over 2/3 of the slide and immediately preserve with spray fixative marked (F) on the slide label. 3. The bronchial brush may be submitted in Cytolyt preservative fluid. For microbiology studies, place the brush in sterile saline. 4. Place slides in appropriate cardboard/paper holder and secure with tape. 5. Place in a biohazard bag along with the completed requisition in the side pocket of the specimen bag. 	88112

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Bronchial Washing	Bronchial cells	5mL min.	Cytolyt preservative fluid (or saline)	Refrigerated	3 days	<ol style="list-style-type: none"> 1. Label container with patient's name, date of birth and source site. 2. Collect specimen pre or post bronchoscopy. 3. Mix specimen with equal volume of 95% ethyl alcohol or Cytolyt preservative fluid. For microbiology studies, keep the specimen fresh and refrigerated. 4. Place in a biohazard bag along with the completed requisition in the side pocket of the specimen bag. 	88112
BUN	Serum	0.5 mL	SST, Red Top no additive	RT: 7 days, Refrigerated: 5 days, Frozen: 28 days			84520
C. Difficile Toxin	Stool	1 g	Sterile Container, leak-proof		RT: 4 hours, Refrigerated 72 hours, Frozen: 30 days	Collect fresh stool in sterile leak proof container. No medium or preservatives	87324
CA 125	Serum	0.5 mL	SST, Red Top no additive		RT: 24 hours, Refrigerated: 7 days, Frozen: 30 days	Grossly hemolyzed samples are unacceptable.	86304
Calcium, Serum	Serum	1ml/.5ml min	Red-top tube or gel-barrier tube	Maintain specimen at room temperature.		Separate serum from cells within 45 minutes of collection.	82310
CBC w/Plt and Diff	Whole Blood	1mL	EDTA Lavender	RT: 24 hours, Refrigerated: 72 hours, Frozen: N/A			85025
CBC w/Plt no Diff	Whole Blood	1mL	EDTA Lavender		RT: 24 hours, Refrigerated: 72 hours, Frozen: N/A		85027
CEA	Serum	0.5 mL	SST, Red Top no additive		RT: 24 hours, Refrigerated: 14 days, Frozen: 30 days		82378
Cerebrospinal Fluid (Cytology)	CS Fluid	0.5mL	Sterile tube or Cytolyt fluid	Refrigerated	2 days	<ol style="list-style-type: none"> 1. Cerebrospinal fluid should be refrigerated immediately and transported refrigerated. If ordering cytology ONLY, cerebrospinal fluid can be placed in Cytolyt preservative and submitted to the laboratory. 2. Place in a biohazard bag along with the completed requisition in the side pocket of the specimen bag. Be certain to include pertinent clinical information, i.e. previous malignancy, CJD, radiation therapy, drugs, etc. 	88112
Chlamydia Trachomatis	Cervical sampling	2ml	CytoBrush & Spatula or Broom in ThinPrep or SurePath Liquid Based Collection Vial	Room Temperature	3 weeks	ThinPrep or SurePath Liquid Based Pap Test: One specimen will be used to provide samples for both the Pap test and/or the CT test.	87491



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Chloride, Serum	Serum	1ml/.5ml min	Red-top tube or gel-barrier tube	Maintain specimen at room temperature.		Separate serum from cells within 45 minutes of collection.	82435
Cholesterol, Total	Serum	1ml/.5ml min	Red-top tube or gel-barrier tube	Maintain specimen at room temperature.		Separate serum from cells within 45 minutes of collection.	82465
Chromosome Analysis - Fetal Tissue		1 cm fetal skin and/or internal structures	Submit fresh - see special instructions	See special instructions		Label specimen container with patient's first and last name, and body site/source. Place container in a specimen bag with a biohazard label. Place the requisition in the side pocket of the specimen bag. 1. Aseptically excise 1 cm of fetal skin and/or internal structures. 2. Place specimen in sterile saline or culture media and refrigerate. 3. Submit specimen on wet ice.	
CK/CPK	Serum	0.5 mL	SST, Red Top no additive		RT: 72 hours, Refrigerated: 7 days, Frozen: 30 days		82550
Colonic/Gastric Brushing	Gastric cells	N/A	Brush, glass slide, & Cytolyt fluid	Room Temperature	3 weeks	1. Label slides with patient's name, date of birth and source site on the frosted end in pencil. 2. Roll brush gently over 2/3 of the slide and immediately preserve with spray fixative marked (F) on the slide label. 3. The brush may be submitted in Cytolyt preservative fluid. 4. Place slides in appropriate cardboard/paper holder and secure with tape. 5. Place in a biohazard bag along with the completed requisition in the side pocket of the specimen bag.	88112
Colonic/Gastric Washing	Gastric cells	5mL min.	Cytolyt preservative fluid	Room Temperature	3 weeks	1. Label container with patient's name, date of birth and source site. 2. The specimen should be collected by vigorous washing of the mucosal surface following intubation. 3. Mix specimen with equal volume of 95% ethyl alcohol or Cytolyt preservative fluid. 4. Place in a biohazard bag along with the completed requisition in the side pocket of the specimen bag.	88112
Complete Blood Count (CBC) Without Differential	Whole Blood	3 mL (dependent upon whether cells are badly distorted by excess anticoagulant)	Lavender-top (EDTA) tube	Maintain specimen at room temperature up to 24 hours. Refrigerate up to 48 hours.		Hematocrit; hemoglobin; MCH; MCHC; MCV; RDW; red blood cell count (RBC); platelet count; white blood cell count (WBC)	85027



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Conventional Pap Smear	Cervical sampling	N/A	CytoBrush & Spatula on 1 slide smear	Room Temperature	3 weeks	<ol style="list-style-type: none"> 1. Label slide with patient's first and last name in pencil. 2. Do not utilize a lubricant on the speculum. 3. Remove the mucus plug with a cotton swab. Discard the cotton swab. 4. Ectocervix Sample – Insert spatula into the cervical os and rotate one full turn (360 degrees). Smear thinly on ½ of the slide and fix immediately before air-drying occurs. You may cover unused portion of slide with paper toweling to prevent fixative from getting onto that surface. 5. Endocervix Sample – Insert cytobrush, (recommended to obtain Endocervical cells) into Endocervix. Gently rotate ½ turn (180 degrees). Using moderate pressure, roll on remaining ½ of the slide (make certain to complete 360 degree turn) and fix immediately. Spray fixative onto the slide two to four sprays, 10 inches from the slide. Failure to fix immediately could result in the Pap smear being unsatisfactory for evaluation. 6. Vaginal Pool – A lateral vaginal pool sample is recommended for a Maturation Index or if endometrial cancer is suspected and/or for women 40 years and older. Collect vaginal pool mucus using a spatula; place it on a second slide. Fix immediately with spray fixative. 7. Place the slides inside slide protector and into a biohazard specimen bag for transport. Place the completed requisition in the side pocket of the specimen bag. 	88164
Cortisol A.M.	Serum	0.5 mL	SST, Red Top no additive		RT: 48 hours, Refrigerated: 7 days, Frozen: 30 days	Collect specimen between 7:00-9:00 am. Indicate time on requisition.	82533
Cortisol P.M.	Serum	0.5 mL	SST, Red Top no additive		RT: 48 hours, Refrigerated: 7 days, Frozen: 30 days	Collect specimen between 3:00-5:00pm. Indicate time on requisition.	82533
Cortisol Total	Serum	0.5 mL	SST, Red Top no additive		RT: 48 hours, Refrigerated: 7 days, Frozen: 30 days	Indicate time of day specimen was collected.	82533
C-Reactive Protein	Serum	0.5 mL	SST, Red Top no additive		RT: 3 days, Refrigerated: 3 days, Frozen: 30 days	A fasting specimen is preferred, but not required	86140
C-Reactive Protein HS	Serum	0.5 mL	SST, Red Top no additive		RT: 7 days, Refrigerated: 7 days, Frozen: 30 days	Overnight fasting is preferred, but not required	86141
Creatinine Clearance	Urine and Serum	0.5 ml for both	24-hour no preservative urine container and 1 SST		RT: 7 days, Refrigerated: 7 days, Frozen: 30 days	A serum creatinine level must be collected within 24 hours of urine collection	82575



