

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
1,5 Anhydroglucitol (GlycoMark®)	Fld Chest/Pleural	5.0 ml	Sterile Specimen Cup		
11 Deoxycortisol Qnt	Blood	3.5 ml	SST	Gold	
17 Hydroxycorticosteroids Urine 24Hr	Urine	24 hour collection	Urine Jug		
17 Hydroxypregnenolone Level	Blood	3.5 ml	SST	Gold	
17 Hydroxyprogesterone Level	Blood	3.5 ml	SST	Gold	
17 Ketosteroids Urine 24Hr	Urine	24 hour collection	Urine Jug		
5' Nucleotidase	Blood	3.5 ml	SST	Gold	
5Hydroxyindoleacetic Acid Urine 24Hr	Urine	24 hour collection	Urine Jug		
A1C Hemoglobin by HPLC	Blood	4.0 ml	K2 EDTA	Lavender	
ABO/Rh Type	Blood	7.0 mL	K2 EDTA	Pink	
ABO/Rh Type Newborn/Cord	Blood	0.5 mL	K2 EDTA / Cord Blood	Lavender Micro Tube	
ACE Angiotensin Converting Enzyme	Blood	3.5 ml	SST	Gold	
Acetaminophen Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Acetylcholine Receptor Antibody Panel	Blood	3.5 ml	SST	Gold	
Acetylcholine Receptor Binding Ab	Blood	3.5 ml	SST	Gold	
Acetylcholine Receptor Blocking Ab	Blood	3.5 ml	SST	Gold	
Acetylcholine Receptor Modulating Ab	Blood	3.5 ml	SST	Gold	
Acetylcholinesterase Amnio	Fld Amniotic	1.0 ml	Amniotic fluid container		Sendout to Mayo Clinic
Acid Hemolysin (Ham Test)	Blood	4.0 ml	K2 EDTA	Lavender	
Acid Hemolysin (Ham Test)	Endocervical	1	Micro Spec		
Acid Phosphatase Prostatic	Blood	3.5 ml	SST	Gold	
Acid Phosphatase Total	Blood	5.0 ml	No Additive	Red	
ACTH Adrenocorticotrophic Hormone	Blood	4.0 ml	K2 EDTA	Lavender	
Activated Protein C Resistance APC	Fld Amniotic	5.0 ml	BF Tube		
Acylcarnitine Quant Profile	Blood	4.0 ml	Sodium Fluoride / Potassium Oxalate	Gray	
ADAMTS13 Activity	Blood	2.7 ml	Sodium Citrate	Blue	
Adenovirus Antibodies IgG+IgM	Blood	3.5 ml	SST	Gold	
Adenovirus Antibody IgG	Blood	3.5 ml	SST	Gold	
Adenovirus Antibody IgM	Blood	3.5 ml	SST	Gold	
ADH Antidiuretic Hormone	Blood	4.0 ml	K2 EDTA	Lavender	
AFP Alpha Fetoprotein Amnio wAChE IF	Fld Amniotic	5.0 ml	ARUP tube		
AFP Alpha Fetoprotein Prenatal Maternal	Blood	3.5 ml	SST	Gold	
AFP Alpha Fetoprotein Tumor Marker	Blood	3.5 ml	SST	Gold	
AFP/hCG/Estriol/Inhibin A Maternal	Blood	3.5 ml	SST	Gold	
Albumin Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Albumin Level Body Fluid	Body Fluid	1.0 ml	No Additive	Red	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Aldolase Level	Blood	3.5 ml	SST	Gold	
Aldosterone Level	Blood	3.5 ml	SST	Gold	
Aldosterone Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
Aldosterone/Renin Activity Ratio	Blood	4.0 ml	K2 EDTA	Lavender	
Allergen Alternaria alternata/tenuis	Blood	3.5 ml	SST	Gold	
Allergen Alternaria tenuis IgG	Blood	3.5 ml	SST	Gold	
Allergen Animal Dog Dander	Blood	3.5 ml	SST	Gold	
Allergen Animal Feather Mix	Blood	3.5 ml	SST	Gold	
Allergen Aspergillus fumigatus	Blood	3.5 ml	SST	Gold	
Allergen Aspergillus fumigatus IgG	Blood	3.5 ml	SST	Gold	
Allergen Epidermals & Animal Prot, Cat D	Blood	3.5 ml	SST	Gold	
Allergen Food Almond	Blood	3.5 ml	SST	Gold	
Allergen Food Banana	Blood	3.5 ml	SST	Gold	
Allergen Food Barley	Blood	3.5 ml	SST	Gold	
Allergen Food Beef	Blood	3.5 ml	SST	Gold	
Allergen Food Bell Pepper/Paprika	Blood	3.5 ml	SST	Gold	
Allergen Food Cabbage	Blood	3.5 ml	SST	Gold	
Allergen Food Carrot	Blood	3.5 ml	SST	Gold	
Allergen Food Cashew	Blood	3.5 ml	SST	Gold	
Allergen Food Chicken	Blood	3.5 ml	SST	Gold	
Allergen Food Chocolate	Blood	3.5 ml	SST	Gold	
Allergen Food Cinnamon	Blood	3.5 ml	SST	Gold	
Allergen Food Clam	Blood	3.5 ml	SST	Gold	
Allergen Food Codfish/Whitefish	Blood	3.5 ml	SST	Gold	
Allergen Food Corn	Blood	3.5 ml	SST	Gold	
Allergen Food Crab	Blood	3.5 ml	SST	Gold	
Allergen Food Egg White	Blood	3.5 ml	SST	Gold	
Allergen Food Egg Whole	Blood	3.5 ml	SST	Gold	
Allergen Food Egg Yolk	Blood	3.5 ml	SST	Gold	
Allergen Food Ginger	Blood	3.5 ml	SST	Gold	
Allergen Food Grape	Blood	3.5 ml	SST	Gold	
Allergen Food Hazelnut (Filbert)	Blood	3.5 ml	SST	Gold	
Allergen Food Kiwi	Blood	3.5 ml	SST	Gold	
Allergen Food Lettuce	Blood	3.5 ml	SST	Gold	
Allergen Food Lobster	Blood	3.5 ml	SST	Gold	
Allergen Food Milk (Cow)	Blood	3.5 ml	SST	Gold	
Allergen Food Navy Bean	Blood	3.5 ml	SST	Gold	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Allergen Food Oat	Blood	3.5 ml	SST	Gold	
Allergen Food Orange	Blood	3.5 ml	SST	Gold	
Allergen Food Peanut	Blood	3.5 ml	SST	Gold	
Allergen Food Pecan	Blood	3.5 ml	SST	Gold	
Allergen Food Pork	Blood	3.5 ml	SST	Gold	
Allergen Food Potato	Blood	3.5 ml	SST	Gold	
Allergen Food Rice	Blood	3.5 ml	SST	Gold	
Allergen Food Rye	Blood	3.5 ml	SST	Gold	
Allergen Food Salmon	Blood	3.5 ml	SST	Gold	
Allergen Food Scallop	Blood	3.5 ml	SST	Gold	
Allergen Food Shrimp	Blood	3.5 ml	SST	Gold	
Allergen Food Soybean	Blood	3.5 ml	SST	Gold	
Allergen Food Squid	Blood	3.5 ml	SST	Gold	
Allergen Food Strawberry	Blood	3.5 ml	SST	Gold	
Allergen Food Tomato	Blood	3.5 ml	SST	Gold	
Allergen Food Tuna	Blood	3.5 ml	SST	Gold	
Allergen Food Walnut	Blood	3.5 ml	SST	Gold	
Allergen Food Wheat	Blood	3.5 ml	SST	Gold	
Allergen Fungi/Mold Hormodendrum	Blood	3.5 ml	SST	Gold	
Allergen Fungi/Mold Penicillium notatum	Blood	3.5 ml	SST	Gold	
Allergen Grasses Alfalfa	Blood	3.5 ml	SST	Gold	
Allergen Grasses Bermuda	Blood	3.5 ml	SST	Gold	
Allergen Grasses June/Kentucky Blue	Blood	3.5 ml	SST	Gold	
Allergen Grasses Meadow Fescue	Blood	3.5 ml	SST	Gold	
Allergen Grasses Orchard/Cocksfoot	Blood	3.5 ml	SST	Gold	
Allergen Grasses Perennial Rye	Blood	3.5 ml	SST	Gold	
Allergen Grasses Timothy	Blood	3.5 ml	SST	Gold	
Allergen House Dust Stier	Blood	3.5 ml	SST	Gold	
Allergen Insect Cockroach American	Blood	3.5 ml	SST	Gold	
Allergen Mites D farinae	Blood	3.5 ml	SST	Gold	
Allergen Mites D pteronyssinus	Blood	3.5 ml	SST	Gold	
Allergen Mites Lepidoglyphus destructor	Blood	3.5 ml	SST	Gold	
Allergen Occupational Latex	Blood	3.5 ml	SST	Gold	
Allergen Parasite Ascaris	Blood	3.5 ml	SST	Gold	
Allergen Trees Cottonwood	Blood	3.5 ml	SST	Gold	
Allergen Trees Elm	Blood	3.5 ml	SST	Gold	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Allergen Trees Mountain Cedar	Blood	3.5 ml	SST	Gold	
Allergen Trees Oak	Blood	3.5 ml	SST	Gold	
Allergen Trees Olive	Blood	3.5 ml	SST	Gold	
Allergen Trees Walnut	Blood	3.5 ml	SST	Gold	
Allergen Trees White Mulberry	Blood	3.5 ml	SST	Gold	
Allergen Weed English Plantain	Blood	3.5 ml	SST	Gold	
Allergen Weed Pigweed	Blood	3.5 ml	SST	Gold	
Allergen Weed Russian Thistle	Blood	3.5 ml	SST	Gold	
Allergen Weed Sagebrush/Wormwood	Blood	3.5 ml	SST	Gold	
Allergen Weed Sheep Sorrel	Blood	3.5 ml	SST	Gold	
Allergen Weed Western Ragweed	Blood	3.5 ml	SST	Gold	
Allergens Profile Dog/Cat Epithelium	Blood	3.5 ml	SST	Gold	
Allergens Profile Dust/Mite	Blood	3.5 ml	SST	Gold	
Allergens Profile Food Common Adult	Blood	3.5 ml	SST	Gold	
Allergens Profile Food Comprehensive 1	Blood	3.5 ml	SST	Gold	
Allergens Profile Inh California Pollen	Blood	3.5 ml	SST	Gold	
Allergens Profile Inh Southwest Extend	Blood	3.5 ml	SST	Gold	
Allergens Profile Inh/Fd Comprehensive1	Blood	3.5 ml	SST	Gold	
Allergens Profile Inh/Fd Pacific NW	Blood	3.5 ml	SST	Gold	
Allergens Profile Inh/Fd Pediatric	Blood	3.5 ml	SST	Gold	
Allergens Profile Inh/Fd Western	Blood	3.5 ml	SST	Gold	
Allergens URD Reg13	Blood	3.5 ml	SST	Gold	
Allergens URD Reg14 Central CA Valley	Blood	3.5 ml	SST	Gold	
Allergens URD Reg17 Cascade PNW	Blood	3.5 ml	SST	Gold	
ALP Alkaline Phosphatase	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
ALP Alkaline Phos Bone Specific	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
ALP Alkaline Phos Isoenzymes	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Alpha 1 Antitrypsin	Blood	3.5 ml	SST	Gold	
Alpha 1 Antitrypsin Phenotype	Blood	3.5 ml	SST	Gold	
Alpha 2 Antiplasmin Activity	Blood	2.7 ml	Sodium Citrate	Blue	
Alpha 2 Macroglobulin	Blood	3.5 ml	SST	Gold	
Alpha-1-Microglobulin, Urine	Urine	24 hour collection	Urine Jug		
ALT Alanine Aminotransferase	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Aluminum Level	Blood	6.0 ml	Royal Blue K2EDTA	Royal Blue	
Amikacin Level Peak	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Amikacin Level Random	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Amikacin Level Trough	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Amino Acids Qnt CSF	Blood	2.7 ml	CSF Tube	Sterile Contailer	
Amino Acids Qnt Plasma	Blood	3.0 ml	Lithium Heparin	Green	
Amino Acids Qnt Urine Random	Urine	24 hour collection	Urine Jug		
Aminolevulinic Acid Urine 24Hr	Urine	24 hour collection	Urine Jug		
Amiodarone Level w Metabolite	Blood	5.0 ml	No Additive	Red	
Amitriptyline Level w Nortriptyline	Blood	5.0 ml	No Additive	Red	
Ammonia Level Plasma	Blood	3.0 ml	Lithium Heparin	Green	On ice, deliver immediately to lab
Amobarbital Level	Blood	5.0 ml	No Additive	Red	
Amphet/Meth wMetab Urine Confirm/Qnt* Random	Urine	10.0 ml	Sterile Specimen Cup		
Amphetamine+Methamphetamine Levels	Blood	4.0 ml	K2 EDTA	Lavender	
Amphetamines Meconium Confirm	Meconium	All meconium	Sterile Specimen Cup		All meconium (blackish material) excreted until milk/formula based stool (yellow-green) appears.
Amylase Isoenzymes	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Amylase Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Amylase Level Body Fluid	Body Fluid	1.0 ml	No Additive	Red	
Amylase Level Urine 12Hr	Urine	12 hour collection	Urine Jug		
Amylase Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
Amylase Level Urine Random	Urine	10.0 ml	Urine Cup		
ANA AntiNuclear Antibody	Blood	3.5 ml	SST	Gold	
ANA Antibody Titer*	Blood	3.5 ml	SST	Gold	
ANA Antibody Titer**	Blood	3.5 ml	SST	Gold	
ANA AntiNuclear Ab w Rflx dsDNA+ENA	Blood	3.5 ml	SST	Gold	
ANCA Neutrophil Cytoplas Ab IgG	Blood	3.5 ml	SST	Gold	
ANCA Neutrophil Cytoplas Ab w Rflx	Blood	3.5 ml	SST	Gold	
ANCA MPO + PR3 Antibodies	Blood	3.5 ml	SST	Gold	
ANCA MPO Myeloperoxidase Antibody	Blood	3.5 ml	SST	Gold	
ANCA PR3 Serine Protease 3 Antibody	Blood	3.5 ml	SST	Gold	
Androstenedione Level	Blood	3.5 ml	SST	Gold	
Angiotensin Converting Enzyme	Blood	2.0 ml	SST	Gold	
Antibody ID	Blood	7.0 mL	K2 EDTA	Pink	
Antibody Screen 3 Cell	Blood	7.0 mL	K2 EDTA	Pink	
Antibody Titer	Blood	7.0 mL	K2 EDTA	Pink	
Antifungal Lvl 5 Fluorocytosine	Blood	5.0 ml	No Additive	Red	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
					Diet, medication, and nutritional supplements may introduce interfering substances. Patient should be encouraged to discontinue nutritional supplements, vitamins, minerals, and non-essential over-the-counter medications (upon the advice of their physician).
Antimony Level Whole Blood	Blood	6.0 ml	Royal Blue K2EDTA	Royal Blue	
AntiNeutrophil Antibody	Blood	5.0 ml	No Additive	Red	
Antithrombin Antigen (III)	Blood	2.7 ml	Sodium Citrate	Blue	
Antithrombin Level (III) Activity	Blood	2.7 ml	Sodium Citrate	Blue	
Antithrombin Panel (AT3+AT3 Ag)	Blood	2.7 ml	Sodium Citrate	Blue	
Apolipoprotein B/A Ratio	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Apolipoprotein A-1	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Apolipoprotein B	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Arsenic Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
					Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patient should be encouraged to discontinue nutritional supplements, vitamins, minerals, and non-essential over-the-counter medications (upon the advice of their physician) and avoid shellfish and seafood for 48 to 72 hours.
Arsenic Level Whole Blood	Blood	6.0 ml	Royal Blue K2EDTA	Royal Blue	
Arsenic Urine Fractionated	Urine	24 hour collection	Urine Jug		
ASO AntiStreptolysinO Antibody	Blood	3.5 ml	SST	Gold	
Aspergillus Antibodies CF+ID	Blood	3.5 ml	SST	Gold	
Aspergillus Antibody CF	Blood	3.5 ml	SST	Gold	
Aspergillus Antibody ID	Blood	3.5 ml	SST	Gold	
Aspergillus Galactomannan Antigen	Blood	5.0 ml	No Additive	Red	
AST Aspartate Aminotransferase	Blood	3.5 ml	SST	Gold	
B Type Natriuretic Peptide BNP	Blood	4.0 ml	K2 EDTA	Lavender	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Babesia microti Antibodies IgG+IgM	Blood	3.5 ml	SST	Gold	
Barbiturates Panel Blood	Blood	5.0 ml	No Additive	Red	
Barbiturates Meconium Confirm	Meconium	All meconium	Sterile Specimen Cup		Collect: All meconium (blackish material) excreted until milk/formula based stool (yellow-green) appears.
Barbiturates Urine Confirm/Qnt*	Urine	10.0 ml	Sterile Specimen Cup		
Bartonella Antibodies IgG+IgM	Blood	3.5 ml	SST	Gold	
Bartonella henselae Antibody IgG	Blood	3.5 ml	SST	Gold	
Bartonella henselae Antibody IgM	Blood	3.5 ml	SST	Gold	
Basic Metabolic Panel BMP	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Basic Metabolic Panel BMP Fasting	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
BCell CD 20 Expression*	Blood	3.0 ml	Lithium Heparin	Green	
bcr/abl t(9;22) Quantitative RT-PCR	Blood	4.0 ml	K2 EDTA	Lavender	
bcr/abl t(9;22) Quantitative RT-PCR	Bone Marrow	4.0 ml	K2 EDTA	Lavender	
Bence Jones Qnt Free K&L LC Urine 24Hr	Urine	24 hour collection	Urine Jug		
Bence Jones Qnt Free Kappa LC Urine24Hr	Urine	24 hour collection	Urine Jug		
Bence Jones Qual Free K&L LC Urine 24Hr	Urine	24 hour collection	Urine Jug		
Benzodiazepine Meconium Confirm	Meconium	All meconium	Sterile Specimen Cup		Collect: All meconium (blackish material) excreted until milk/formula based stool (yellow-green) appears.
Benzodiazepines Bld Confirm*	Blood	4.0 ml	Sodium Fluoride/ Potassium Oxalate	Gray	
Benzodiazepines Urine Confirm/Qnt*	Urine	24 hour collection	Urine Jug		
Beta Hydroxybutyrate Acid (BHOB)	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Beta 2 Glycoprotein1 Ab Panel	Blood	3.5 ml	SST	Gold	
Beta 2 Glycoprotein1 Ab IgA	Blood	3.5 ml	SST	Gold	
Beta 2 Microglobulin	Blood	3.5 ml	SST	Gold	
Beta 2 Microglobulin CSF	CSF	2.0 ml	CSF Tube		
Beta 2 Microglobulin Urine	Urine	10.0 ml	Sterile Specimen Cup		Patient Prep: Void the urinary bladder, then drink a large glass of water and collect a urine specimen within 1 hour
Bicarbonate Urine	Urine	10.0 ml	Sterile Specimen Cup(tightly sealed)		

