

MERCY MEDICAL CENTER - CLINTON LABORATORY 2024

TESTS	LAB DEPT	SPECIMEN TYPE	SPECIMEN RESPONSIBILITY	SPECIAL INSTRUCTIONS	Quest Test Code	TURN AROUND TIME	COMMENTS
A							
14.3.3 ETA Protein	Reference Lab	1 ml Serum	Laboratory	Refrigerated	91455		
17 Hydroxyprogesterone LC/MS/MS	Reference Lab	0.5 ml	Laboratory	Refrigerated	17180		
ABO Group and Rh type Blood typing ABO & Rh	Blood Bank	1 ml EDTA whole blood	Laboratory			1 hour	Patient obtains BB ID band
Acetylcholine Receptor Blocking Ab	Ref Lab	1 ml serum	Laboratory		34459		
Acid Fast Stain	Ref Lab (State)	sputum and other fluids	Nursing/Physician			2-3 days	Result may be called for after 24 hours.
ACTH (Adrenocorticotrophic Hormone)	Ref Lab	1.5 ml EDTA Plasma Frozen	Laboratory		211	3 Days	See Adrenocortico-trophic Hormone
Adenosine Deaminase Pleural Fluid	Ref Lab	0.5 mL Pleural Fluid Frozen	Physician		17696		
Adenovirus PCR	Ref Lab	NP swab	Laboratory		16046	4 Days	
AFP (Alpha-fetoprotein tumor marker)	Ref Lab	1 ml serum	Laboratory	Refrigerated	237	2 days	See Alpha-Fetoprotein
Alanine Transaminase (ALT, SGPT)	Chemistry	1 ml serum/ Plasma	Laboratory			1 hour	
Albumin	Chemistry	1 ml serum/ Plasma	Laboratory			1 hour	
Albumin, Pericardial, Peritoneal, Pleural Fluid	Ref Lab	1 mL Pericardial, Peritoneal, or Pleural Fluid	Physician		17411, 17412, 17413		
Albumin/globulin ratio (includes Total Protein, Albumin, Globulin and A/G Ratio.	Chemistry	1 ml serum/ Plasma	Laboratory			1 hour	
Alcohol Metabolites	Ref Lab	1 mL random urine	Nursing				
Alcohol, Ethyl (Ethanol) ETOH	Chemistry	1 ml urine	Laboratory		90418	1 hour	
Aldolase	Ref Lab	2 ml serum, RT	Laboratory		227	2 days	
Aldosterone	Ref Lab	1 ml serum	Laboratory		17181		
Aldosterone/Renin Ratio	Ref Lab	1.8 EDTA plasma	Laboratory	Frozen	16845		
Alkaline Phosphatase	Chemistry	1 ml serum/ Plasma	Laboratory			1 hour	
Alkaline Phosphatase Isoenzyme	Ref Lab	2 ml serum	Laboratory		231	2 – 4 days	Performed Monday thru Friday
Alpha-1-Antitrypsin	Ref Lab	1 ml serum	Laboratory		235	2 days	Performed Monday thru Friday
Alpha-1-Antitrypsin Mutation Analysis	Ref Lab	5 mL EDTA whole blood	Laboratory	Refrigerated	15340	3-6 days	

Amikacin (Amikin) PEAK TROUGH	Ref Lab Ref Lab	1 ml serum 1 ml serum	Laboratory Laboratory	Do not collect in serum separator tube. Peak sample should be drawn 60 minutes after an IM injection; 30 minutes after the end of a 30 minute IV infusion or 15 minutes after a 60 minute IV infusion. Trough should be drawn just prior to the next dose.	8584, 8583	1-2 days 1-2 days	Test performed Mon - Sat Test performed Monday thru Saturday
Amiodarone (Cordarone)	Ref Lab	3 ml serum	Laboratory	Refrigerated	36721	2 – 5 day	
Ammonia	Chemistry	5 ml EDTA plasma - on ice	Laboratory	To Lab w/in 1 hour of collection.			
Amphetamines	Chemistry	Random Urine	Nursing			1 hour	
Amylase, Peritoneal or Pleural Fluid	Ref. Lab	2 mL peritoneal or pleural fluid	Physician		1,741,417,415		
Amylase	Chemistry	1 ml serum /Plasma	Laboratory			1 hour	
Amylase Urine	Chemistry	Random Urine	Laboratory			1 hour	
Amylase urine Amy 12	Chemistry	12 hr Urine	Nursing				
Amylase Urine Amy 24	Chemistry	24 hr Urine	Nursing				
ANA	Ref. Lab	2ml serum	Laboratory		249	3 days	See Antinuclear Antibodies
ANCA Vasculitides (P-ANCA & C-ANCA)	Ref Lab	1 ml Serum	Laboratory		36733	3 days	
Angiotensin-1-Converting Enzyme (ACE)	Ref Lab	1 ml serum	Laboratory		683	2 days	
Anti-Xa	Coagulation	1.8 or 2.7 Na citrated whole blood, invert thoroughly	Laboratory	Blood specimen must fill to the frosted line on tube.		1 hour	Monitoring of patients on unfractionated heparin
Antibody Identification	Blood Bank	4 ml serum	Laboratory	Usually ordered by Lab.			Only done with positive antibody screen.
Antibody Screen	Blood Bank	1 Lav/Red	Laboratory	Do not collect in serum separator tube.		< 1/2 hour	
Antigliadin AB	Ref Lab	1 ml serum	Laboratory	Refrigerated	8889		
Antiphospholipid Antibody Panel	Ref Lab	5 ml plasma	Laboratory	Refrigerated	14890		
Anti-Thrombin III Assay	Ref lab	1 ml frozen citrated plasma	Laboratory	Refrigerated	216		
APTT	Coagulation	1.8 or 2.7 Na citrated whole blood, invert thoroughly	Laboratory	Blood specimen must fill to the frosted line on tube.			4 hour specimen stability
Arginine Vasopressin Hormone	Ref Lab	4 ml plasma	Laboratory	Frozen	252		
Aspartate Transaminase (AST, SGOT)	Chemistry	2 ml serum/plasma	Laboratory				