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Creatinine, Serum	Serum	1ml/.5ml min	Red-top tube or gel-barrier tube	Maintain specimen at room temperature.		Separate serum from cells within 45 minutes of collection. Label specimen as serum.	82565
Crystal Identification	Body Fluid	1 mL	Sterile Container		RT: 48 hours	Collect fluid in sterile container and as needed aliquot into Lavender/Red Top	89060
CSF Analysis	Cerebral Spinal Fluid	1.5 mL	Sterile Tube(s)		RT: Acceptable, Refrigerated: Acceptable, Frozen: N/A	Deliver sterile collection tube(s) stat to the lab.	82945, 83916, 86592, 89051
Culture, Aerobic	Pus or Tissue		Swab, Sterile Container		Maintain at room temperature. Discard after 72 hours	Must indicate source of specimen on requisition.	87070
Culture, Anaerobic	Pus, Tissue, other Material	0.5 mL of pus	Sterile Anaerobic Container or Swab		Maintain at room temperature. Discard after 72 hours	Must indicate source of specimen on requisition.	87075
Culture, Beta Strep (Group B)	Vaginal		Bacterial Culture Transport Swab		Maintain at room temperature. Discard after 72 hours		87081; 87149
Culture, Blood	Whole Blood	8-10mL per bottle	Aerobic and Anaerobic Bottles		Maintain at room temperature. Discard after 72 hours	Must indicate time of collection and collection site on all bottles.	87040
Culture, Environmental	Swabbed Objects/ Surfaces		Bacterial Culture Transport Swab		Maintain specimen at room temperature	Used by long-term care facilities to monitor the environment	N/A
Culture, Fungal	Nails, Skin, Hair, etc.		Sterile Container		Maintain specimen at room temperature	Non-sterile respiratory specimens should be refrigerated	87101
Culture, Genital	Vaginal, Urethral, Cervical		Bacterial Culture Transport Swab		Maintain at room temperature. Discard after 72 hours	Intended for the isolation of aerobic organisms (ex. Gardnerella and Group B Strep)	87070
Culture, Sputum	Sputum, Biopsy, Aspirate	5-10 mL	Sterile leak-proof container, no additive		Refrigerated: 48 hours	First morning specimen preferred for sputum.	87070
Culture, Stool	Stool or Rectal Swab	1g or 1 swab	Stool Culture Transport Vial		Maintain at room temperature. Discard after 24 hours	If rectal swab is used, it must be submitted in Stool Culture Transport Vial	87045; 87046; 87427



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Culture, Throat	Throat	1 Swab	Bacterial Culture Transport Swab		Maintain at room temperature. Discard after 72 hours	Depress patient's tongue and avoid touching the tongue and uvula with the swab	87070
Culture, Urine	Urine	0.5 mL	Sterile Container or Transport Tube		Refrigerated: 24 hours	Clean-catch or catheterized specimen	87086
Culture, Wound	Tissue, Pus, Exudate, etc.		Bacterial Culture Transport Swab		Maintain at room temperature. Discard after 72 hours		87070
Cystic Fibrosis	Cervical sampling	2 mL	CytoBrush & Spatula or Broom in ThinPrep or SurePath Liquid Based Collection Vial	Room Temperature	3 weeks	ThinPrep or SurePath Liquid Based Pap Test: One specimen will be used to provide samples for both the Pap test and/or the CF test.	83891, 83894, 896x3, 83900, 83901, 83912
D-Dimer	Plasma	Full (4.5mL)	Citrated Light Blue Top		RT: 8 hours, Refrigerated: 8 hours, Frozen: 30 days	Fill collection tube, deliver specimen to lab within 6 hours if aliquot is not frozen.	85379
Decalcification	Bone or calcified soft tissue	0.1 cm x 0.1 cm x 0.1 cm		Above freezing in 10% Neutral Buffered Formalin		Label specimen container with patient's first and last name, and body site/source. Place container in a specimen bag with a biohazard label. Include pertinent clinical information, i.e., previous malignancy, radiation therapy, drugs, etc. on the requisition and place it in the side pocket of the specimen bag. 1. Bone or calcified soft tissue must be submitted in ten percent neutral buffered formalin solution. Formalin containers must have a formalin hazard label on the outside of the container. 2. The amount of formalin should be fifteen to twenty times the volume of the specimen.	88304
Digoxin	Serum	0.5 ml	SST, Red Top no additive		RT: 14 days, Refrigerated: 14 days, Frozen 30 days	Collect sample between 8-24 hours after any dose.	80162
Dilantin/Phenytoin	Serum	0.5 mL	Red Top no additive		RT: 14 days, Refrigerated: 14 days, Frozen 30 days		80185
Direct Immunofluorescence Studies - IgG, IgA, C3	Surgical Pathology or Dermatopathology	0.1 cm x 0.1 cm x 0.1 cm		Refrigerate, if possible. Best if kept cool (wet ice in cooler). Michel's Fixative for transport.	3 days in Michel's Fixative	Label specimen container with patient's first and last name, and body site/source. Place container in a specimen bag with a biohazard label. Place the requisition in the side pocket of the specimen bag. Specimens should be submitted to the Histology laboratory in Michel's Fixative within 72 hours after collection. Michel's Fixative containers must have a hazardous label on the outside of the container. For routine H&E and Direct Immunofluorescence studies, two specimens should be submitted (see "Tissue Biopsy" instructions for routine H&E).	88346 (x3)