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Bile Acids Total	Blood	3.5 ml	SST	Gold	
Bilirubin Total+Direct	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Bilirubin Direct	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Bilirubin Scan Amniotic Fluid	Fld Amniotic	5.0 ml	BF Tube		
Bilirubin Total	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Bilirubin Total Body Fluid Ref	Body Fluid	2.0 ml	Sterile Specimen Cup		
Bismuth Level Whole Blood	Blood	6.0 ml	Royal Blue K2EDTA	Royal Blue	
BK Virus, Quantitative by PCR	Blood	4.0 ml	K2 EDTA	Lavender	
BK Virus, Quantitative by PCR	Bone Marrow	4.0 ml	K2 EDTA	Lavender	
Blastomyces Antibodies CF+ID	Blood	3.5 ml	SST	Gold	
Blastomyces Antibody CF	Blood	3.5 ml	SST	Gold	
Blastomyces Antibody ID	Blood	3.5 ml	SST	Gold	
				Must be tested within 30 minutes	
Blood Gases Arterial - Lab/RT	Blood Arterial	1.0 ml	Heparin		Keep On Ice; In or Outpatient setting
Blood Gases Capillary - Lab/RT	Blood Capillary	1.0 ml	Heparin		Keep On Ice; Inpatient setting
Blood Gases Cord Arterial - Lab/RT	Blood Cord Arterial	1.0 ml	Heparin		Keep On Ice; Inpatient setting
Blood Gases Cord Venous - Lab/RT	Blood Cord Venous	1.0 ml	Heparin		Keep On Ice; Inpatient setting
Blood Gases Mixed Venous - Lab/RT	Blood Mixed Venous	1.0 ml	Heparin		Keep On Ice; Inpatient setting
Blood Gases Other - Lab/RT	Other (Specify)	1.0 ml	Heparin		Keep On Ice; Inpatient setting
Blood Gases Pleural Fld pH - Lab/RT	Fld Chest/Pleural	1.0 ml	Heparin		Keep On Ice; In or Outpatient setting
Blood Gases Venous - Lab/RT	Blood Venous	1.0 ml	Heparin		Keep On Ice; Inpatient setting
Bordetella Antibodies IgA+IgG	Blood	3.5 ml	SST	Gold	
Bordetella Antibodies IgA+IgG+IgM	Blood	3.5 ml	SST	Gold	
Bordetella Antibodies IgG+IgM	Blood	3.5 ml	SST	Gold	
Bordetella Antibody IgG	Blood	3.5 ml	SST	Gold	
					Collect: Nasal aspirate or washing or nasopharyngeal swab.
Bordetella pertussis DFA	Specify	1.0 g	Sterile Specimen Cup		