B							
Benzodiazepine	Chemistry	Random Urine	Nursing			1 hour	
Bilirubin, Total	Chemistry	1 ml serum/plasma	Laboratory			1 hour	
Bilirubin, Direct	Chemistry	1 ml serum/plasma	Laboratory			1 hour	
BK Virus PCR	Ref Lab	0.7 ml plasma	Laboratory	Refrigerated	11274		
Blood Type	Blood Bank	1 full EDTA lav tube	Laboratory			1 hour	
Blood Transfusion, EMERGENCY (Massive)	Blood Bank	1 full EDTA lav tube	Laboratory				
BNP (B type Natriuretic peptide)	Chemistry	1mL EDTA plasma	Laboratory			1 hour	
Body Fluid Cytology	Cytology	Sterile container	Physician				
Bone Marrow Aspiration and Core Biopsy	Histopathology	Bone Marrow	Physician	Slides, Fixative slide tray and tubes available from Lab		1 - 2 days	
BUN (Blood Urea Nitrogen)	Chemistry	1 ml serum	Laboratory			1 hour	
C							
C Peptide	Ref Lab	1 ml serum	Laboratory	Refrigerated	372		
CA 15-3	Ref Lab	1 ml serum	Laboratory	Refrigerated	5819		
CA 19-9	Ref Lab	1 ml serum	Laboratory	Refrigerated	4698		
CA 19-9 Pleural fluid	Ref Lab	3 ml pleural fluid	Physician	Refrigerated	17642		
CA 125	Ref Lab	1 ml serum	Laboratory	Refrigerated	29256		
Calcium	Chemistry	1 ml serum/plasma	Laboratory			1 hour	
Calcium, Ionized	Ref lab	1 ml serum /Yellow top tube, needs gel barrier	Laboratory	Refrigerated	306		
Calprotectin Stool	Ref Lab	1 g stool unpreserved	Nursing	Refrigerated	16796		
Cannabinoid/THC	Chemistry	Random Urine	Nursing			1 hour	
Carbamazepine (Tegretol)	Chemistry	1 mL serum/plasma	Laboratory			1 hour	
Carbon Dioxide CO2	Chemistry	1ml Serum	Laboratory			1 hour	
Carboxyhemoglobin or Carbon Monoxide	Respiratory Therapy	whole blood	Laboratory			1 hour	
Carcinoembryonic Antigen (CEA)	Chemistry	1 ml serum	Laboratory			1 hour	
Cardiolipin Antibodies	Ref lab	1 mL NA citrated plasma, light blue	Laboratory	Refrigerated	36333		
Carnitine LC/MS/MS	Ref Lab	1 ml serum	Laboratory	Refrigerated	70107		
Catecholamines, fractionated (urine)	Ref Lab	30 ml aliquot of urine from a 24° collection	Laboratory	Aliquot from a well mixed 24 hr collection. Add 25 ml 6N HCl to collection container at start of collection. Record total volume on specimen container and test requisition.	318	2 days	Mon Wed Thurs Sat
Catecholamines, (Plasma)	Ref Lab	4 mL Na Heparin plasma	Laboratory	Frozen	314		