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Effusion Cytology: Plural Fluid, Thoracentesis, Ascites, Paracentesis, Synovial, Peritoneal Fluid, Pericardial Fluid, Cyst Fluid, etc.	Body Cavity Fluid	N/A	Aspirating syringe	Refrigerate	72 hours	<ol style="list-style-type: none"> 1. Label container with patient name, date of birth and source / site. 2. Refrigerate and send the entire fresh fluid in cooler. The specimen should be collected in a container large enough to hold the entire specimen (if possible). 3. Volume is significant and if the whole specimen cannot be submitted, a well-mixed representative sample should be sent. Do not add heparin 4. Place container in a specimen biohazard bag with the requisition in the side pocket. 	88112, 88305
Electrolyte Panel	Serum	2ml/.8ml min	Gel-barrier tube or transport tube	Maintain specimen at room temperature.		Separate serum from cells within 45 minutes of collection; avoid hemolysis. Carbon dioxide; chloride; potassium; sodium	80051
Esophageal Brushing	Espophgeal Cells	N/A	Brush, glass slide, & Cytolyt fluid	Room Temperature	3 weeks	<ol style="list-style-type: none"> 1. Label slides with patient's name, date of birth and source site on the frosted end in pencil. 2. Roll brush gently over 2/3 of the slide and immediately preserve with spray fixative marked (F) on the slide label. 3. The brush may be submitted in Cytolyt preservative fluid. 4. Place slides in appropriate cardboard/paper holder and secure with tape. 5. Place in a biohazard bag along with the completed requisition in the side pocket of the specimen bag. 	88112
Esophageal Washing	Espophgeal Cells	5mL min.	Cytolyt preservative fluid	Room Temperature	3 weeks	<ol style="list-style-type: none"> 1. Label container with patient's name, date of birth and source site. 2. The specimen should be collected by vigorous washing of the surface following intubation. 3. Mix specimen with equal volume of 95% ethyl alcohol or Cytolyt preservative fluid. 4. Place in a biohazard bag along with the completed requisition in the side pocket of the specimen bag. 	88112
Estradiol, Sensitive	Serum	.8ml/Min 0.3 mL (Note: This volume does not allow for repeat testing.)	Red-top tube or gel- barrier tube	Refrigerate		If a red-top tube is used, transfer separated serum to a plastic transport tube. Gross lipemia; recently administered isotopes	82670
Estrogens, Total	Serum or plasma	2.8 ml/min 1.1 mL (Note: This volume does not allow for repeat testing.)	Red-top tube, gel-barrier tube, or green-top (heparin) tube	Refrigerate		Patient must avoid having radioisotope scan prior to collection of specimen. Gross hemolysis; recent isotopic scan; gross lipemia; icteric specimen	82672
Ferritin	"Serum"	0.5 mL	Serum Separator Tube		RT: 8 hours, Refrigerated: 2 days, Frozen: 30 days		82728



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Fibrinogen	Plasma	Full (4.5mL)	Citrated Light Blue Top		RT: 24 hours, Refrigerated: 24 hours, Frozen: N/A	Fill collection tube to line ensuring a 9:1 blood to anticoagulant ratio	85384
Fine Needle Aspiration	Varying body sites	30 mL of preservative fluid	Aspirating syringe on 2 slide smears: remaining aspirate fluid in Cytolyt	Room Temperature	3 weeks	<ol style="list-style-type: none"> 1. Label container and/or slides with patient's name, date of birth and source site on the frosted end in pencil. 2. Expel 1-4 drops of material on one slide immediately following the aspiration. 3. Place the other slide on top of the first slide with specimen. Spread the glass slides apart from each other to evenly distribute cells. Immediately fix one smear with spray fixative marked (F) on the slide label and the other let air dry marked (AD). Two slides are needed per site. 4. Place slides in appropriate cardboard/paper holder and secure with tape. 5. Mix the remaining aspirated material by drawing Cytolyt preservative fluid into the syringe and rapidly expelling through the needle back into the Cytolyt container. Repeat rinsing may be necessary to wash the syringe and needle completely. DO NOT submit the needle to the laboratory. 6. Place slides and container in a specimen biohazard bag. Place the requisition in the side pocket of the specimen bag. 	88112, 88305
Flow Cytometry - Leukemia / Lymphoma						<ol style="list-style-type: none"> 1. Collect 1mL bone marrow; 20mL peripheral blood. 2. Immediately aliquot into a 3 mL sodium heparin vacutainer. 3. Deliver to Pathology Medical Services, P.C. immediately at room temperature. 	
Folate	Serum	0.5 mL	SST, Red Top no additive		RT: 24 hours, Refrigerated: 7 days, Frozen: 21 days	Hemolysis is unacceptable.	82746
Follicle-stimulating Hormone (FSH), Serum	Serum	1 mL/min 0.3 mL (Note: This volume does not allow for repeat testing.)	Red-top tube or gel-barrier tube	Refrigerate		If a red-top tube is used, transfer separated serum to a plastic transport tube. Avoid hemolysis.	83001 (per specimen)
Free T3	Serum	0.5mL	SST, Red Top no additive	RT:5 days, Refrigerated: 14 days, Frozen: 1 year			84481
Free T4	Serum	0.5mL	SST, Red Top no additive	RT:5 days, Refrigerated: 14 days, Frozen: 1 year			84439



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FSH and LH	Serum	0.5mL	SST, Red Top no additive	RT: 7 days, Refrigerated: 7days, Frozen: 30 days			83001, 83002
Gastric Brushing						Label container and/or slides with patient's first and last name and source / site on the frosted end in pencil. Place slides in a slide protector container. Place container in a specimen bag with a biohazard label. Place the requisition in the side pocket of the specimen bag. Patients should fast for 12 hours prior to collection. 1. Collect specimen by brushing the mucosal surface after intubation. 2. Roll brush over 2/3 of glass slide and fix immediately with spray fixative. 3. Disposable brushes may be submitted in a container of liquid preservative or 95% ethyl alcohol.	88112
Gastric Washing						Label container and/or slides with patient's first and last name and source / site on the frosted end in pencil. Place slides in a slide protector container. Place container in a specimen bag with a biohazard label. Place the requisition in the side pocket of the specimen bag. Specimen should be submitted in an equal volume of specimen to fixative, 95% ethyl alcohol or liquid preservative.	88112
GGT	Serum	0.5 mL	SST, Red Top no additive		RT: 7 days, Refrigerated: 7 days, Frozen: 30 days		82977
Glucose 2 HR Post Prandial	Whole Blood or Serum	0.5 mL	Gray-top (fluoride oxalate), SST, Red Top no additive		RT: 24 hours, Refrigerated: 72 hours, Frozen: N/A	Fasting overnight is preferred. Specimen is collected 2 hours after a 75g dose of glucose	82947
Glucose Tolerance	Whole Blood	0.5 mL	4 Gray-top tubes (fluoride oxalate)		RT: 1 day, Refrigerated: 3 days, Frozen: N/A	1st tube is fasting specimen. Give patient 75g dose of glucose right after 1st tube draw.	82951
Glucose, Serum	Serum	1ml/.5ml min	Red-top tube or gel-barrier tube	Maintain specimen at room temperature.		Patient should fast for 12 hours.	82947
Gout (Urate Crystals)	Surgical Pathology	0.1 cm x 0.1 cm x 0.1 cm		Above freezing in 100% alcohol		Label specimen container with patient's first and last name, and body site/source. Place container in a specimen bag with a biohazard label. Include pertinent clinical information, i.e., previous malignancy, radiation therapy, drugs, etc. on the requisition and place it in the side pocket of the specimen bag. Tissue submitted for gout must be placed in 100% absolute alcohol. If absolute alcohol is not available the tissue may be submitted fresh in a tissue container and transported, being kept cool with wet ice (ice pack). Fixatives containing water will destroy the crystals.	88305