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Bordetella pertussis PCR	Specify	1.0 ml	Sterile Specimen Cup	M4	Collect: Respiratory specimens on rayon or Dacron® swab, or direct respiratory specimen such as BAL, respiratory aspirate, or sputum. Specimen source is required.
Bordetella pertussis/parapertussis PCR	Specify	1.0 ml	Sterile Specimen Cup	M4	Collect: Respiratory specimens on rayon or Dacron® swab, or direct respiratory specimen such as BAL, respiratory aspirate, or sputum. Specimen source is required.
Bromide Level	Blood	5.0 ml	No Additive	Red	
Brucella Total Antibody Agglutination	Blood	3.5 ml	SST	Gold	
BUN Blood Urea Nitrogen	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
C Chlamydia Trachomatis	Specify	1	Swab (add color of swab)		Collect: Cervical, eye, rectal, urethral swab, or peritoneal fluid. Also acceptable for newborns: Nasopharyngeal aspirate, swab or washing.
C Peptide Level	Blood	3.5 ml	SST	Gold	
C1 Esterase Inhibitor	Blood	3.5 ml	SST	Gold	
C1 Esterase Inhibitor Functional	Blood	3.5 ml	SST	Gold	
C1 Esterase Inhibitor Panel	Blood	3.5 ml	SST	Gold	
C1Q Binding Assay Complement	Blood	5.0 ml	No Additive	Red	
CA 125 Cancer Antigen Ovarian	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
CA 15-3 Cancer Antigen Breast	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
CA 19-9 Cancer Antigen GI Tract	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
CA 27.29 Cancer Antigen Breast II/III	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Cadmium Level	Blood	6.0 ml	Royal Blue K2EDTA	Royal Blue	Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals, non-essential over-the-counter medications (upon the advice of their physician).
Cadmium Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
Caffeine Level	Blood	5.0 ml	No Additive	Red	For Babies collect 2 Red pediatric tubes filled up to the shaded area.
Calcitonin Level	Blood	3.5 ml	SST	Gold	
Calcium Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Calcium Level Ionized	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Calcium Level Urine 12Hr	Urine	12 hour collection	Urine Jug		
Calcium Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
Calcium Level Urine 24Hr Referral	Urine	24 hour collection	Urine Jug		
Calcium Level Urine Random	Urine	10.0 ml	Sterile Specimen Cup		
Calculi/Stone Analysis	Stool	5.0 g	Sterile Specimen Cup		
California Encephalitis Antibody IgG	Blood	3.5 ml	SST	Gold	
Calprotectin Fecal	Stool	5.0 g	Sterile Specimen Cup		
Candida Antibodies IgA+IgG+IgM	Blood	3.5 ml	SST	Gold	
Candida Antibody ID	Blood	3.5 ml	SST	Gold	
Candida Antigen	Blood	3.5 ml	SST	Gold	
Cannabinoids/THC Urine Confirm/Qnt*	Urine	10.0 ml	Sterile Specimen Cup		
Cannabonoids Meconium Confirm	Meconium	All Meconium	Sterile Specimen Cup		Collect: All meconium (blackish material) excreted until milk/formula based stool (yellow-green) appears.
Carbamazepine Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Carbamazepine Level Free+Total	Blood	5.0 ml	No Additive	Red	
Carbidopa-Levodopa Level	Blood	5.0 ml	No Additive	Red	
Carbon Dioxide CO2 Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Carboxyhemoglobin Whole Blood	Blood	4.0 ml	Sodium Heparin	Dark Green	Collect: Green (sodium or lithium heparin). Do not collect by finger stick or heel stick. Collect Sunday-Thursday only.
Cardiolipin Antibodies IgA+IgG+IgM	Blood	3.5 ml	SST	Gold	
Cardiolipin Antibodies IgG+IgM	Blood	3.5 ml	SST	Gold	
Cardiolipin Antibody IgA	Blood	3.5 ml	SST	Gold	
Cardiolipin Antibody IgG	Blood	3.5 ml	SST	Gold	
Cardiolipin Antibody IgM	Blood	3.5 ml	SST	Gold	
Carisoprodol Level w Meprbamate	Blood	5.0 ml	No Additive	Red	
Carnitine Level Free+Total	Blood	3.0 ml	Lithium Heparin	Green	
Carnitine Level Free	Blood	3.0 ml	Lithium Heparin	Green	
Carnitine Level Total	Blood	3.0 ml	Lithium Heparin	Green	
Carotene Level	Blood	3.5 ml	SST	Gold	
Catecholamines Free Urine 24Hr	Urine	24 hour collection	Urine Jug		
Catecholamines Plasma (Epi+Norepi)	Blood	3.0 ml	Lithium Heparin	Green	
Catecholamines Plasma (Epi+Norepi+Dopa)	Blood	3.0 ml	Lithium Heparin	Green	
CBC w Differential	Blood	4.0 ml	K2 EDTA	Lavender	
CBC w Mandatory Manual Diff*	Blood	4.0 ml	K2 EDTA	Lavender	
CBC w/o Differential	Blood	4.0 ml	K2 EDTA	Lavender	
CEA Carcinoembryonic Antigen	Blood	3.5 ml	SST	Gold	
Celiac Disease Reflexive Panel	Blood	3.5 ml	SST	Gold	
Cell Count w Diff Body Fluid	Body Fluid	2.0 ml	K2 EDTA	Lavender	
Cell Count w Diff CSF	CSF	2.0 ml	CSF Tube		
Cell Differential BAL/Bronch Wash FRH	BAL	5.0 ml	Sterile Specimen Cup		
Centromere Antibody IgG	Blood	3.5 ml	SST	Gold	
Ceruloplasmin Level	Blood	3.5 ml	SST	Gold	
Chlamydia + Gonorrhea (Amplified Det)	Specify	1	See " Special Handling"	APTIMA	Collect: Endocervical or vaginal swab, first catch urine, or male urethral swabs.
Chlamydia + Gonorrhea (APTIMA®) on SureP	Urethra	1	Swab		
Chlamydia + Gonorrhea (APTIMA®, Thin Pre	Cervix	1	Swab		
Chlamydia Antibody Panel IgG+IgM	Blood	3.5 ml	SST	Gold	
Chlamydia Antibody Panel IgG	Blood	3.5 ml	SST	Gold	
Chlamydia Antibody Panel IgM	Blood	3.5 ml	SST	Gold	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Chlamydia pneumoniae PCR*	Specify	1.0 g	Sterile Specimen Cup		Collect: Respiratory specimen: Bronchoalveolar lavage (BAL), nasal wash, nasopharyngeal swab, or pleural fluid.
Chlamydia trachomatis (Amplified Det)	Specify	1	Special		Collect: Endocervical or vaginal swab, first catch urine, or male urethral swabs .
Chlamydia trachomatis DFA	Specify	1	Swab		Collect Eye, genital, nasopharyngeal, or rectal swab.
Chloramphenicol Level	Blood	5.0 ml	No Additive	Red	
Chlordiazepoxide Level w Nordiazepam	Blood	5.0 ml	No Additive	Red	
Chloride Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Chloride Level Body Fluid *	Body Fluid	1.0 ml	No Additive	Red	
Chloride Level Urine 12Hr	Urine	12 hour collection	Urine Jug		
Chloride Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
Chloride Level Urine Random	Urine	10.0 ml	Sterile Specimen Cup		
Chlorpromazine Level	Blood	5.0 ml	No Additive	Red	
Cholesterol Body Fluid	Body Fluid	1.0 ml	No Additive	Red	
Cholesterol Total	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Cholesterol VAP(TM)	Blood	3.5 ml	SST	Gold	
Cholinesterase RBC/Hb Ratio	Blood	4.0 ml	K2 EDTA	Lavender	
Cholinesterase Total	Blood	3.5 ml	SST	Gold	
					Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals, and non-essential over-the-counter medications (upon the advice of their physician).
Chromium Level	Blood	6.0 ml	Royal Blue (No Additive)	Royal Blue	
Chromium Level Urine 24 Hr	Urine	24 hour collection	Urine Jug		
Chromogranin A	Blood	3.5 ml	SST	Gold	
Chromosome Analysis-Bone Marrow	Bone Marrow	6.0 ml	Sodium Heparin	Dark Green	
Chromosome Analysis-FISH Metaphase	Bone Marrow	6.0 ml	Sodium Heparin	Dark Green	
Chromosome Analysis-Fragile X	Blood	4.0 ml	K2 EDTA	Lavender	
Chromosome Analysis-Leukemic Bld	Blood	6.0 ml	Sodium Heparin	Dark Green	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Chromosome Analysis-Peripheral Bld	Blood	3.0 ml	Sodium Heparin	Dark Green	
Chromosome Analysis-Prod of Conception	Product-of-Conception	1	RPMI solution		
Citric Acid Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
CK Isoenzymes*	Blood	3.5 ml	SST	Gold	
CKMB Assay (MB+Index)	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Clomipramine Level w Norclomipramine	Blood	5.0 ml	No Additive	Red	
Clonazepam Level	Blood	5.0 ml	No Additive	Red	
Clozapine Level w Norclozapine	Blood	5.0 ml	No Additive	Red	
Cocaine Meconium Confirm	Meconium	All meconium	Sterile Specimen Cup		Collect: All meconium (blackish material) excreted until milk/formula based stool (yellow-green) appears.
Cocaine Metabolite Urine Confirm/Qnt*	Urine	10.0 ml	Sterile Specimen Cup		
Coccidioides Antibodies IgG+IgM	CSF	2.0 ml	CSF Tube		
Coccidioides Antibodies IgG+IgM	Blood	3.5 ml	SST	Gold	
Coccidioides Antibodies Panel	Blood	3.5 ml	SST	Gold	
Coccidioides Antibodies Panel CSF	CSF	2.0 ml	CSF Tube		
Coccidioides Antibody	CSF	2.0 ml	CSF Tube		
Coccidioides Antibody	Blood	3.5 ml	SST	Gold	
Coccidioides Antibody ID	CSF	2.0 ml	CSF Tube		
Coccidioides Antibody ID	Blood	3.5 ml	SST	Gold	
Coccidioides Antibody IgG	CSF	2.0 ml	CSF Tube		
Coccidioides Antibody IgG	Blood	3.5 ml	SST	Gold	
Coccidioides Antibody IgM	CSF	2.0 ml	CSF Tube		
Coccidioides Antibody IgM	Blood	3.5 ml	SST	Gold	
Coenzyme Q10 Level	Blood	3.5 ml	SST	Gold	
Complement Activity Total	Blood	5.0 ml	No Additive	Red	
Complement Component 2	Blood	3.5 ml	SST	Gold	
Complement Component 3	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Complement Component 4	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Complement Components 3 & 4	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Comprehensive Metabolic Panel CMP	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Comprehensive Metabolic Panel CMP Fastin	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Copper Level	Blood	6.0 ml	Royal Blue K2EDTA	Royal Blue	Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals, and non-essential over-the-counter medications (upon the advice of their physician).
Copper Level Urine 24Hr	Urine	24 hour collection	Urine Jug		Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals, and non-essential over-the-counter medications (upon the advice of their physician). High concentrations of iodine may interfere with elemental testing. Abstinence from iodine-containing medications or contrast agents for at least 1 month prior to collecting specimens for elemental testing is recommended.
Cord Blood Hold	Blood	0.5 mL	K2 EDTA / Cord Blood	Lavender Micro Tube	
Cortisol 0 Min-ACTH Stimulation	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Cortisol 30 Min-ACTH Stimulation	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Cortisol 60 Min-ACTH Stimulation	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Cortisol Free Urine 24Hr Referral	Urine	24 hour collection	Urine Jug		
Cortisol Level Random	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Cortisol, Serum Free	Blood	5.0 ml	No Additive	Red	
Coxiella burnetii Ab IgG Phase I+II	Blood	3.5 ml	SST	Gold	
Coxsackie A9 Virus Antibodies	Blood	3.5 ml	SST	Gold	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Coxsackie B Virus Antibodies	CSF	2.0 ml	CSF Tube		
Coxsackie B Virus Antibodies	Blood	3.5 ml	SST	Gold	
Creat/Hrs/Vol Ur Coll 12 Hours*	Urine	12 hour collection	Urine Jug		
Creat/Hrs/Vol Urine Collection*	Urine	24 hour collection	Urine Jug		
Creatine Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Creatine Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
Creatinine Clearance	Urine	24 hour collection	Urine Jug		
Creatinine Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Creatinine Level Body Fluid	Body Fluid	1.0 ml	No Additive	Red	
Creatinine Urine 12Hr	Urine	12 hour collection	Urine Jug		
Creatinine Urine 24Hr	Urine	24 hour collection	Urine Jug		
Creatinine Urine Random	Urine	10.0 ml	Sterile Specimen Cup		
CRP CReactive Protein	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
CRPhs CReactive Protein HighSensitivity	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Cryoglobulin Qual w Qnt IF Indicated	Blood	5.0 ml	No Additive	Red	
Cryoglobulin Qualitative	Nasopharyngeal	1	Swab		
Cryoprecipitate Order	Blood	7 mL	K2 EDTA	Pink	
Cryptococcus Antibody	Blood	3.5 ml	SST	Gold	
Cryptococcus Antigen Screen CSF	CSF	2.0 ml	CSF Tube		
Cryptosporidium Exam Direct	Rectal	1	Sterile Specimen Cup		
Cryptosporidium Exam Direct	Stool	5.0 g	Sterile Specimen Cup		
Crystals Exam Body Fluid	Body Fluid	2.0 ml	Plain Red No additives	Purple Top	
Crystals Exam CSF	CSF	2.0 ml	Plain Red No additives	Purple Top	
Crystals Exam CSF	CSF	2.0 ml	Plain Red No additives	Purple Top	
Culture Bordetella pertussis Ref	Urethra	1	Swab		
Culture Clostridium difficile*	Stool	5.0 g	Sterile Specimen Cup		
Culture Cytomegalovirus CMV	Blood	4.0 ml	K2 EDTA	Lavender	
Culture Cytomegalovirus CMV	BAL	5.0 ml	Micro Spec		
Culture Cytomegalovirus CMV	Bronchial Wash	1	Micro Spec		
Culture Cytomegalovirus CMV	Throat	1	Swab		
Culture Herpes Simplex HSV	Bartholin Cyst	1	Micro Spec		
Culture Herpes Simplex HSV	Cervix	1	Micro Spec		
Culture Herpes Simplex HSV	Endocervical	1	Micro Spec		
Culture Herpes Simplex HSV	Endometrial	1	Micro Spec		
Culture Herpes Simplex HSV	Genital (Specify)	1	Micro Spec		
Culture Herpes Simplex HSV	Lip	1	Micro Spec		
Culture Herpes Simplex HSV	Other (Specify)	1	Micro Spec		
Culture Herpes Simplex HSV	Penis	1	Micro Spec		

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Culture Herpes Simplex HSV	Prostate	1	Micro Spec		
Culture Herpes Simplex HSV	Urine	10.0 ml	Micro Spec		
Culture Herpes Simplex HSV	Vaginal	1	Micro Spec		
Culture Herpes Simplex HSV	Vesicle	1	Micro Spec		
Culture Herpes Simplex HSV	Tissue (Specify)	1	Sterile Specimen Cup		
Culture Herpes Simplex HSV	Urethra	1	Swab		
Culture HSV Referral wRflx HSV Typing	Vulva	1	Micro Spec		
Culture HSV Referral wRflx HSV Typing	Rectal	1	Sterile Specimen Cup		
Culture Influenza A+B Referral	BAL	5.0 ml	Micro Spec		
Culture Influenza A+B Referral	Nasopharyngeal	1	Micro Spec		
Culture Influenza A+B Referral	Other (Specify)	1	Micro Spec		
Culture Influenza A+B Referral	Rectal	1	Sterile Specimen Cup		
Culture Influenza A+B Referral	Sputum	1.0 ml	Sterile Specimen Cup		
Culture Legionella	Blood	3.0 ml	Lithium Heparin	Green	
Culture Legionella	Abscess (Specify)	1	Micro Spec		
Culture Legionella	BAL	5.0 ml	Micro Spec		
Culture Legionella	Bronchial Brush	1	Micro Spec		
Culture Legionella	Bronchial Wash	1	Micro Spec		
Culture Legionella	Endotracheal	1	Micro Spec		
Culture Legionella	ET Neonatal	1	Micro Spec		
Culture Legionella	Fld Chest/Pleural	5.0 ml	Micro Spec		
Culture Legionella	Sputum	1.0 ml	Sterile Specimen Cup		
Culture Legionella	Sputum Induced	1.0 ml	Sterile Specimen Cup		
Culture Legionella	Tissue (Specify)	1	Sterile Specimen Cup		
Culture Legionella	Tracheal Aspirate	2.0 ml	Sterile Specimen Cup		
Culture Legionella	Throat	1	Swab		
Culture Leptospira	CSF	2.0 ml	CSF Tube		
Culture Leptospira	Bone Marrow	4.0 ml	K2 EDTA	Lavender	
Culture Leptospira	Urine	50.0 ml	Micro Spec		
Culture Ureaplasma	CSF	2.0 ml	CSF Tube		
Culture Ureaplasma	Biopsy (Specify)	1	Micro Spec		
Culture Ureaplasma	Cervix	1	Micro Spec		
Culture Ureaplasma	Fld Abdom/Peritoneal	1	Micro Spec		
Culture Ureaplasma	Fld Amniotic	5.0 ml	Micro Spec		
Culture Ureaplasma	Fld Chest/Pleural	2.0 ml	Micro Spec		
Culture Ureaplasma	Fld Cyst (Specify)	1	Micro Spec		