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Gram Stain	Clinical Material		Swab, Sterile Container		Maintain at room temperature. Discard after 72 hours		87205
Growth Hormone	Serum	0.5 mL	SST, Red Top no additive		RT: 7 days, Refrigerated: 7 days, Frozen: 30 days	Rejection criterion: Gross hemolysis, gross lipemia, or plasma specimen	83003
Hematocrit	Whole Blood	1 mL	EDTA Lavender		RT: 24 hours, Refrigerated: 48 hours	Rejection criterion: Clotted specimen or gross hemolysis	85014
Hemoglobin	Whole Blood	1 mL	EDTA Lavender		RT: 24 hours, Refrigerated: 48 hours	Rejection criterion: Clotted specimen or gross hemolysis	85018
Hemoglobin A1C	Whole Blood	1 mL	EDTA Lavender		RT: 7 days, Refrigerated: 7 days		83036
Hepatic Function Panel (7)	Serum	4ml/ 1ml min	Red-top tube or gel-barrier tube	Refrigerate		Separate serum from cells within 45 minutes of collection. Alanine aminotransferase (ALT/SGPT); albumin, serum; alkaline phosphatase, serum; aspartate aminotransferase (AST/SGOT); bilirubin, direct; bilirubin, total; protein, total, serum	80076
Hepatitis A Antibody (IgM)	Serum	0.5 mL	SST, Red Top no additive		RT: 14 days, Refrigerated: 14 days, Frozen: Indefinitely	Grossly hemolyzed and hyperlipemic specimens are not acceptable	86709
Hepatitis A Antibody (Total)	Serum	0.5 mL	SST, Red Top no additive		RT: 14 days, Refrigerated: 14 days, Frozen: Indefinitely	Grossly hemolyzed and hyperlipemic specimens are not acceptable	86708
Hepatitis B Core Antibody (IgM)	Serum	0.5 mL	SST, Red Top no additive		RT: 14 days, Refrigerated: 14 days, Frozen: Indefinitely	Rejection Criterion: Gross hemolysis or gross lipemia.	86705
Hepatitis B Core Antibody (Total)	Serum	0.5 mL	SST, Red Top no additive		RT: 5 days, Refrigerated: 14 days, Frozen: Indefinitely	Rejection Criterion: Gross hemolysis or gross lipemia.	86704
Hepatitis B Surface Antibody	Serum	0.5 mL	SST, Red Top no additive		RT: 5 days, Refrigerated: 14 days, Frozen: Indefinitely	Rejection Criterion: Gross hemolysis or gross lipemia.	86317
Hepatitis B Surface Antigen	Serum	1 mL	SST, Red Top no additive		RT: 7 days, Refrigerated: 14 days, Frozen: Indefinitely	Rejection Criterion: Gross hemolysis or gross lipemia.	87340
Hepatitis C Antibody	Serum	0.5 mL	SST, Red Top no additive		RT: 5 days, Refrigerated: 14 days, Frozen: Indefinitely	Rejection Criterion: Gross hemolysis or gross lipemia.	86803
Hepatitis Panel (Acute)	Serum	2 mL	SST, Red Top no additive		RT: 14 days, Refrigerated: 14 days, Frozen: Indefinitely	This panel includes: Hep B Surface Antigen, and Hep C	80074



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TEST NAME	SPECIMEN	VOLUME	COLLECTION DEVICE	STORAGE	STABILITY	SPECIAL INSTRUCTIONS	CPT CODES
Herpes I & II	Cervical sampling	2ml	CytoBrush & Spatula or Broom in ThinPrep or SurePath Liquid Based Collection Vial	Room Temperature	3 weeks	ThinPrep or SurePath Liquid Based Pap Test: One specimen will be used to provide samples for both the Pap test and/or the HSV test.	87529
HIV 1-2 Antibodies	Serum	2 mL	SST, Red Top no additive		RT: 7 days, Refrigerated: 14 days, Frozen: 30	Send Original Tube, no pour-offs accepted. Tube must be properly labeled	86703
HPV - 16/18 Genotyping	Cervical sampling	2ml	CytoBrush & Spatula or Broom in ThinPrep or SurePath Liquid Based Collection Vial	Room Temperature	3 weeks	ThinPrep or SurePath Liquid Based Pap Test: One specimen will be used to provide samples for both the Pap test and/or the HPV Genotyping test.	87621 x 2
HPV - High Risk	Cervical sampling	2ml	CytoBrush & Spatula or Broom in ThinPrep or SurePath Liquid Based Collection Vial	Room Temperature	3 weeks	ThinPrep or SurePath Liquid Based Pap Test: One specimen will be used to provide samples for both the Pap test and/or the HPV test.	87621
HPV DNA Assay - High Risk Probe						Conventional Pap Smear with HPV testing: If utilizing the conventional Pap smear, collect the specimen for HPV after collecting the Pap smear. Utilize a Digene Cervical Sampler, which comprises of a cervical brush and a tube containing specimen transport medium. Thin Layer Pap Test: If utilizing a thin layer Pap test, one specimen may be used to provide samples for both the Pap test and the HPV DNA test.	87621
Human Chorionic Gonadotropin (hCG), Beta Subunit, Quantitative, Serum	Serum	1 mL/min 0.3 mL (Note: This volume does not allow for repeat testing.)		Refrigerate		If a red-top tube is used, transfer separated serum to a plastic transport tube. Values obtained with different assay methods should not be used interchangeably in serial testing. It is recommended that only one assay method be used consistently to monitor each patient's course of therapy. This procedure does not provide serial monitoring; it is intended for one-time use only. If serial monitoring is required, please use the serial monitoring number 480038 to order.	84702
Insulin	Serum	0.5 mL	SST, Red Top no additive		RT: 48 hours, Refrigerated: 8 days, Frozen: 30 days	Fasting specimen is required. Gross hemolysis and/or icterus are unacceptable	83525
Iron	Serum	0.5 ml	SST, Red Top no additive	RT: 7 days, Refrigerated: 7 days, Frozen: 28 days (-20C)	Grossly hemolyzed samples are unacceptable		83540



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TEST NAME	SPECIMEN	VOLUME	COLLECTION DEVICE	STORAGE	STABILITY	SPECIAL INSTRUCTIONS	CPT CODES
Iron and Iron Binding Capacity	Serum	0.5 ml	SST, Red Top no additive		RT: 7 days, Refrigerated: 7 days, Frozen: 28 days (-20C)	Grossly hemolyzed samples are unacceptable	83540, 83550
Ketones (Serum)	Serum	0.5 mL	SST		RT: 2 hours; Refrigerated: 3 days	Send original unopened tube. Ketones are Volatile	82009
KOH Wet Prep	Vaginal		Swab in Sterile Transport Tube		RT: 48 hours	Keep specimen incubated at 37 Degree Celcius if examination is prolonged.	87210
LDH	Serum	0.5 mL	SST, Red Top no additive		RT: 14 days, Refrigerated: 14 days, Frozen: 30 days	Rejection Criterion: Gross hemolysis	83615
Lipase	Serum	0.5 mL	SST, Red Top no additive		RT: 7 days, Refrigerated: 7 days, Frozen: 7 days		83690
Lipid Panel	Serum	2ml/.5min	Gel-barrier tube or transport tube	Maintain specimen at room temperature.		Separate serum from cells within 45 minutes of collection. Lipid panels are best avoided for up to 3 months following acute myocardial infarction, although cholesterol can be measured in the first 24 hours. Patient should be on a stable diet, ideally for 2-3 weeks prior to collection of blood, and should fast for 12-14 hours before collection of the specimen. State patient's age and sex on the request form. Cholesterol, total; high-density lipoprotein (HDL) cholesterol; low-density lipoprotein (LDL) cholesterol (calculation); triglycerides; very low-density lipoprotein (VLDL) cholesterol (calculation)	80061
Luteinizing Hormone (LH), Serum	Serum	1 mL/min 0.3 mL (Note: This volume does not allow for repeat testing.)	Red-top tube or gel-barrier tube	Refrigerate		If a red-top tube is used, transfer separated serum to a plastic transport tube. State patient's age and sex on the request form.	83002 (per specimen)
Lymph Node Biopsy - for lymphoma infection or metastatic malignancy			See special instructions	See special instructions		Label specimen container with patient's first and last name, and body site/source. Place container in a specimen bag with a biohazard label. Place the requisition in the side pocket of the specimen bag. In general, lymph node samples are submitted fresh so that portions may be obtained for microbiology studies, frozen section, immunoperoxidase, and for molecular biologic studies (DNA gene rearrangement assay). Seal the container and keep refrigerated until pick up. DO NOT FREEZE. Lymph nodes submitted for routine Histology (requiring no special studies) must be submitted in ten percent neutral buffered formalin solution. Formalin containers must have a formalin hazard label on the outside of the container. The amount of formalin should be fifteen to twenty times the volume of the specimen.	88305, 88333, 88334



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TEST NAME	SPECIMEN	VOLUME	COLLECTION DEVICE	STORAGE	STABILITY	SPECIAL INSTRUCTIONS	CPT CODES
Magnesium	Serum	0.5 mL	SST, Red Top no additive		RT: 7 days, Refrigerated: 7 days, Frozen: 7 days	Hemolysis may falsely elevate levels, while bilirubin may falsely lower levels	83735
Metabolic Panel (14), Comprehensive	Serum	5ml	Red-top tube or gel-barrier tube	Refrigerate		Separate serum from cells within 45 minutes of collection. Patient should fast for 12 hours preceding collection of specimen. Alanine aminotransferase (ALT/SGPT); albumin:globulin (A:G) ratio; albumin, serum; alkaline phosphatase, serum; aspartate aminotransferase (AST/SGOT); bilirubin, total; BUN; BUN:creatinine ratio; calcium, serum; carbon dioxide, total; chloride, serum; creatinine, serum; globulin, total; glucose, serum; potassium, serum; protein, total, serum; sodium, serum	80053
Metabolic Panel (8), Basic	Serum	5ml	Red-top tube or gel-barrier tube	Refrigerate		Separate serum from cells within 45 minutes of collection. Patient should fast for 12 hours preceding collection of specimen. BUN; BUN:creatinine ratio; calcium, serum; carbon dioxide, total; chloride, serum; creatinine, serum; glucose, serum; potassium, serum; sodium, serum	80048
MicroAlbumin (Random)	Urine	2 mL	Sterile leak-proof container, no additive		RT: 7 days, Refrigerated: 14 days, Frozen: 30 days	Rejection Criterion: Urine submitted in preservative (Acid)	82043
Mononucleosis (Heterophile Antibody)	Serum	0.3 mL	SST, Red Top no additive		RT: 4 days, Refrigerated: 7 days, Frozen: 30 days		86308
Neisseria Gonorrhoeae	Cervical sampling	2ml	CytoBrush & Spatula or Broom in ThinPrep or SurePath Liquid Based Collection Vial	Room Temperature	3 weeks	ThinPrep or SurePath Liquid Based Pap Test: One specimen will be used to provide samples for both the Pap test and/or the NG test.	87591
Obstetric Panel	Whole Blood and Serum	10 mL WB and 6 mL	2SST and 2Lavender (Filled)		RT: 4-14 days, Refrigerated: 3-14 days	This panel includes: CBC w/ Diff, Hep B Surface Antigen, Type and Screen, RPR, Rubella	80055
Ova and Parasites	Stool		O & P Containers w/ Formalin and PVA		Maintain specimen at room temperature		87177
Peripheral Smear Review	Submit two unstained peripheral blood smear slides. Stained slides are acceptable, but not preferable.					Please see requisition form instructions for complete information. Complete test requisition including last and first name of patient, patient's date of birth and social security number. Label slides with patient's first and last name. Place slides in a slide protector, and place all slides in a specimen bag with a biohazard label. Place the requisition in the side pocket of the specimen bag. Include a copy of the CBC results with the blood smear slides. Smears must be made within 24 hours of blood collection.	85008



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TEST NAME	SPECIMEN	VOLUME	COLLECTION DEVICE	STORAGE	STABILITY	SPECIAL INSTRUCTIONS	CPT CODES
Phosphorus, Serum	Serum	1ml/.5ml min	Red-top tube or gel-barrier tube	Maintain specimen at room temperature.		Separate serum from cells within 45 minutes of collection. Patient should be fasting.	84100
Platelet Count	Whole Blood	1 mL	EDTA Lavender		RT: 24 hours, Refrigerated: 48 hours	For patients with known platelet clumping, collect in Citrated Blue Top Tube	85049
Potassium, Serum	Serum	1ml/.5ml min	Red-top tube or gel-barrier tube	Maintain specimen at room temperature.		Separate serum from cells within 45 minutes of collection. Specimen should be free from hemolysis and lipemia.	84132
Pregnancy Serum (Qualitative)	Serum	0.5 mL	SST, Red Top no additive		RT: 7 days, Refrigerated: 7 days, Frozen: 30 days	Rejection criterion: Gross hemolysis	84703
Pregnancy Urine (Qualitative)	Urine	1 mL	Sterile leak-proof container, no additive		RT: 7 days, Refrigerated: 7 days	First morning urine preferred, but not required	84703
Professional Consultations	Surgical Pathology or Dermato-pathology					The surgical specimen must be accompanied by the history, include the patient's name and a copy of the previous pathology report. Best if accompanied by the original slides and paraffin block(s) (appropriately labeled with two identifiers) in case slide duplication is needed. Original slides/blocks will be returned to the referring laboratory after a final report has been issued. A copy of GPA's final report will be sent to the referring laboratory.	88321 or 88323
Progesterone	Serum	1 mL/min 0.3 mL (Note: This volume does not allow for repeat testing.)	Red-top tube or gel-barrier tube	Refrigerate		Request must include patient's age and sex. If female, state weeks of gestation and last menstrual period (LMP). If a red-top tube is used, transfer separated serum to a plastic transport tube.	84144
Prolactin	Serum	2 mL/min 0.3 mL (Note: This volume does not allow for repeat testing.)	Red-top tube or gel-barrier tube	Refrigerate		If a red-top tube is used, transfer separated serum to a plastic transport tube. Venipuncture itself can elevate prolactin level. Therefore, some recommend insertion of heparinized scalp vein followed by a 30-minute rest, before sample is drawn. Draw between 8 AM and 10 AM (levels subsequently increase). Phenothiazines especially may cause hyperprolactinemia. TSH level is recommended before or with sampling for prolactin, to rule out primary hypothyroidism. Prolactin secretion is inhibited by levodopa, dopamine, bromocriptine, and thyroid hormones. It is influenced by estrogens and antihypertensives.	84146 (per specimen)
Protein, Total, Serum	Serum	1ml/.5ml min	Gel-barrier tube or transport tube	Maintain specimen at room temperature.		Separate serum from cells within 4 hours of collection.	84155
PSA	Serum	0.5 ml	SST, Red Top no additive		RT: 7 days; Refrigerated: 14 days; Frozen: 1 year	Grossly hemolyzed, lipemic, and/or icteric unacceptable	84153
PT/INR (Prothrombin Time)	Whole Blood	Full (4.5 mL)	Citrated Light Blue Top		RT: 24 hours, Frozen: 7 days (aliquoted)	Fill collection tube to line ensuring a 9:1 blood to anticoagulant ratio	85610