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Culture Ureaplasma	Fld Joint/Synovial (Specify)	2.0 ml	Micro Spec		
Culture Ureaplasma	Fld Pericardial	2.0 ml	Micro Spec		
Culture Ureaplasma	Fluid (Specify)	2.0 ml	Micro Spec		
Culture Ureaplasma	Nasopharyngeal	2.0 ml	Micro Spec		
Culture Ureaplasma	Other (Specify)	1	Micro Spec		
Culture Ureaplasma	Urine	10.0 ml	Micro Spec		
Culture Ureaplasma	Semen	1	Sterile Specimen Cup		
Culture Ureaplasma	Tracheal Aspirate	2.0 ml	Sterile Specimen Cup		
Culture Ureaplasma	Urethra	1	Swab		
Culture Virus	CSF	2.0 ml	CSF Tube		
Culture Virus	BAL	5.0 ml	Micro Spec		
Culture Virus	Blood	5.0 ml	Micro Spec		
Culture Virus	Bone	1	Micro Spec		
Culture Virus	Bronchial Brush	1	Micro Spec		
Culture Virus	Bronchial Wash	1	Micro Spec		
Culture Virus	Eye/Conjunctiva	1	Micro Spec		
Culture Virus	Lesion	1	Micro Spec		
Culture Virus	Other (Specify)	1	Micro Spec		
Culture Virus	Urine	10.0 ml	Micro Spec		
Culture Virus	Blood	6.0 ml	Sodium Heparin	Dark Green	
Culture Virus	Stool	5.0 g	Sterile Specimen Cup		
Culture Virus	Tissue (Specify)	1	Sterile Specimen Cup		
Culture Virus	Tracheal Aspirate	2.0 ml	Sterile Specimen Cup		
Cyanide Level	Blood	3.0 ml	Sodium Heparin	Dark Green	
Cyclic AMP Plasma	Blood	4.0 ml	K2 EDTA	Lavender	
Cyclic AMP Urine Random/24Hr	Urine	24 hour collection	Urine Jug		
Cyclic Citrullinated Peptide Ab IgG	Blood	3.5 ml	SST	Gold	
Cyclosporine Level	Blood	4.0 ml	K2 EDTA	Lavender	
Cystatin C	Blood	3.5 ml	SST	Gold	
Cystic Fibrosis 32 Mutation Panel	Blood	4.0 ml	K2 EDTA	Lavender	
Cysticercosis Antibody IgG	Blood	3.5 ml	SST	Gold	
Cysticercosis Antibody IgG CSF	CSF	2.0 ml	CSF Tube		
Cystine Level Urine Qnt	Urine	24 hour collection	Urine Jug		
Cytokeratin Antibodies	Blood	3.5 ml	SST	Gold	
Cytomegalovirus Antibodies IgG+IgM	Blood	3.5 ml	SST	Gold	
Cytomegalovirus Antibody IgG	Blood	3.5 ml	SST	Gold	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Cytomegalovirus Antibody IgM	Blood	3.5 ml	SST	Gold	
Cytomegalovirus DNA Qnt PCR	Blood	4.0 ml	K2 EDTA	Lavender	
D Dimer Quantitative	Blood	2.7 ml	Sodium Citrate	Blue	
Dengue Fever Antibody IgG+IgM	Blood	3.5 ml	SST	Gold	
Dengue Fever Antibody IgG	Blood	3.5 ml	SST	Gold	
Des gamma carboxy Prothrombin	Blood	3.5 ml	SST	Gold	
Desipramine Level	Blood	5.0 ml	No Additive	Red	
DHEA Dehydroepiandrosterone	Blood	3.5 ml	SST	Gold	
DHEAS Dehydroepiandrosterone Sulfate	Blood	3.5 ml	SST	Gold	
Diazepam Level w Nordiazepam	Blood	5.0 ml	No Additive	Red	
Differential Pathology Review	Blood	4.0 ml	K2 EDTA	Lavender	
Digitoxin Level*	Blood	5.0 ml	No Additive	Red	
Digoxin Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Dihydrotestosterone DHT Level	Blood	3.5 ml	SST	Gold	
Diluted Russell Venom Time w Reflex	Blood	2.7 ml	Sodium Citrate	Blue	
Diphenhydramine Level	Blood	5.0 ml	No Additive	Red	
Direct Coombs AHG Poly	Blood	7.0 mL	K2 EDTA	Pink	
Direct Coombs IgG (Baby)	Blood	0.5 mL	K2 EDTA / Cord Blood	Lavender Micro Tube	
Disopyramide Level	Blood	5.0 ml	No Additive	Red	
DNA Double Stranded Ab IgG Reflx to dsDN	Blood	3.5 ml	SST	Gold	
DNA ds (Crithidia luciliae) Ab, IgG Tite	Blood	3.5 ml	SST	Gold	
DNA Single Stranded Ab IgG	Blood	3.5 ml	SST	Gold	
DNase-B Antibody	Blood	3.5 ml	SST	Gold	
Doxepin Level w Nordoxepin	Blood	5.0 ml	No Additive	Red	
Drug Screen Blood Therapeutics	Blood	5.0 ml	No Additive	Red	
Drug Screen Urine Panel 9 ARUP	Urine	10.0 ml	Sterile Specimen Cup		
Drug Screen 5 Meconium	Meconium	All meconium	Sterile Specimen Cup		Collect: All meconium (blackish material) excreted until milk/formula based stool (yellow-green) appears.
Drug Screen 7 Meconium	Meconium	All meconium	Sterile Specimen Cup		Collect: All meconium (blackish material) excreted until milk/formula based stool (yellow-green) appears.

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Drug Screen 9 Meconium	Meconium	All meconium	Sterile Specimen Cup		Collect: All meconium (blackish material) excreted until milk/formula based stool (yellow-green) appears.
Drug Screen Amphet/Meth Urine	Urine	10.0 ml	Sterile Specimen Cup		
Drug Screen Amphetamines Urine	Urine	10.0 ml	Sterile Specimen Cup		
Drug Screen Barbiturates Urine	Urine	10.0 ml	Sterile Specimen Cup		
Drug Screen Benzodiazepines Urine	Urine	10.0 ml	Sterile Specimen Cup		
Drug Screen Cannabinoid/THC Urine	Urine	10.0 ml	Sterile Specimen Cup		
Drug Screen Cocaine Urine	Urine	10.0 ml	Sterile Specimen Cup		
Drug Screen Ethanol Urine	Urine	10.0 ml	Sterile Specimen Cup		
Drug Screen LSD Urine	Urine	10.0 ml	Sterile Specimen Cup		
Drug Screen Methadone	Blood	4.0 ml	Sodium Fluoride/ Potassium Oxalate	Gray	
Drug Screen Methadone Urine	Urine	10.0 ml	Sterile Specimen Cup		
Drug Screen Opiates Urine	Urine	10.0 ml	Sterile Specimen Cup		
Drug Screen Phencyclidine Urine	Urine	10.0 ml	Sterile Specimen Cup		
Drug Screen Urine Short 15	Urine	10.0 ml	Sterile Specimen Cup		
Drug Screen Urine with Ethanol 15	Urine	10.0 ml	Sterile Specimen Cup		
Drug Screen Urine without Ethanol 15	Urine	10.0 ml	Sterile Specimen Cup		
Drug Screen w Confirm Serum/Plasma	Blood	4.0 ml	Sodium Fluoride/ Potassium Oxalate	Gray	
E coli Shiga-like Toxin Stool	Stool	5.0 g	Sterile Specimen Cup		
Echinococcus Antibody IgG	Blood	3.5 ml	SST	Gold	
Echovirus Antibodies	CSF	2.0 ml	CSF Tube		
Echovirus Antibodies	Blood	3.5 ml	SST	Gold	
Ehrlichia chaffeensis Abs IgG+IgM	Blood	3.5 ml	SST	Gold	
Electrolytes (Na+K+Cl+CO2+AGap)	Blood	3.5 ml	SST	Gold	
Electrolytes Stool	Stool	5.0 g	Sterile Specimen Cup		
Electrolytes Urine (Na+K)	Urine	10.0 ml	Sterile Specimen Cup		
ENA Antibodies Panel	Blood	3.5 ml	SST	Gold	
ENA RNP Antibody	Blood	3.5 ml	SST	Gold	
ENA Scleroderma (Scl-70) Antibody	Blood	3.5 ml	SST	Gold	
ENA Smith Antibody	Blood	3.5 ml	SST	Gold	
ENA SSA(Ro) Antibody	Blood	3.5 ml	SST	Gold	
ENA SSA+SSB Antibodies	Blood	3.5 ml	SST	Gold	
ENA SSB(La) Antibody	Blood	3.5 ml	SST	Gold	
Encephalitis Panel, CSF w/Rflx	CSF	2.0 ml	CSF Tube		

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Encephalitis Panel, Serum w/Rflx	Blood	3.5 ml	SST	Gold	
Endomysial Antibody IgA wRflx Titer	Blood	3.5 ml	SST	Gold	
Endomysial Antibody, IgA Titer	Blood	3.5 ml	SST	Gold	
Entamoeba histolytica Amebiasis Ab	Blood	3.5 ml	SST	Gold	
Entamoeba histolytica Antigen	Stool	5.0 g	Sterile Specimen Cup		
Enterovirus RT-PCR	CSF	2.0 ml	CSF Tube		
Enterovirus RT-PCR	Blood	4.0 ml	K2 EDTA	Lavender	
Eosinophil Count Total	Blood	4.0 ml	K2 EDTA	Lavender	
Eosinophil Smear Urine	Urine	10.0 ml	Sterile Specimen Cup		
Epidermal/Skin Antibody	Blood	5.0 ml	No Additive	Red	
Epstein Barr Antibody Panel I	Blood	3.5 ml	SST	Gold	
Epstein Barr Antibody Panel II	Blood	3.5 ml	SST	Gold	
Epstein Barr Antibody Nuclear Ag IgG	Blood	3.5 ml	SST	Gold	
Epstein Barr Antibody to Early D Ag IgG	Blood	3.5 ml	SST	Gold	
Epstein Barr Antibody VCA IgG	Blood	3.5 ml	SST	Gold	
Epstein Barr Antibody VCA IgM	Blood	3.5 ml	SST	Gold	
Epstein Barr EBV PCR	CSF	2.0 ml	CSF Tube		
Epstein Barr EBV PCR	Blood	3.5 ml	SST	Gold	
Epstein Barr EBV PCR	Stool	5.0 g	Sterile Specimen Cup		
Epstein Barr EBV PCR	Tissue (Specify)	1	Sterile Specimen Cup		
Erythrocyte Porphyrin WB	Blood	6.0 ml	Royal Blue K2EDTA	Royal Blue	Specimen Preparation: Protect from light within one hour of collection and during storage and shipment
Erythropoietin Level	Blood	3.5 ml	SST	Gold	
ESR	Blood	4.0 ml	K2 EDTA	Lavender	
Estradiol Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Estriol Level	Blood	3.5 ml	SST	Gold	
Estrogen Levels Fractionated	Blood	3.5 ml	SST	Gold	
Estrone Level	Blood	3.5 ml	SST	Gold	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Estronex(TM) Urine 2/16OH EstroRatio*	Urine	10.0 ml	See " Special Handling"		Patient Prep: Patient should fast for eight hours prior to morning urine collection. Restrict fluid intake to three 8 oz glasses or less for 24 hours. Make sure that no more than 8 oz is consumed after 8:00 PM the evening prior to collection. Empty bladder before going to bed.
Ethanol Medical Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Ethanol Urine Confirm/Qnt*	Urine	10.0 ml	Sterile Specimen Cup		
Ethosuximide Level	Blood	5.0 ml	No Additive	Red	
Ethylene Glycol Level	Blood	5.0 ml	No Additive	Red	
Factor 10 Activity (X)*	Blood	2.7 ml	Sodium Citrate	Blue	
Factor 11 Activity (XI)*	Blood	2.7 ml	Sodium Citrate	Blue	
Factor 12 Activity (XII)*	Blood	2.7 ml	Sodium Citrate	Blue	
Factor 5 Activity (V)	Blood	2.7 ml	Sodium Citrate	Blue	
Factor 5 Leiden (V)	Blood	4.0 ml	K2 EDTA	Lavender	
Factor 7 Activity (VII)*	Blood	2.7 ml	Sodium Citrate	Blue	
Factor 8 Activity (VIII)	Blood	2.7 ml	Sodium Citrate	Blue	
Factor 9 Activity (IX)*	Blood	2.7 ml	Sodium Citrate	Blue	
Factor II Activity*	Blood	2.7 ml	Sodium Citrate	Blue	
Fat Fecal Qnt 24/48/72 Hr	Stool	5.0 g	Sterile Specimen Cup		
Fat Fecal Qnt 24Hr	Stool	5.0 g	Sterile Specimen Cup		
Fat Fecal Qnt 48Hr	Stool	5.0 g	Sterile Specimen Cup		
Fat Fecal Qnt 72Hr	Stool	5.0 g	Sterile Specimen Cup		
Fat Fecal Qualitative	Stool	5.0 g	Sterile Specimen Cup		
Fat Stain Body Fluid	Bronchial Wash	5.0 ml	Sterile Specimen Cup		
Fat Stain Body Fluid	Other (Specify)	1	Sterile Specimen Cup		
Fatty Acids Free	Blood	3.5 ml	SST	Gold	
Febrile Antibodies Panel	Blood	3.5 ml	SST	Gold	
Felbamate Level	Blood	5.0 ml	No Additive	Red	
Fentanyl/Metab Urine Conf/Qnt*	Urine	10.0 ml	Sterile Specimen Cup		
Ferritin Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Fetal Bleed Scrn SemiQnt*	Blood	4.0 ml	K2 EDTA	Lavender	
Fetal Fibronectin Qualitative	Cervix	1	FFN Tube		
Fetal Fibronectin Qualitative	Vaginal	1	FFN Tube		
Fetal Lung Maturity Amnio by FP	Fld Amniotic	5.0 ml	BF Tube		