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TEST NAME	SPECIMEN	VOLUME	COLLECTION DEVICE	STORAGE	STABILITY	SPECIAL INSTRUCTIONS	CPT CODES
PTH Intact	Frozen Serum	1 ml	SST, Red Top no additive		Frozen: 4 months	RT and Refrigerated specimens not acceptable	83970
PTT	Whole Blood	Full (4.5 ml)	Citrated Light Blue Top		RT: 24 hours, Frozen: 7 days (aliquoted)	Fill collection tube to line ensuring a 9:1 blood to anticoagulant ratio	85730
RA Factor	Serum	0.5 ml	SST, Red Top no additive		RT: 5 days; Refrigerated: 7 days; Frozen: 30 days (-20C)	Avoid freezing and thawing	86431
Rapid Plasma Reagin (RPR), Qualitative Test	Serum or plasma	1ml/.5ml min	Red-top tube, gel-barrier tube, lavender-top (EDTA) tube, green-top (heparin) tube, or gray-top (sodium fluoride) tube.	Refrigerate		Plasma specimens may not be less than one-half full as excess anticoagulant may cause improper results.	86592
Renal Function Panel	Serum	2.5 mL	SST, Red Top no additive		RT: 1 day, Refrigerated: 7 days	This panel includes: BUN, Calcium, Glucose, CO2, Na, Cl, K, Creatinine, Phos. & Albumin	80069
Reticulocyte Count	Whole Blood	1 ml	EDTA tube		RT: 48 hours		85045
RPR	Serum	0.5 ml	SST, Red Top no additive	RT: 4 days, Refrigerated: 7 days, Frozen: 30 days			86592
Rubella Antibodies, IgG	Serum	1ml/.5ml min	Red-top tube or gel-barrier tube	Maintain specimen at room temperature.			86762
Rubella Antibodies, IgM	Serum	1ml/.5ml min	Red-top tube or gel-barrier tube	Maintain specimen at room temperature.			86762
Sedimentation Rate	Whole Blood	2 ml	EDTA tube		RT: 24 hours; Refrigerated: 24 hours		85651
Sickle Cell Screen	Whole Blood	1 ml	EDTA tube		RT: 24 hours; Refrigerated: 1 week	Hemoglobinopathy evaluation recommended for patient < 6 mos old	85660
Sodium, Serum	Serum	1ml/.5ml min	Red-top tube or gel-barrier tube	Maintain specimen at room temperature.		Separate serum from cells within 45 minutes of collection. Label specimen as serum.	84295



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TEST NAME	SPECIMEN	VOLUME	COLLECTION DEVICE	STORAGE	STABILITY	SPECIAL INSTRUCTIONS	CPT CODES
Sputum	Bronchial secretion	N/A	Sterile specimen cup or Cytolyt preservative fluid.	Refrigerate and transport to the cytology department as soon as possible.	24 hours	<ol style="list-style-type: none"> 1. Label container with patient name, date of birth and source / site. 2. Have patient rinse out their mouth with water before collection. 3. Sputum should be expectorated directly into the specimen container. 4. The patient should be instructed that mucous or saliva is not satisfactory and that a deep cough is absolutely essential to be of diagnostic value. 5. Indicate to the patient that the fluid in the specimen container is not for internal consumption. 6. Sputum may be collected fresh or in Cytolyt. 7. First morning specimens are preferred. It is not necessary to obtain a four-hour sputum. 8. After the sample is collected replace the lid tightly. 9. The cytology specimen cannot be used for culture. 10. Place container in a specimen biohazard bag with the requisition in the side pocket. 	88104
Stool WBC	Stool	1 g	Leak-proof container, no additive		RT: 24 hours; Refrigerated: 72 hours		89055



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TEST NAME	SPECIMEN	VOLUME	COLLECTION DEVICE	STORAGE	STABILITY	SPECIAL INSTRUCTIONS	CPT CODES
SurePath Pap Test	Cervical sampling	10mL	CytoBrush & Spatula or Broom in SurePath Liquid Based Collection Vial	Room Temperature	3 weeks	<ol style="list-style-type: none"> 1. Label the vial with patient's name, date of birth or requisition ID #. Complete a test requisition. 2. It is essential to provide all pertinent clinical information, such as diagnosis code, LMP, clinical history, and high risk factors. 3. The ThinPrep Pap test should ideally be taken two weeks after the first day of the last menstrual period. The patient should avoid the use of vaginal medications, vaginal contraceptives, douches, lubricants, and sexual intercourse at least 48 hours prior to examination. NCCLS guidelines recommend that no lubricant be used during the pap test. ACOG recommends that care be taken not to contaminate the specimen with lubricant because this may lead to an unsatisfactory result and insufficient specimen remaining for ancillary testing. 4. Be certain to tighten the cap on the vial. 5. At the end of the procedure place the vial into a biohazard specimen bag along with the requisition in the side pocket. <p>Endocervical Brush / Spatula Protocol: Ectocervix and Endocervix Sample - Insert the contoured end of the plastic spatula and rotate 360° around the entire excocervix. Snap the device into the SurePath preservative vial. Insert Cytobrush into the endocervix until only the bottom-most bristles are exposed at the os. Slowly rotate ¼ to ½ turn in one direction. To reduce unnecessary bleeding, do not over-rotate brush. Snap the device handle and drop the detachable head of the device into the Sure Path vial.</p> <p>Broom-Like Device Protocol: Ectocervix and Endocervix Sample - Insert the central bristles of the Rovers Cervix-broom into the endocervical canal deep enough to allow the shorter bristles to fully contact the ectocervix. Push gently, and rotate the broom in a clockwise direction five times. Drop the detachable head of the device into the Sure Path vial.</p>	"88142 (Screening), 88141 (Pathologist Review)"
Synovial Fluid Analysis	Synovial Fluid	1.5 ml	Sterile Tube(s), no additive		RT: 24 hours, Refrigerated: 7 days; Frozen: 28 days (-20C)		82945, 89060
Testosterone	Serum	0.5 ml	Red Top no additive		RT: 72 hours; Refrigerated: 14 days; Frozen: 1 year		84403
Theophylline	Serum	0.5 ml	Red Top no additive		RT: 4 days; Refrigerated: 7 days		80198



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TEST NAME	SPECIMEN	VOLUME	COLLECTION DEVICE	STORAGE	STABILITY	SPECIAL INSTRUCTIONS	CPT CODES
ThinPrep® Pap Test w/ Imaging	Cervical sampling	20 ml	CytoBrush & Spatula or Broom in ThinPrep Liquid Based Collection Vial	Room Temperature	3 weeks	<ol style="list-style-type: none"> 1. Label the vial with patient's name, date of birth or requisition ID #. Complete a test requisition. 2. It is essential to provide all pertinent clinical information, such as diagnosis code, LMP, clinical history, and high risk factors. 3. The ThinPrep Pap test should ideally be taken two weeks after the first day of the last menstrual period. The patient should avoid the use of vaginal medications, vaginal contraceptives, douches, lubricants, and sexual intercourse at least 48 hours prior to examination. NCCLS guidelines recommend that no lubricant be used during the pap test. ACOG recommends that care be taken not to contaminate the specimen with lubricant because this may lead to an unsatisfactory result and insufficient specimen remaining for ancillary testing. 4. Tighten the cap so that the torque black line on the cap passes the torque line on the vial. 5. At the end of the procedure place the vial into a biohazard specimen bag along with the requisition in the side pocket. <p>Endocervical Brush / Spatula Protocol: Ectocervix Sample – Insert plastic spatula into the cervical os and rotate one full turn (360 degrees). Rinse the spatula into the PreservCyt Solution vial by swirling the spatula vigorously in the vial 10 times. Discard the spatula.</p> <p>Endocervix Sample – Insert cytobrush, (recommended to obtain Endocervical cells) into Endocervix. Gently rotate ¼ turn to ½ turn in one direction. Do not over-rotate.</p> <p>Rinse the brush in the PreservCyt Solution by rotating the device in the solution ten times while pushing against the PreservCyt vial wall. Swirl the brush vigorously to further release material. Discard the brush.</p> <p>Broom-Like Device Protocol:</p> <p>Ectocervix and Endocervix Sample – Insert the central bristles of the broom into the endocervical canal deep enough to allow the shorter bristles to fully contact the ectocervix. Push gently, and rotate the broom in a clockwise direction five times. Rinse the broom into the PreservCyt solution vial by pushing the broom into the bottom of the vial ten times, forcing the bristles apart. As a final step, swirl the broom vigorously to further release material. Discard the collection device. DO NOT REMOVE THE HEAD OF THE BROOM AND LEAVE IT IN THE VIAL. Doing so will not allow proper fixation of the cells.</p>	88175 (Screening) 88141 (Pathologist Review)



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TEST NAME	SPECIMEN	VOLUME	COLLECTION DEVICE	STORAGE	STABILITY	SPECIAL INSTRUCTIONS	CPT CODES
Thyroid-stimulating Hormone (TSH)	Serum	1 mL/Min 0.4 mL (Note: This volume does not allow for repeat testing.)	Red-top tube or gel-barrier tube	Refrigerate		If a red-top tube is used, transfer separated serum to a plastic transport tube.	84443
Thyroxine (T4)	Serum	1 mL (adult), 0.8 mL (pediatric). Min 0.5 mL (adult), 0.3 mL (pediatric) (Note: This volume does not allow for repeat testing.)	Red-top tube or gel-barrier tube	Refrigerate		If a red-top tube is used, transfer separated serum to a plastic transport tube.	84436
Thyroxine (T4) Free, Direct, Serum	Serum	3 mL/min 0.3 mL (Note: This volume does not allow for repeat testing.)	Red-top tube or gel-barrier tube	Refrigerate		If a red-top tube is used, transfer separated serum to a plastic transport tube.	84439
Tissue Biopsy	Surgical Pathology or Dermatopathology	0.1 cm x 0.1 cm x 0.1 cm		Above freezing in 10% Neutral Buffered Formalin		Label specimen container with patient's first and last name, and body site/source. Place container in a specimen bag with a biohazard label. Place the requisition in the side pocket of the specimen bag. Specimens must be submitted in ten percent neutral buffered formalin solution. Formalin containers must have a formalin hazard label on the outside of the container. The amount of formalin should be fifteen to twenty times the volume of the specimen.	88305
Triglycerides	Serum	1ml/.5ml min	Red-top tube or gel-barrier tube. Do not use glycerinated Vacutainer® tubes.	Maintain specimen at room temperature.		Patient should be fasting 12-14 hours. The patient should be on a stable diet 2 weeks prior to collection of blood. Separate serum from cells within 45 minutes of collection.	84478
Tri-iodothyronine (T3)	Serum	2 mL/min 0.3 mL (Note: This volume does not allow for repeat testing.)	Red-top tube or gel-barrier tube	Refrigerate		If a red-top tube is used, transfer separated serum to a plastic transport tube. Heparin has been reported to have in vivo and in vitro effects on free T4 assay. Hence samples should not be collected during or soon after the administration of this anticoagulant.	84480
Tri-iodothyronine (T3), Free, Serum	Serum	1 mL/min 0.3 mL (Note: This volume does not allow for repeat testing.)	Red-top tube or gel-barrier tube	Refrigerate		If a red-top tube is used, transfer separated serum to a plastic transport tube.	84481