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Fibrin Monomers*	Blood	2.7 ml	Sodium Citrate	Blue	
Fibrin Split Products FSP	Blood	2.7 ml	Sodium Citrate	Blue	
Fibrinogen Level	Blood	2.7 ml	Sodium Citrate	Blue	
Flecainide Level	Blood	5.0 ml	No Additive	Red	
Fluoxetine Level w Norfluoxetine	Blood	5.0 ml	No Additive	Red	
Fluphenazine Level	Blood	5.0 ml	No Additive	Red	
Flurazepam Level	Blood	5.0 ml	No Additive	Red	
Folate Level	Blood	3.5 ml	SST	Gold	
Folate RBC Level	Blood	4.0 ml	K2 EDTA	Lavender	
Francisella tularensis Tularemia Ab	Blood	3.5 ml	SST	Gold	
Fresh Frozen Plasma Order	Blood	7 mL	K2 EDTA	Pink	
Fructosamine Level	Blood	3.5 ml	SST	Gold	
Fructose Semen	Semen	2.0 ml	Sterile Specimen Cup		
FSH Follicle Stim Hormone Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
FSH Follicle Stim Hormone Urine 24Hr	Urine	24 hour collection	Urine Jug		
FSH Level + LH Level	Blood	5.0 ml	No Additive	Gold	
G6PD Gluc6Phos Dehydrogenase Qnt	Blood	4.0 ml	K2 EDTA	Lavender	
Gabapentin Level	Blood	5.0 ml	No Additive	Red	
Ganglioside-Monosialic Acid Ab Panel	Blood	3.5 ml	SST	Gold	
Gastrin Level	Blood	3.5 ml	SST	Gold	
GC N Gonorrhoeae (Amplified Det)	Endocervical	1	Special		
GC N Gonorrhoeae (Amplified Det)	Urethra	1	Special		
GC N Gonorrhoeae (Amplified Det)	Urine	50.0 ml	Special		
Gentamicin Level Peak	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Gentamicin Level Random	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Gentamicin Level Trough	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
GGT Gamma Glutamyl Transferase	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Giardia Antibody Blood	Blood	5.0 ml	No Additive	Red	
Giardia Specific Antigen Stool	Stool	5.0 g	Sterile Specimen Cup		
Gliadin Peptide Antibodies IgA+IgG Deami	Blood	3.5 ml	SST	Gold	
Gliadin Peptide Antibody IgA Deamidated	Blood	3.5 ml	SST	Gold	
Gliadin Peptide Antibody IgG Deamidated	Blood	3.5 ml	SST	Gold	
Glomerular Basemt Memb Ab IgA+IgG IFA	Blood	3.5 ml	SST	Gold	
Glomerular Basemt Memb Ab IgG	Blood	3.5 ml	SST	Gold	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Glomerular Basemt Memb Ab Panel	Blood	3.5 ml	SST	Gold	
Glomerular Filtration Rate Est Referral	Blood	3.5 ml	SST	Gold	
Glucagon Level	Blood	4.0 ml	K2 EDTA	Lavender	
Glucose Level Fasting	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Glucose Level Random	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Glucose Level Body Fluid	Body Fluid	1.0 ml	No Additive	Red	
Glucose Level CSF	CSF	2.0 ml	CSF Tube		
Glucose Level Postprandial 1Hr	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Glucose Level Postprandial 2Hr	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Glucose Level Urine Qnt 24Hr	Urine	24 hour collection	Urine Jug		
Glucose Level Urine Qnt Random	Urine	10.0 ml	Sterile Specimen Cup		
Glutamic Acid Decarboxylase Antibody	Blood	3.5 ml	SST	Gold	
Glutethimide Level	Blood	5.0 ml	No Additive	Red	
GTT Gestational Glucose 3Hr	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
GTT Glucose 1Hr	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
GTT Glucose 2Hr	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
GTT Glucose 3Hr	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
GTT Glucose 4Hr	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
GTT Glucose 5Hr	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
GTT Glucose 6Hr	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
H pylori Antibodies IgA+IgG	Blood	3.5 ml	SST	Gold	
H pylori Antibody IgG	Blood	3.5 ml	SST	Gold	
H pylori Antibody IgM	Blood	3.5 ml	SST	Gold	
H Pylori Breath Test	Breath		BreathTek UBT Ki t(obtain from lab)		
H pylori Antigen Stool	Stool	5.0 g	Sterile Specimen Cup		
Haloperidol Level	Blood	5.0 ml	No Additive	Red	
Haptoglobin Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
hCG Urine Qualitative	Urine	10.0 ml	Sterile Specimen Cup		
hCG Serum Qualitative	Blood	3.5 ml	SST	Gold	
hCG Serum Quantitative Pregnancy	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
hCG Serum Quantitative Tumor Marker	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
HDL High Density Lipoprotein Chol	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Heat Shock Protein 70 IgG WB	Blood	3.5 ml	SST	Gold	
Heavy Metals (3) Blood	Blood	6.0 ml	Royal Blue K2EDTA	Royal Blue	
Heavy Metals (3) Urine 24Hr	Urine	24 hour collection	Urine Jug		

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
					Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals, non-essential over-the-counter medications (upon the advice of their physician), and avoid shellfish and seafood for 48 to 72 hours.
Heavy Metals (4) Blood	Blood	6.0 ml	Royal Blue K2EDTA	Royal Blue	
Heavy Metals (4) Urine 24Hr	Urine	24 hour collection	Urine Jug		
Heavy Metals (6) Urine 24Hr Reflx to Ars	Urine	24 hour collection	Urine Jug		
Hematocrit Hct	Blood	4.0 ml	K2 EDTA	Lavender	
Hematocrit Body Fluid	Body Fluid	1.0 ml	K2 EDTA	Lavender	
Hemochromatosis Mutation PCR	Blood	4.0 ml	K2 EDTA	Lavender	
Hemoglobin + Hematocrit	Blood	4.0 ml	K2 EDTA	Lavender	
Hemoglobin + Hematocrit Body Fluid	Body Fluid	1.0 ml	K2 EDTA	Lavender	
Hemoglobin Body Fluid	Body Fluid	1.0 ml	K2 EDTA	Lavender	
Hemoglobin Evaluation Panel	Blood	4.0 ml	K2 EDTA	Lavender	
Hemoglobin Hb	Blood	4.0 ml	K2 EDTA	Lavender	
Hemoglobin Plasma	Blood	3.0 ml	Sodium Heparin	Dark Green	
Hemoglobin S Evaluation	Blood	4.0 ml	K2 EDTA	Lavender	
Hemosiderin Stain Urine	Urine	10.0 ml	Sterile Specimen Cup		
Heparin Anti-Xa/LMW Heparin	Blood	2.7 ml	Sodium Citrate	Blue	
Heparin Associated Ab Detection	Blood	5.0 ml	No Additive	Red	
Hepatic Function Panel	Blood	3.5 ml	SST	Gold	
Hepatitis A Antibodies Total	Blood	3.5 ml	SST	Gold	
Hepatitis A Antibodies Total+IgM	Blood	3.5 ml	SST	Gold	
Hepatitis A Antibody IgM	Blood	3.5 ml	SST	Gold	
Hepatitis Acute Panel	Blood	3.5 ml	SST	Gold	
Hepatitis B Core Antibodies Total	Blood	3.5 ml	SST	Gold	
Hepatitis B DNA Ultrasensitive Qnt PCR	Blood	3.5 ml	SST	Gold	
Hepatitis B Panel	Blood	3.5 ml	SST	Gold	
Hepatitis B Panel Chronic w Rflx Conf	Blood	3.5 ml	SST	Gold	
Hepatitis B Surface Antibody Qual	Blood	3.5 ml	SST	Gold	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Hepatitis B Surface Antibody Qnt	Blood	3.5 ml	SST	Gold	
Hepatitis B Surface Antigen	Blood	3.5 ml	SST	Gold	
Hepatitis B Surface Antigen Confirm*	Blood	3.5 ml	SST	Gold	
Hepatitis B Surface Antigen w Confirm	Blood	3.5 ml	SST	Gold	
Hepatitis Be Antibody	Blood	3.5 ml	SST	Gold	
Hepatitis Be Antigen	Blood	3.5 ml	SST	Gold	
Hepatitis C Antibody by CIA	Blood	3.5 ml	SST	Gold	
Hepatitis C Antibody RIBA Supplemental	Blood	3.5 ml	SST	Gold	
Hepatitis C Antibody w Rflx RIBA	Blood	3.5 ml	SST	Gold	
Hepatitis C RNA Genotype	Blood	3.5 ml	SST	Gold	
Hepatitis C RNA Qnt PCR	Blood	3.5 ml	SST	Gold	
Hepatitis C RNA Qnt PCR w Rflx Geno	Blood	3.5 ml	SST	Gold	
Hepatitis C RNA Qnt PCR w Rflx Qual	Blood	3.5 ml	SST	Gold	
Hepatitis C RNA Qualitative PCR	Blood	3.5 ml	SST	Gold	
Hepatitis C RNA SuperQuant(TM) PCR	Blood	3.5 ml	SST	Gold	
Hepatitis Delta Antibody	Blood	3.5 ml	SST	Gold	
Hepatitis Delta Antibody IgM	Blood	5.0 ml	No Additive	Red	
Hepatitis Delta Antigen	Blood	5.0 ml	No Additive	Red	
Hepatocellular Carcinoma Tumor Marker Pa	Blood	3.5 ml	SST	Gold	
Herpes Simplex 1&2 GlycoproteinG Ab IgG	Blood	3.5 ml	SST	Gold	
Herpes Simplex 1 GlycoprotG Ab IgG	Blood	3.5 ml	SST	Gold	
Herpes Simplex 1 GlycoprotG Ab IgG CSF	CSF	2.0 ml	CSF Tube		
Herpes Simplex 1&2 Ab IgG+IgM	Blood	3.5 ml	SST	Gold	
Herpes Simplex 1&2 Ab IgG+IgM wRflx	Blood	3.5 ml	SST	Gold	
Herpes Simplex 1&2 Ab IgG	Blood	3.5 ml	SST	Gold	
Herpes Simplex 1&2 Ab IgM	Blood	3.5 ml	SST	Gold	
Herpes Simplex 1&2 Ab Immunoblot	Blood	3.5 ml	SST	Gold	
Herpes Simplex 2 GlycoprotG Ab IgG	Blood	3.5 ml	SST	Gold	
Herpes Simplex 2 GlycoprotG Ab IgG CSF	CSF	2.0 ml	CSF Tube		
Herpes Simplex HSV DFA wRflx Culture	Specify	1	Sterile Specimen Cup	See "Special Handling"	Collect: Buccal mucosa lesion, cervical or genital lesion, eye, throat or vesicle swab, bronchoalveolar lavage (BAL), tissue or vesicle fluid. Unacceptable Conditions: Bone marrow, CSF, or whole blood.

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Herpes Simplex HSV PCR	Specify	1		See "Special Handling"	Collect: Lavender (EDTA), pink (K2EDTA), or serum separator tube. OR Amniotic fluid, bronchoalveolar lavage (BAL), CSF, ocular fluid, Collect: Buccal mucosa, eye, genital, rectal, throat or vesicle swab, or bronchoalveolar lavage, tissue or vesicle fluid. Unacceptable Conditions: Blood, CSF, plasma, or serum. Calcium alginate, dry, or
Herpes Simplex HSV Typing*	Specify	1	Sterile Specimen Cup	See "Special Handling"	
Heterophile Ab Scrn w Titer	Blood	3.5 ml	SST	Gold	
HGH Human Growth Hormone Level	Blood	3.5 ml	SST	Gold	
Histamine Level Plasma	Blood	4.0 ml	K2 EDTA	Lavender	
Histamine Level Whole Blood	Blood	3.0 ml	Lithium Heparin	Green	
Histone Antibody IgG	Blood	3.5 ml	SST	Gold	
Histoplasma Antibodies CF	Blood	3.5 ml	SST	Gold	
Histoplasma Antibody	Blood	3.5 ml	SST	Gold	
Histoplasma Antigen Urine	Urine	10.0 ml	Sterile Specimen Cup		
HIV1 Confirmation Western Blot	Blood	3.5 ml	SST	Gold	
HIV1 Genotyping	Blood	4.0 ml	K2 EDTA	Lavender	
HIV1 RNA Qnt PCR	Blood	4.0 ml	K2 EDTA	Lavender	
HIV1 RNA Qnt PCR bDNA	Blood	4.0 ml	K2 EDTA	Lavender	
HIV1 w Rflx Western Blot Confirm	Blood	3.5 ml	SST	Gold	
HIV Ab/Ag combined 4th Gen.	Blood	3.5 ml	SST	Gold	
HIV1&2 Combined w Rflx Confirm	Blood	3.5 ml	SST	Gold	
HLA B27 Antigen Typing	Blood	3.0 ml	Lithium Heparin	Green	
Hold Tube in Blood Bank (no testing)	Blood	7 mL	K2 EDTA	Pink	
Homocysteine Level Total	Blood	3.0 ml	Lithium Heparin	Green	On Ice, deliver immediately to lab
Homocysteine Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
HPV DNA Probe HighRisk	Tissue (Specify)	1	Special		
HPV DNA Probe HR Surepath(R)	Cervix	1	Special		
HPV DNA Probe HR ThinPrep(R)	Cervix	1	Micro Spec		
HPV DNA Probe HR ThinPrep(R)	Endocervical	1	Micro Spec		
HTLV I/II Antibodies w Rflx WB Confirm	Blood	3.5 ml	SST	Gold	
HTLV I/II Antibodies Western Blot	Blood	3.5 ml	SST	Gold	
Hydroxybutyric Dehydrogenase HBD	Blood	3.5 ml	SST	Gold	
Hydroxyproline Total Urine 24Hr	Urine	24 hour collection	Urine Jug		

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Hypersensitivity Pneumonitis Panel I	Blood	3.5 ml	SST	Gold	
IBD Inflamm Bowel Disease Diff Profile	Blood	3.5 ml	SST	Gold	
Ibuprofen Level	Blood	5.0 ml	No Additive	Red	
IGF Binding Protein-3	Blood	3.5 ml	SST	Gold	
IGF1 Insulin-Like Growth Factor	Blood	3.5 ml	SST	Gold	
Imipramine Level w Desipramine	Blood	5.0 ml	No Additive	Red	
Immune Complex Assay Raji Cell	Blood	5.0 ml	No Additive	Red	
Immune Complex Panel (C1Q+Rajii)	Blood	5.0 ml	No Additive	Red	
ImmunoCAP(R) Index*	Blood	3.5 ml	SST	Gold	
Immunochemical fecal occult blood (IFOB)	Stool	5.0g	Sterile Specimen Cup		
Immunofixation Electrophor Urine	Urine	10.0 ml	Sterile Specimen Cup		
Immunofixation Electrophoresis Qnt Blood	Blood	3.5 ml	SST	Gold	
Immunofixation Electrophoresis Qnt Ref	Blood	3.5 ml	SST	Gold	
Immunofixation Electrophoresis Qual	Blood	3.5 ml	SST	Gold	
Immunoglobulin A	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Immunoglobulin D	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Immunoglobulin E	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Immunoglobulin E	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Immunoglobulin G	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Immunoglobulin G CSF	CSF	2.0 ml	CSF Tube		
Immunoglobulin G Subclass 1-4	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Immunoglobulin G Subclass 1	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Immunoglobulin G Subclass 2	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Immunoglobulin G Subclass 3	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Immunoglobulin G Subclass 4	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Immunoglobulin M	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Immunoglobulin M CSF	CSF	2.0 ml	CSF Tube		
Immunoglobulins Qnt	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Influenza A+B Antibodies IgG+IgM	Blood	3.5 ml	SST	Gold	
Influenza A Antibody IgG	Blood	3.5 ml	SST	Gold	
Influenza A Antibody IgM	Blood	3.5 ml	SST	Gold	
Influenza B Antibody IgG	Blood	3.5 ml	SST	Gold	
Influenza B Antibody IgM	Blood	3.5 ml	SST	Gold	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
InfluenzaA+B DFA w Rflx Culture	Specify	1	Sterile Specimen Cup	See "Special Handling"	Collect: Respiratory specimen: Bronchoalveolar lavage (BAL), nasopharyngeal aspirate, swab, or washing, or tracheal aspirate.
Inhibin B	Blood	5.0 ml	No Additive	Red	
Insecticide Exposure Panel	Blood	4.0 ml	K2 EDTA	Lavender	
Insulin Antibody	Blood	3.5 ml	SST	Gold	
Insulin Level Fasting	Blood	3.5 ml	SST	Gold	
Insulin Level Random	Blood	3.5 ml	SST	Gold	
Insulin Level Random	Blood	3.5 ml	SST	Gold	
Intrinsic Factor Blocking Antibody	Blood	3.5 ml	SST	Gold	
Iodine Urine 24 Hr	Urine	24 hour collection	Urine Jug		
Iron Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Iron Binding Capacity Total	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Iron, Liver	Liver Tissue	1.0 cm liver tissue	Royal Blue (No Additive)	Royal Blue	Collect: Liver tissue obtained with an 18 gauge needle.
Islet Cell Antibody IgG	Blood	3.5 ml	SST	Gold	
Isotretinoin Level	Blood	5.0 ml	No Additive	Red	
JAK2 Gene, V617F Mutation, Quantitation	Blood	4.0 ml	K2 EDTA	Lavender	
JAK2 V617F Mutation	Blood	4.0 ml	K2 EDTA	Lavender	
Jo-1 Antibody IgG*	Blood	3.5 ml	SST	Gold	
Kappa/Lambda Qnt Free Light Chains w/ Ra	Blood	3.5 ml	SST	Gold	
Ketones Screen Blood	Blood	3.5 ml	SST	Gold	
Kidney Stone Risk Pnl II Urine 24Hr	Urine	24 hour collection	Urine Jug		
L/S Lecithin/Sphingomyelin Ratio Amnio	Amnio	10.0 ml	Sterile Specimen Cup		
Lactic Acid/Lactate	Blood	4.0 ml	Sodium Fluoride / Potassium Oxalate	Gray	On Ice, deliver immediately to lab
Lactic Acid/Lactate CSF	CSF	2.0 ml	CSF Tube		
Lactoferrin Stool by ELISA	Stool	5.0 g	Sterile Specimen Cup		
Lamellar Body Counts Amniotic Fluid	Fld Amniotic	5.0 ml	BF Tube		
Lamotrigine Level	Blood	5.0 ml	No Additive	Red	
LD Lactate Dehydrogenase	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
LD Lactate Dehydrogenase Body Fluid	Body Fluid	1.0 ml	No Additive	Red	
LD Lactate Dehydrogenase CSF	CSF	2.0 ml	CSF Tube		
LD Lactate Dehydrogenase Isoenzymes	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
LDL Low Density Lipo Chol Direct	Blood	3.5 ml	SST	Gold	
LDL Subclasses	Blood	5.0 ml	No Additive	Red	
Lead Industrial Exposure Panel	Blood	6.0 ml	Royal Blue K2 EDTA	Royal Blue	
Lead Level Capillary	Blood	0.5 ml	K2 EDTA	Lavender Micro Tube	
Lead Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
Lead Level Whole Blood	Blood	6.0 ml	Royal Blue K2EDTA	Royal Blue	
Legionella Antibody Type 1 IgG*	Blood	3.5 ml	SST	Gold	
Legionella Antibody Type 1 IgM*	Blood	3.5 ml	SST	Gold	
Legionella Antibody Types 1-6 IgG	Blood	3.5 ml	SST	Gold	
Legionella Antibody Types 1-6 IgM	Blood	3.5 ml	SST	Gold	
Legionella Antigen Urine	Urine	10.0 ml	Sterile Specimen Cup		
Legionella Pneumophila DFA	Specify	1		See "Special Handling"	Collect: Pericardial fluid or respiratory specimens.
Leptospira Antibody	Blood	3.5 ml	SST	Gold	
Leucine Aminopeptidase LAP	Blood	3.5 ml	SST	Gold	
Leukemia/Lymphoma Phenotype BMarrow*	Bone Marrow	4.0 ml	K2 EDTA	Lavender	
Leukemia/Lymphoma Phenotype WB*	Blood	3.0 ml	Sodium Heparin	Dark Green	
Leukocyte Alkaline Phosphatase Stain	Blood	4.0 ml	Sodium Heparin	Dark Green	Specimen Preparation: Protect from light and pack accordingly to avoid breakage. Transport 5 mL whole blood (Min: 1 mL) AND 6 unfixed, well-prepared smears (Min: 6 smears)
Levetiracetam Level	Blood	5.0 ml	No Additive	Red	
LH Luteinizing Hormone Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Lidocaine Level	Blood	5.0 ml	No Additive	Red	
Lipase Body Fluid Level Ref	Body Fluid	1.0 ml	No Additive	Red	
Lipase Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Lipid Panel	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Lipoprotein (a)	Blood	3.5 ml	SST	Gold	
Lipoprotein Assoc Phospholipase A2	Blood	3.5 ml	SST	Gold	
Lipoprotein Electrophoresis	Blood	3.5 ml	SST	Gold	
Lithium Level	Blood	3.5 ml	SST	Gold	
Liver Kidney Microsome - 1 Antibody IgG	Blood	3.5 ml	SST	Gold	
Liver/Kidney Microsome Antibody	Blood	3.5 ml	SST	Gold	
Loxapine Level	Blood	5.0 ml	No Additive	Red	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Lupus Anticoagulant Study	Blood	2.7 ml	Sodium Citrate	Blue	
Lupus Comprehensive Rflx Panel	Blood	3.5 ml	SST	Gold	
Lyme Antibodies Screen	Blood	3.5 ml	SST	Gold	
Lyme Ab Scrn Acute wRflx IgG+IgM WB	Blood	3.5 ml	SST	Gold	
Lyme Ab Scrn Chronic wRflx IgG+IgM WB	Blood	3.5 ml	SST	Gold	
Lyme Ab IgG Western Blot	Blood	3.5 ml	SST	Gold	
Lyme Ab IgM Western Blot	Blood	3.5 ml	SST	Gold	
Lyme Abs IgG+IgM Western Blot	Blood	3.5 ml	SST	Gold	
Lyme Antibodies Total CSF	CSF	2.0 ml	CSF Tube		
Lysozyme Level	CSF	2.0 ml	CSF Tube		
Lysozyme Level	Blood	3.5 ml	SST	Gold	
Lysozyme Level Urine Random	Urine	10.0 ml	Sterile Specimen Cup		
Magnesium Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Magnesium Level RBC	Blood	6.0 ml	Royal Blue K2 EDTA	Royal Blue	
Magnesium Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
Magnesium Level Urine Random	Urine	10.0 ml	Sterile Specimen Cup		
Manganese Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
Manganese Level Whole Blood	Blood	6.0 ml	Royal Blue K2 EDTA	Royal Blue	Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patient should be encouraged to discontinue nutritional supplements, vitamins, minerals, and non-essential over-the-counter medications (upon the advice of their physician).
Meat Fiber Exam Stool	Stool	5.0 g	Sterile Specimen Cup		
Meningoencephalomyelitis Pnl CSF wRflx	CSF	2.0 ml	CSF Tube		
Meningoencephalomyelitis Pnl w Rflx	Blood	3.5 ml	SST	Gold	
Mephobarbital Level	Blood	5.0 ml	No Additive	Red	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
		Collect: 24-hour or random urine collection. Specimen must be collected in a plastic container. ARUP studies indicate that refrigeration of urine alone, during and after collection, preserves specimens adequately, if tested within 14 days of collection.			Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals, and non-essential over-the-counter medications (upon the advice of their physician). High concentrations of iodine may interfere with elemental testing. Abstinence from iodine-containing medications or contrast agents for at least 1 month prior to collecting specimens for elemental testing is recommended.
Mercury Level Urine 24Hr	Urine		Urine Jug		
Mercury Level WB	Blood	6.0 ml	Royal Blue K2EDTA	Royal Blue	
Metanephrines Fractionated Urine 24Hr	Urine	24 hour collection	Urine Jug		
Metanephrines Free Plasma	Bone Marrow	4.0 ml	K2 EDTA	Lavender	
					All meconium (blackish material) excreted until milk/formula based stool (yellow-green) appears.
Methadone Meconium Confirm	Meconium	All meconium	Sterile Specimen Cup		
Methadone Urine Confirm/Qnt*	Urine	10.0 ml	Sterile Specimen Cup		
Methanol Level	Blood	5.0 ml	Plain Red	Red	
Methemoglobin Level	Blood	1.0 ml	Heparin		
Methemoglobin Level	Blood	6.0 ml	Sodium Heparin	Dark Green	
Methotrexate Level	Blood	5.0 ml	No Additive	Red	
Methylmalonic Acid MMA Qnt	Blood	3.5 ml	SST	Gold	
Methylmalonic Acid MMA Urine 24Hr	Urine	24 hour collection	Urine Jug		
Microalbumin Urine 24Hr	Urine	24 hour collection	Urine Jug		
Microalbumin Urine Random	Urine	10.0 ml	Sterile Specimen Cup		
Mitochondrial M2 Antibody IgG	Blood	3.5 ml	SST	Gold	
Motor&Sensory Neuropathy Eval	Blood	3.5 ml	SST	Gold	
Motor&Sensory Neuropathy Eval Comprehens	Blood	3.5 ml	SST	Gold	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Mumps Virus Antibody IgG	Blood	3.5 ml	SST	Gold	
Mumps Virus Antibody IgM	Blood	3.5 ml	SST	Gold	
Myasthenia Gravis Reflex Panel	Blood	3.5 ml	SST	Gold	
Mycophenolic Acid Level	Blood	5.0 ml	No Additive	Red	
Mycoplasma pneumonia Ab IgG+IgM	Blood	3.5 ml	SST	Gold	
Mycoplasma pneumonia Ab IgG	Blood	3.5 ml	SST	Gold	
Mycoplasma pneumonia Ab IgM	Blood	3.5 ml	SST	Gold	
Mycoplasma pneumoniae PCR	Specify	1	See "Special Handling"		Collect: Respiratory specimen: Bronchoalveolar lavage (BAL), bronchial brushings, nasopharyngeal swab, sputum, tracheal aspirates or pleural fluid. OR CSF.
Myelin Associated Glycoprotein Antibody,	Blood	3.5 ml	SST	Gold	
Myelin Basic Protein CSF	CSF	2.0 ml	CSF Tube		
Myocardial Antibody IgG w Reflex Titer	Blood	3.5 ml	SST	Gold	
Myoglobin Level	Blood	3.5 ml	SST	Gold	
Myoglobin Level Referral	Blood	3.5 ml	SST	Gold	
Myoglobin Level Urine Random	Urine	10.0 ml	Sterile Specimen Cup		
N Teloptide Cross Linked Blood	Blood	5.0 ml	No Additive	Red	
N Teloptide Cross Linked Urine 24Hr	Fluid (Specify)	5.0 ml	ARUP tube		
Natural Killer Cell Profile	Blood	3.0 ml	Lithium Heparin	Green	
Neuron Specific Enolase	Blood	5.0 ml	No Additive	Red	
Neuronal Abs (Hu, Ri, Yo, Amphiphysin) I	Urine	50.0 ml	ARUP tube		
Neuronal Nucl Ab ANNA IgG (Hu, Ri)	Blood	3.5 ml	SST	Gold	
Neuronal Nucl Ab ANNA IgG IFA wRflx	Blood	3.5 ml	SST	Gold	
Neuronal Nucl Ab ANNA IgG Titer*	Blood	3.5 ml	SST	Gold	
Neutrophil Oxidative Burst	Blood	3.0 ml	Sodium Heparin	Dark Green	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
					Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals, and non-essential over-the-counter medications (upon the advice of their physician).
Nickel Level	Blood	6.0 ml	Royal Blue (No Additive)	Royal Blue	
Nickel Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
Nicotine Level w Metab Blood	Blood	5.0 ml	No Additive	Red	
Nicotine Level w Metab Urine Random	Urine	10.0 ml	Sterile Specimen Cup		
NMP22(R)	Urine	10.0 ml	Sterile Specimen Cup		
Norovirus 1&2 RTPCR Stool	Stool	5.0 g	Sterile Specimen Cup		
Nortriptyline Level	Blood	5.0 ml	No Additive	Red	
Oligoclonal Band Profile CSF+Bld	CSF	2.0 ml	CSF Tube		
Oligoclonal Band Profile CSF+Bld	Blood	3.5 ml	SST	Gold	
Oligoclonal Band Profile wMBP CSF+Bld	Blood + CSF	3.5 ml blood + 2.0 ml CSF	SST + CSF Tube		
					Collect all meconium (blackish material) excreted until milk/formula based stool (yellow-green) appears.
Opiates Meconium Confirm	Meconium	All meconium	Sterile Specimen Cup		
Opiates Urine Confirm/Qnt*	Urine	10.0 ml	Sterile Specimen Cup		
Organic Acids Plasma	Blood	3.0 ml	Sodium Heparin	Dark Green	
Organic Acids Urine Qnt	Urine	10.0 ml	Sterile Specimen Cup		
Osmolality	Blood	3.5 ml	SST	Gold	
Osmolality Stool	Stool	5.0 g	Sterile Specimen Cup		
Osmolality Urine 24Hr	Urine	24 hour collection	Urine Jug		
Osmolality Urine Random	Urine	10.0 ml	Sterile Specimen Cup		
Osteocalcin Level	Blood	3.5 ml	SST	Gold	
Ova & Parasites Exam Ref	Stool	5.0 g	Sterile Specimen Cup		
Ova & Parasites Exam Referral	Stool	5.0 g	Sterile Specimen Cup		
Ova and Parasite Identification	Stool	5.0 g	Sterile Specimen Cup		
Oxalate Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
Oxcarbazepine Level	Blood	5.0 ml	No Additive	Red	
Parainfluenza 1+2+3 Antibody IgG+IgM	Blood	3.5 ml	SST	Gold	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Parathyroid Hormone Intact	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Parathyroid Hormone Intact with Calcium	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Parathyroid Hormone Intact without Calcium	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Parietal Cell Antibody IgG	Blood	3.5 ml	SST	Gold	
Partial Thromboplastin Time PTT	Blood	2.7 ml	Sodium Citrate	Blue	
Partial Thromboplastin Time PTT 1:1	Blood	2.7 ml	Sodium Citrate	Blue	
Parvovirus B19 Antibodies IgG+IgM	Blood	3.5 ml	SST	Gold	
Parvovirus B19 Antibody IgG	Blood	3.5 ml	SST	Gold	
Parvovirus B19 Antibody IgM	Blood	3.5 ml	SST	Gold	
Perphenazine Level	Blood	5.0 ml	No Additive	Red	
PG Phosphatidylglycerol Amniotic Fluid	Fld Amniotic	5.0 ml	No Additive	Red	
pH Body Fluid	Body Fluid	1.0 ml	No Additive	Red	
pH Stool	Stool	5.0 g	Sterile Specimen Cup		
pH Urine	Urine	10.0 ml	Sterile Specimen Cup		
Phencyclidine Meconium Confirm	Meconium	All meconium	Sterile Specimen Cup		Collect all meconium (blackish material) excreted until milk/formula based stool (yellow-green) appears.
Phencyclidine Urine Confirm/Qnt*	Urine	10.0 ml	Sterile Specimen Cup		
Phenobarbital Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Phenylalanine & Tyrosine Qnt Plasma	Blood	3.0 ml	Lithium Heparin	Green	
Phenylalanine Qnt Plasma	Blood	3.0 ml	Lithium Heparin	Green	
Phenytoin Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Phenytoin Level Free + Total	Blood	5.0 ml	No Additive	Red	
Phospholipids Assay	Blood	3.5 ml	SST	Gold	
Phosphorus Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Phosphorus Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
Phosphorus Level Urine Random	Urine	10.0 ml	Sterile Specimen Cup		
Pinworm Prep Referral	Other (Specify)	1	Slide		
Plasminogen Level	Blood	2.7 ml	Sodium Citrate	Blue	
Platelet Antibodies Indirect*	Blood	5.0 ml	No Additive	Red	
Platelet Associated Antibodies Direct	Blood	4.0 ml	K2 EDTA	Lavender	
Platelet Count PLT	Blood	4.0 ml	K2 EDTA	Lavender	
Plateletpheresis Order	Blood	7 mL	K2 EDTA	Pink	
Pneumocystis jiroveci DFA	BAL	5.0 ml	Sterile Specimen Cup		
Pneumocystis jiroveci DFA	Bronchial Wash	1	Sterile Specimen Cup		