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TEST NAME	SPECIMEN	VOLUME	COLLECTION DEVICE	STORAGE	STABILITY	SPECIAL INSTRUCTIONS	CPT CODES
TSH with Reflex to Free T4	Serum	2 ml	SST, Red Top no additive		RT: 72 hours, Refrigerated: 7 days, Frozen: 28 days	Ensure complete clot formation before centrifugation	84443
Tzanck Smear for Viral Inclusions (Herpes)	Skin lesion	N/A	2 slide smears	Room Temperature	3 weeks	<ol style="list-style-type: none"> 1. Label slides with patient's name, date of birth and source site on the frosted end in pencil. 2. Cut approximately $\frac{3}{4}$ of the way around the vesicle in an elliptical or circular pattern. Flip over the flap of tissue and scrape the under side of the roof of vesicle with a blade. Gently smear on clean glass slide. Do not produce bleeding. 3. Pustules can be broken with a sterile hypodermic needle; if cultures are ordered, a swab may be used to break the pustule and then submitted for the culture specimen. 4. Two smears should be obtained directly from the suspect lesion and spray fixed. 5. Place slides in appropriate cardboard/paper holder and secure with tape. 6. Place in a biohazard bag along with the completed requisition in the side pocket of the specimen bag. 	88104
Urea Nitrogen, Serum	Serum	1ml/.5ml min	Gel-barrier tube	Maintain specimen at room temperature.		Separate serum from cells within 45 minutes of collection.	84520
Uric Acid	Serum	0.5 ml	SST, Red Top no additive		RT: 24 hours, Refrigerated: 7 days; Frozen: 28 days (-20C)	Grossly hemolyzed samples are unacceptable	84550
Urinalysis	Random Urine	2 ml	Sterile leak-proof container, no additive		RT: 2 hours; Refrigerated: 1 day	Clean-catch or catheterized preferred. Frozen sample unacceptable.	81003
Urinalysis, Microscopic	Random Urine	2 ml	Sterile leak-proof container, no additive		RT: 2 hours; Refrigerated: 1 day	Clean-catch or catheterized preferred. Frozen sample unacceptable.	81015
Urine Calcium 24 Hour	24 Hour Urine in 6N HCl	2 ml aliquot	Leak-proof container with 25 ml of 6N HCl		RT: 5 days; Refrigerated: 5 weeks	Include total volume on aliquot and requisition	82340
Urine Chloride	Random Urine	2 ml	Leak-proof container, no additive		RT: 14 days; Refrigerated: 14 days; Frozen: 60 days (-20C)		82436
Urine Creatinine	Random Urine	2 ml	Leak-proof container, no additive		RT: 7 days; Refrigerated: 30 days; Frozen: 90 days	Mix well before pouring off an aliquot	82570
Urine Creatinine 24 Hour	24 Hour Urine	2 ml aliquot	Leak-proof container, no additive		RT: 7 days; Refrigerated: 30 days; Frozen: 90 days	Mix well. No preservative. Include total volume on aliquot and requisition	82570



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TEST NAME	SPECIMEN	VOLUME	COLLECTION DEVICE	STORAGE	STABILITY	SPECIAL INSTRUCTIONS	CPT CODES									
Urine Cytology: Bladder, Kidney, Voided or Catheterized	Urine	20mL	Sterile specimen cup	Refrigerate and transport to the cytology department as soon as possible.	24 hours	<ol style="list-style-type: none"> 1. Label container with patient's name, date of birth and source / site. 2. Specimen should not be a first morning urine. A mid-stream urine collection is adequate for males. In females, a catheterized specimen is preferred, but a mid-stream collection is acceptable. 3. Please avoid weekend collection if possible. 4. Specimen should be fresh; do not add preservative or Cytolyt. 5. Refrigerate and transport to the laboratory as soon as possible. 6. Place container in a specimen biohazard bag with the requisition in the side pocket. 	88112									
Urine Microalbumin 24 Hour	24 Hour Urine	2 ml aliquot	Leak-proof container, no additive		RT: 7 days; Refrigerated: 14 days; Frozen: 1 year	Mix well. No preservative. Include total volume on aliquot and requisition	82043									
Urine Potassium	Random Urine	2 ml	Leak-proof container, no additive		RT: 7 days; Refrigerated: 14 days; Frozen: 60 days (-20C)		84133									
Urine Protein 24 Hour	24 Hour Urine	2 ml aliquot	24 Hour Urine Container, no additive		RT: 4 days; Refrigerated: 5 days; Frozen: 1 month	Collect without preservative. Indicate total volume on aliquot and requisition	84156									
UroVysion/FISH	Urine	35-40mL	PreservCyt preservative collection vial	Refrigerate and transport to the cytology department as soon as possible.	24 hours	<ol style="list-style-type: none"> 1. Collect a minimum of 33ml of urine. If urine exceeds 40ml, pour off excess volume. 2. Add PreservCyt in 2:1, urine to PreservCyt ratio immediately: <table style="margin-left: 20px;"> <tr> <td>Urine</td> <td>PreservCyt</td> <td>Total</td> </tr> <tr> <td>35ml.....</td> <td>17ml (7/8 of vial).....</td> <td>52ml</td> </tr> <tr> <td>40ml.....</td> <td>20ml (entire vial).....</td> <td>60ml</td> </tr> </table> 3. Total PerservCyt volume equals 20mL and total urine and total volume should not exceed 60ml of urine and preservative solution in the specimen collection cup. 4. Label the vial with patient name and date of birth. 5. Place urine/preservative mixture in original packaging and store immediately in the refrigerator until ready for transport. Decomposition of urine begins within 30 minutes. 6. Transport to cytology lab ASAP on same day. Preferred shipping conditions are on ice packs. Do not allow direct contact of ice pack with specimen container. A foam divider or paper towels should be used to separate. 7. Provide complete requisition. 	Urine	PreservCyt	Total	35ml.....	17ml (7/8 of vial).....	52ml	40ml.....	20ml (entire vial).....	60ml	88367x4
Urine	PreservCyt	Total														
35ml.....	17ml (7/8 of vial).....	52ml														
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GREENSBORO PATHOLOGY - DIRECTORY OF SERVICES

TEST NAME	SPECIMEN	VOLUME	COLLECTION DEVICE	STORAGE	STABILITY	SPECIAL INSTRUCTIONS	CPT CODES
Vaginitis Panel (Candida species, Gardnerella vaginalis and Trichomonas vaginalis)	Cervical sampling	1 mL min.	BD Affirm Microbial Transport Swab	Room Temperature	72 hours	<ol style="list-style-type: none"> 1. Open the seal and remove the components. Break the transport reagent ampule and dispense into sample collection tube. 2. Insert an unlubricated speculum into the vagina to permit visualization of the posterior vaginal fornix. 3. Using the sterile swab, obtain a sample from the posterior vaginal fornix. Twist or roll the swab against the vaginal wall two or three times, ensuring the entire circumference of the swab has touched the vaginal wall. Swab the lateral vaginal wall while removing the swab. 4. Immediately place the swab in the sample collection tube. 5. With the swab touching the bottom of the collection tube, grasp the pre-scored handle of the swab just above the top of the tube and bend until the swab breaks. When the swab is fully inserted into the collection tube, the score mark on the swab is approximately 1 cm above the top of the collection tube. Discard the broken handle into an infectious waste container. 6. Place the cap over the exposed end of the swab and firmly press the cap onto the tube. The cap will "snap" onto the tube when it is properly seated. 7. Label the sample collection tube with the patient name and date of birth, including the time the sample was collected. 8. Place in a biohazard bag along with the completed requisition in the side pocket of the specimen bag. 	87480, 87510, 87660
Vitamin B12	Serum	0.3 ml	SST, Red Top no additive		RT: 7 days; Refrigerated: 7 days; Frozen: 28 days (-20C)		82607
Vitamin B12 & Folate	Serum	1.2 ml	SST, Red Top no additive		RT: 24 hours; Refrigerated: 7 days; Frozen: 21 days		82607, 82746
WBC	Whole Blood	1 ml	EDTA Lavender		Refrigerated: 7 days		85048



Greensboro
PATHOLOGY
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