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
PNH Sucrose Hemolysis	Blood	2.7 ml	Sodium Citrate	Blue	
POC ACT Celite ISTAT Panel	Blood	5.0 ml		Syringe	Point -Of-Care
POC CG8+ Arterial ISTAT Panel	Blood	5.0 ml	Sodium Heparin	Syringe or Green Top	Point -Of-Care
POC CG8+ ISTAT Panel	Blood	5.0 ml	Sodium Heparin	Syringe or Green Top	Point -Of-Care
POC CG8+ Venous ISTAT Panel	Blood	5.0 ml	Sodium Heparin	Syringe or Green Top	Point -Of-Care
POC EC4+ ISTAT Panel	Blood	5.0 ml	Sodium Heparin	Syringe or Green Top	Point -Of-Care
POC Glucose Panel	Blood	1.0 ml	Sodium Heparin	Syringe or Green Top	Point -Of-Care
Poliovirus Antibodies	Blood	3.5 ml	SST		
Polychlorinated Biphenyls Level PCB	Blood	5.0 ml	No Additive	Red	
Porphobilinogen PBG Deaminase RBC	Blood	4.0 ml	K2 EDTA	Lavender	
Porphobilinogen Urine Qnt 24Hr	Urine	24 hour collection	Urine Jug		
Porphyrins Total	Blood	5.0 ml	No Additive	Red	
Porphyrins Profile Plasma	Blood	3.0 ml	Lithium Heparin	Green	
Porphyrins Stool	Stool	5.0 g	Sterile Specimen Cup		
Porphyrins Urine Qnt 24Hr	Urine	24 hour collection	Urine Jug		
Porphyrins+Porphobilinogen Urine 24Hr	Urine	24 hour collection	Urine Jug		
Potassium Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Potassium Level Body Fluid *	Body Fluid	1.0 ml	No Additive	Red	
Potassium Level Urine 12Hr	Urine	12 hour collection	Urine Jug		
Potassium Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
Potassium Level Urine Random	Urine	10.0 ml	Sterile Specimen Cup		
Potassium Stool	Stool	5.0 g	Sterile Specimen Cup		
Prealbumin Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Pregnenolone Level	Blood	3.5 ml	SST	Gold	
Primidone Level w Phenobarbital	Fluid (Specify)	5.0 ml	No Additive	Red	
proBrain Natriuretic Peptide NT	Blood	3.5 ml	SST	Gold	
Procainamide Level w NAPA	Blood	5.0 ml	No Additive	Red	
Procalcitonin Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Progesterone Level	Blood	3.5 ml	SST	Gold	
Proinsulin Level	Blood	3.5 ml	SST	Gold	
Prolactin Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Propoxyphene Meconium Confirm	Meconium	All meconium	Sterile Specimen Cup		Collect all meconium (blackish material) excreted until milk/formula based stool (yellow-green) appears.
Propoxyphene Urine Confirm/Qnt*	Urine	10.0 ml	Sterile Specimen Cup		
Prostatic Specific Antigen Ultrasens	Blood	5.0 ml	No Additive	Red	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Prostatic Specific Antigen-Annual Scrn	Blood	3.5 ml	SST	Gold	
Prostatic Specific Antigen-Dx&Monitor	Blood	3.5 ml	SST	Gold	
Prostatic Specific Antigen-Free	Blood	3.5 ml	SST	Gold	
Prostatic Specific Antigen-Free wTot	Blood	3.5 ml	SST	Gold	
Protein C & S Panel Functional	Blood	2.7 ml	Sodium Citrate	Blue	
Protein C & S Panel Total Antigen	Blood	2.7 ml	Sodium Citrate	Blue	
Protein C Functional	Blood	2.7 ml	Sodium Citrate	Blue	
Protein C Total Antigen	Blood	2.7 ml	Sodium Citrate	Blue	
Protein Electrophoresis	Blood	3.5 ml	SST	Gold	
Protein Electrophoresis CSF	CSF	2.0 ml	CSF Tube		
Protein Electrophoresis Urine 24Hr	Urine	24 hour collection	Urine Jug		
Protein Electrophoresis Urine Random	Urine	10.0 ml	Sterile Specimen Cup		
Protein S Functional	Blood	2.7 ml	Sodium Citrate	Blue	
Protein S Total Antigen	Blood	2.7 ml	Sodium Citrate	Blue	
Protein Total	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Protein Total Body Fluid	Body Fluid	1.0 ml	No Additive	Red	
Protein Total CSF	CSF	2.0 ml	CSF Tube		
Protein Total Urine 12Hr	Urine	12 hour collection	Urine Jug		
Protein Total Urine 24Hr	Urine	24 hour collection	Urine Jug		
Protein Total Urine Random	Urine	10.0 ml	Sterile Specimen Cup		
Prothrombin (F2) G20210A PCR	Blood	4.0 ml	K2 EDTA	Lavender	
Prothrombin Time 1:1	Blood	2.7 ml	Sodium Citrate	Blue	
Prothrombin Time PT w INR	Blood	2.7 ml	Sodium Citrate	Blue	
Pyruvic Acid/Pyruvate	Blood	4.0 ml	K2 EDTA	Lavender	
QuantiFERON(r) - TB Gold In Tube	Blood	5.0 ml	Quantiferon tubes (ask Lab)		
Quinidine Level	Blood	5.0 ml	No Additive	Red	
Reducing Substances Stool	Stool	5.0 g	Sterile Specimen Cup		
Reducing Substances Urine (Lab)	Urine	10.0 ml	Sterile Specimen Cup		
Renal Function Panel	Blood	3.5 ml	SST	Gold	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
					<p>Patient Prep: Supine: 1. Specimen should be obtained between 8 a.m. and 10 a.m. (after at least two hours in supine position); 2. Normal sodium diet (100-200 mEq/day) for at least three days; 3. Take no medications known to affect renin-aldosterone system.</p> <p>Upright: 1. Specimen should be obtained before noon (after at least two hours in upright position; seated or standing); 2. Normal sodium diet (100-200 mEq/day) for at least three days; 3. Take no medications known to affect renin-aldosterone system.</p> <p>Contact Medical Director if more information is needed.</p>
Renin Activity	Blood	4.0 ml	K2 EDTA	Lavender	
Respiratory Syncytial Virus DFA Referral	BAL	5.0 ml	Sterile Specimen Cup		
Respiratory Syncytial Virus DFA Referral	Bronchial Brush	1	Sterile Specimen Cup		
Respiratory Syncytial Virus DFA Referral	Bronchial Wash	1	Sterile Specimen Cup		
Respiratory Syncytial Virus DFA Referral	Endotracheal	1	Sterile Specimen Cup		
Respiratory Syncytial Virus DFA Referral	Fld Chest/Pleural	5.0 ml	Sterile Specimen Cup		
Respiratory Syncytial Virus DFA Referral	Sinus	1	Sterile Specimen Cup		
Respiratory Syncytial Virus DFA Referral	Sputum	1.0 ml	Sterile Specimen Cup		

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Respiratory Syncytial Virus DFA Referral	Tracheal Aspirate	2.0 ml	Sterile Specimen Cup		
Respiratory Syncytial Virus DFA Referral	Nasopharyngeal	1	Swab		
Respiratory Viruses DFA	BAL	5.0 ml	Sterile Specimen Cup		
Respiratory Viruses DFA	Tracheal Aspirate	2.0 ml	Sterile Specimen Cup		
Respiratory Viruses DFA	Nasopharyngeal	1	Swab		
Respiratory Viruses DFA w Rflx Culture	BAL	5.0 ml	Sterile Specimen Cup		
Respiratory Viruses DFA w Rflx Culture	Nasopharyngeal	1	Sterile Specimen Cup		
Respiratory Viruses DFA w Rflx Culture	Tracheal Aspirate	2.0 ml	Sterile Specimen Cup		
Reticulin Antibody IgA w Reflex Titer	Blood	3.5 ml	SST	Gold	
Reticulin Antibody IgG	Blood	5.0 ml	No Additive	Red	
Reticulocyte Count	Blood	4.0 ml	K2 EDTA	Lavender	
Reticulocytes, Cellular Hemoglobin	Blood	4.0 ml	K2 EDTA	Lavender	
Rh Type Only	Blood	7 mL	K2 EDTA	Pink	
Rheumatoid Factor RA Qnt*	Blood	3.5 ml	SST	Gold	
Risperidone Level	Blood	5.0 ml	No Additive	Red	
Ristocetin Cofactor*	Blood	2.7 ml	Sodium Citrate	Blue	
Rocky Mtn Spotted Fever Abs IgG	Blood	3.5 ml	SST	Gold	
Rocky Mtn Spotted Fever Abs IgG+IgM	Blood	3.5 ml	SST	Gold	
Rotavirus+Adenovirus 40-41 Ags Stool	Stool	5.0 g	Sterile Specimen Cup		
Rubella Antibodies IgG+IgM	Blood	3.5 ml	SST	Gold	
Rubella Antibody IgG	Blood	3.5 ml	SST	Gold	
Rubella Antibody IgM	Blood	3.5 ml	SST	Gold	
Rubeola Antibodies IgG+IgM	Blood	3.5 ml	SST	Gold	
Rubeola Antibody IgG	Blood	3.5 ml	SST	Gold	
Rubeola Antibody IgM	Blood	3.5 ml	SST	Gold	
S cerevisiae Antibodies IgA+IgG	Blood	3.5 ml	SST	Gold	
Salicylate/ASA Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Sedimentation Rate Westergren	Blood	4.0 ml	K2 EDTA	Lavender	
Selenium Level	Blood	6.0 ml	Royal Blue K2EDTA	Royal Blue	
Semen Analysis Complete	Semen	2.0 ml	Sterile Specimen Cup		
Semen Analysis Complete Auto (Kruger Met	Semen	2.0 ml	Sterile Specimen Cup		
Serotonin Level	Blood	3.5 ml	SST	Gold	
Serotonin Level Whole Blood	Blood	4.0 ml	K2 EDTA	Lavender	
SHBG Sex Hormone Binding Globulin	Blood	3.5 ml	SST	Gold	
Silicon Level	Blood	5.0 ml	No Additive	Red	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Sirolimus Level	Blood	4.0 ml	K2 EDTA	Lavender	
Smooth Muscle (F-Actin) Antibody IgG w R	Blood	3.5 ml	SST	Gold	
Smooth Muscle Ab IgG Titer**	Blood	3.5 ml	SST	Gold	
Sodium Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Sodium Level Body Fluid Ref	Body Fluid	5.0 ml	No Additive	Red	
Sodium Level Urine 12Hr	Urine	12 hour collection	Urine Jug		
Sodium Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
Sodium Level Urine Random	Urine	10.0 ml	Sterile Specimen Cup		
Sodium Stool	Stool	5.0 g	Sterile Specimen Cup		
Soluble Transferrin Receptor	Blood	3.5 ml	SST	Gold	
Somatostatin Level	Blood	4.0 ml	K2 EDTA	Lavender	
Specific Gravity Body Fluid	Body Fluid	1.0 ml	K2 EDTA	Lavender	
Specific Gravity Urine	Urine	10.0 ml	Sterile Specimen Cup		
Sperm Count Post Vasectomy	Semen	1	Sterile Specimen Cup		
St Louis Encephalitis Antibody IgG	Blood	3.5 ml	SST	Gold	
Strep pneumoniae Antibodies IgG	Blood	3.5 ml	SST	Gold	
Strep pneumoniae Antigen CSF	CSF	2.0 ml	CSF Tube		
Strep pneumoniae Antigen Urine	Urine	10.0 ml	Sterile Specimen Cup		
Striated Muscle Ab IgG w Rflx Titer	Blood	3.5 ml	SST	Gold	
Sulfonylurea Hypoglycemics, Serum	Blood	3.5 ml	ARUP tube		
Sulfonylurea Hypoglycemics, Urine	Urine	10.0 ml	Sterile Specimen Cup		
Syphilis by EIA	Blood	3.5 ml	SST	Gold	
T3 Uptake	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
T3 Total	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
T3 Free	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
T3 Reverse	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
T4 Total	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
T4 Free	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Tacrolimus Level	Blood	4.0 ml	K2 EDTA	Lavender	
TCell Subsets 1 CD4 Absolute*	Blood	6.0 ml	Sodium Heparin	Dark Green	
TCell Subsets 2 CD4 Percent+Absolute	Blood	4.0 ml	K2 EDTA	Lavender	
TCell Subsets 3 CD4+CD8 Absolute	Blood	3.0 ml	K2 EDTA	Lavender	
TCell Subsets 4 Percent+Absolute	BAL	3.0 ml	K2 EDTA	Lavender	
TCell Subsets 4 Percent+Absolute	Blood	3.0 ml	K2 EDTA	Lavender	
TCell Subsets 4 Percent+Absolute	CSF	3.0 ml	K2 EDTA	Lavender	
TCell Subsets 5 Tot Lymph Enumeration*	Fld Chest/Pleural	3.0 ml	K2 EDTA	Lavender	
TCell Subsets 6 Tot Lymph Enum Extend*	Blood	3.0 ml	K2 EDTA	Lavender	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Teichoic Acid Antibodies	Blood	3.5 ml	SST	Gold	
Temazepam Level	Fluid (Specify)	5.0 ml	No Additive	Red	
Testosterone Total	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Testosterone Total Female/Child	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Testosterone Free Adult Male	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Testosterone Free Female/Child	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Testosterone Free+Tot+SHBG Adult Male	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Testosterone Free+Tot+SHBG Female/Child	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Thallium Level Whole Blood	Blood	6.0 ml	Royal Blue K2EDTA	Royal Blue	
Thallium Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
Theophylline Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Thiocyanate Level	Blood	5.0 ml	No Additive	Red	
Thiothixene Level	Blood	5.0 ml	No Additive	Red	
Thrombin Time TT	Blood	2.7 ml	Sodium Citrate	Blue	
Thyroglobulin Antibody	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Thyroglobulin w Thyroglobulin Ab	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Thyroglobulin w Thyroglobulin Ab	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Thyroid Antibodies (TGB+TPO Abs)	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Thyroid Peroxidase Antibody TPO	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Thyroid Stim Horm Receptor Antibody	Blood	3.5 ml	SST	Gold	
Thyroid Stim Immunoglobulin TSI	Blood	3.5 ml	SST	Gold	
Thyroxine Binding Globulin TBG	Blood	3.5 ml	SST	Gold	
Tiagabine (Gabitril(R))	Blood	5.0 ml	No Additive	Red	
Tissue Transglutaminase Ab IgA	Blood	3.5 ml	SST	Gold	
Tissue Transglutaminase Ab IgG	Blood	3.5 ml	SST	Gold	
Tobramycin Level Peak	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Tobramycin Level Random	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Tobramycin Level Trough	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Topiramate Level	Blood	5.0 ml	No Additive	Red	
Torch Antibody Panel IgG	Blood	3.5 ml	SST	Gold	
Torch Antibody Panel IgM	Blood	3.5 ml	SST	Gold	
Toxoplasma gondii Antibodies IgG+IgM	Blood	3.5 ml	SST	Gold	
Toxoplasma gondii Antibody IgG	Blood	3.5 ml	SST	Gold	
Toxoplasma gondii Antibody IgM	Blood	3.5 ml	SST	Gold	
Transferrin Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Transferrin/IBC	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Transfusion Reaction Work Up	Blood	30 mL	K2 EDTA, No Additive	2 Pink & 2 Plain Red	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Trazodone Level	Blood	5.0 ml	No Additive	Red	
Treponema Ab FTA-ABS IgG	Blood	3.5 ml	SST	Gold	
Treponema Ab MHA-TP	Blood	3.5 ml	SST	Gold	
Treponema Scrn RPR w Rflx Titer	Blood	3.5 ml	SST	Gold	
Treponema VDRL CSF w Rflx Titer	CSF	2.0 ml	CSF Tube		
Trichinella Antibody	Blood	3.5 ml	SST	Gold	
Tricyclic Antidepressants Lvl Total	Blood	5.0 ml	No Additive	Red	
Triglycerides Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Triglycerides Level Body Fluid	Body Fluid	1.0 ml	No Additive	Red	
Troponin I	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Troponin T	Blood	3.5 ml	SST	Gold	
Trypsin Like Immunoreactivity	Blood	3.5 ml	SST	Gold	
Trypsin Stool	Stool	5.0 g	Sterile Specimen Cup		
Tryptase Level	Blood	3.5 ml	SST	Gold	
TSH Thyroid Stim Horm 3rd Generation	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Typhus Fever Antibodies IgG+IgM	Blood	3.5 ml	SST	Gold	
Urea Clearance	Urine	24 hour collection	Urine Jug		
Urea Nitrogen Urine 12Hr	Urine	12 hour collection	Urine Jug		
Urea Nitrogen Urine 24Hr	Urine	24 hour collection	Urine Jug		
Urea Nitrogen Urine Random	Urine	10.0 ml	Sterile Specimen Cup		
Uric Acid Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Uric Acid Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
Uric Acid Level Urine Random	Urine	10.0 ml	Sterile Specimen Cup		
Urinalysis UA	Urine	10.0 ml	Sterile Specimen Cup		
Urinalysis w C/S IF Indicated	Urine	10.0 ml	Sterile Specimen Cup		
Urinalysis Dipstick Only (Lab)	Urine	10.0 ml	Sterile Specimen Cup		
Urinalysis Microscopic*	Urine	10.0 ml	Sterile Specimen Cup		
Valproic Acid Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Vancomycin Level Peak	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Vancomycin Level Random	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Vancomycin Level Trough	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Vanillylmandelic VMA Urine 24Hr	Urine	24 hour collection	Urine Jug		
Varicella-Zoster Antibodies IgG+IgM	Blood	3.5 ml	SST	Gold	
Varicella-Zoster Antibody IgG	Blood	3.5 ml	SST	Gold	
Varicella-Zoster Antibody IgM	Blood	3.5 ml	SST	Gold	
Varicella-Zoster Virus by PCR	Blood	4.0 ml	K2 EDTA	Lavender	
Vasoactive Intestinal Polypeptide VIP	Blood	4.0 ml	K2 EDTA	Lavender	
Viscosity Serum	Blood	3.5 ml	SST	Gold	

GAMC Laboratory Specimen Requirements
January 2017

Test Name	Specimen Type	Volume Required	Container Required	Tube Color	Miscellaneous Instructions
Viscosity Whole Blood	Blood	4.0 ml	K2 EDTA	Lavender	
Vit D Level 25 Hydroxy	Blood	3.5 ml	SST	Gold	
Vitamin A Level	Blood	3.5 ml	SST	Gold	
Vitamin B1 Level Plasma	Blood	3.0 ml	Lithium Heparin	Green	
Vitamin B1 Level Whole Blood	Blood	3.0 ml	Lithium Heparin	Green	
Vitamin B12 Binding Capacity	Blood	3.5 ml	SST	Gold	
Vitamin B12 Level	Blood	3.5 ml	SST/Lithium Heparin	Gold/Green	
Vitamin B2 Level	Blood	3.0 ml	Lithium Heparin	Green	
Vitamin B6 Level Total	Blood	3.0 ml	Lithium Heparin	Green	
Vitamin C Level	Blood	3.0 ml	Lithium Heparin	Green	
Vitamin D Level 1,25 Dihydroxy (Active)	Blood	3.5 ml	SST	Gold	
Vitamin D2, D3 25 Hydroxy	Blood	3.5 ml	SST	Gold	
Vitamin E Level	Blood	3.0 ml	Lithium Heparin	Green	
Vitamin K(1) Level	Blood	5.0 ml	No Additives	Red	
von Willebrand Factor Antigen*	Blood	2.7 ml	Sodium Citrate	Blue	
von Willebrand Multimeric Panel	Blood	2.7 ml	Sodium Citrate	Blue	
von Willebrand Panel*	Blood	2.7 ml	Sodium Citrate	Blue	
WBC White Blood Cell Count	Blood	4.0 ml	K2 EDTA	Lavender	
West Nile Antibodies IgG+IgM	Blood	3.5 ml	SST	Gold	
West Nile Antibodies IgG+IgM CSF	CSF	2.0 ml	CSF Tube		
West Nile Antibody IgG	Blood	3.5 ml	SST	Gold	
West Nile Antibody IgG CSF	CSF	2.0 ml	CSF Tube		
West Nile Antibody IgM	Blood	3.5 ml	SST	Gold	
West Nile Antibody IgM CSF	CSF	2.0 ml	CSF Tube		
Western Equine Encephalitis Ab IgG	Blood	3.5 ml	SST	Gold	
Western Equine Encephalitis Ab IgM	Blood	3.5 ml	SST	Gold	
Zinc Level Urine 24Hr	Urine	24 hour collection	Urine Jug		
Zinc Level Whole Blood	Blood	6.0 ml	Royal Blue K2 EDTA	Royal Blue	
Zinc Level, Serum	Blood	6.0 ml	Royal Blue (No Additive)	Royal Blue	
Zinc Protoporph ZPP WB	Blood	6.0 ml	Royal Blue K2 EDTA	Royal Blue	
Zinc Protoporph ZPP WB Industrial	Blood	6.0 ml	Royal Blue K2 EDTA	Royal Blue	
Zonisamide Level	Blood	5.0 ml	No Additive	Red	