CBC (Complete Blood Count)	Hematology	EDTA whole blood	Laboratory	Specimen can not be clotted.		1 hour	Includes RBC, WBC, Hgb, Hct, Indices, Platelet Count, RDW, MPV, Differential and Morphology
CEA Pleural Fluid	Ref Lab	3 ml pleural fluid	Physician	Refrigerated	17584		
Celiac Disease Panel	Ref Lab	5 ml serum	Laboratory	Refrigerated	19955		
Cell Count, Body Fluids	Hematology	1 ml Body Fluid preserved in EDTA. Purple top	Physician			1 hour	
Cerebrospinal fluid, CBC	Hematology	CSF- sterile tube	Physician			1 hour	
Cerebrospinal Fluid Cytology	Cytology	CSF - sterile tube	Physician			1 hour	
Cerebrospinal Fluid Glucose	Chemistry	CSF - sterile tube	Physician			1 hour	
Cerebrospinal Fluid Total Protein	Chemistry	CSF - sterile tube	Physician			1 hour	
Ceruloplasmin	Ref Lab	1 mL serum	Laboratory	Refrigerated	326		
Chemistry Profile (CMP)	Chemistry	2 mL serum	Laboratory			1 hour	Usually a fasting specimen. Profile includes: Glucose, BUN, Creatinine, Bun/Creatinine ratio, Sodium, Potassium, Chloride, Calcium, Alkaline Phosphatase, AST/SGOT, ALT/SGPT, Bilirubin Total, Total protein (serum), Albumin, Globulin, A/G Ratio, CO2.
Chemistry 8 (BMP)	Chemistry	1 mL serum	Laboratory			1 hour	
Chlamydia/GC PCR	Microbiology	Random dirty urine or endocervix swab in collection kit.	Nursing or Provider			90 minutes	
Chlamydia / GC RNA	Ref Lab	Swab of endocervix, conjunctiva or urethra.	Physician		11363		
Chlamydia Trachomatis (DFA), Nasopharynx	Ref lab	NP swab/ 1 slide	Laboratory	Collected with APTIMA Collection Kit	4966		
Chlamydia Pneumo Ab Panel	Ref Lab	1 ml Serum	Laboratory	Refrigerated	37111		
Chloride, Serum	Chemistry	1 ml serum	Laboratory			1 hour	
Chloride, Urine	Chemistry	Random Urine	Nursing			1 hour	
Cholesterol, total	Chemistry	1 ml serum or Plasma	Laboratory			1 hour	
Cholesterol, High Density Lipoprotein (HDL)	Chemistry	1 mL serum	Laboratory	Fasting preferred		1 hour	
Cholesterol, Low Density Lipoprotein (Direct LDLD)	Chemistry	1 ml serum or Plasma	Laboratory	Fasting preferred		1 hour	
Chromium, Blood	Ref lab	2 ml serum collected in a no additive Royal Blue tube	Laboratory	Refrigerated	5248		
CPK	Chemistry	1 ml Serum	Laboratory			1 hour	
CK MB	Chemistry	1 ml Serum	Laboratory			1 hour	
Clostridium difficile Toxin	Microbiology	0.5 gram stool Sterile container with loose	Laboratory	Compare stool to Bristol chart #6 & #7		24 hours	Reflex test: Indetermine kit test reflexes to PCR
CMV IgG	Ref Lab	1 ml serum	Laboratory	Refrigerated	403		
CMV IgM	Ref Lab	1 ml serum	Laboratory	Refrigerated	8503		
Cobalt	Ref Lab	0.5 ml serum	Laboratory	Refrigerated	345		
Complement C3/C4	Ref Lab	2 ml serum	Laboratory	Refrigerated	5704		

Complement C3/C4 CH50	Ref Lab	2 ml serum	Laboratory	Frozen	37859		
Complement C3	Ref Lab	1 ml serum	Laboratory	Refrigerated	351		
Complement C4	Ref Lab	1 ml serum	Laboratory	Frozen	353		
Coombs, Direct (Direct Anti-globulin)	Blood Bank	EDTA whole blood	Laboratory	Label tube clearly with Pt's name and ID number		<1/2 hour	False positive Direct Coombs result may occur with sample collected in tubes containing silicone gel

Coombs, Indirect (Antibody Screen)	Blood Bank	EDTA whole blood	Laboratory	Label tube clearly with Pt's name and ID number		<1/2 hour	
Cord Blood Studies	Blood Bank	EDTA whole blood	Physician				
Cortisol Total	Chemistry	1 ml serum	Laboratory				
Cortisol 24 Hour - Urine	Ref lab	2 ml urine	Nursing	Refrigerated	14534		
Coxsackie A Virus Antibodies	Ref Lab	2 ml serum	Laboratory	Refrigerated	37477		
Coxsackie B Virus Antibodies (Types 1-6)	Ref Lab	1 ml Serum	Laboratory		7656		See Q-Fever Antibodies
C-Reactive Protein (CRP)	Chemistry	2 ml serum	Laboratory				
Creatine Kinase, Total (CPK)	Lab	2 ml plasma	Laboratory				
Creatinine Clearance, 12 hour Creatinine Clearance, 24 hour Creatinine Clearance	Chemistry	1 ml serum or Plasma	Laboratory			1 hour	
Cryoglobulin: Qualitative	Ref Lab	10 ml serum	Laboratory	Room Temp Only	37358		
Crystals Body Fluid	Pathology	1 ml Body Fluid preserved in NA Heparin, green top	Physician/Laboratory	No serum separator		2 days	Monday through Friday
Culture Respiratory Viral	Ref Lab	Swab	Nursing		14867		
Culture CSF Viral	Ref Lab	CSF	Physician	Lumbar Puncture	689		
Cyclic citrullinated Peptide	Ref Lab	1 ml serum	Laboratory	Refrigerated	11173		
Cyclosporine	Ref Lab	2 ml EDTA whole blood, purple	Laboratory	Refrigerated	8812		
Cytology	Pathology	Body Fluids	Nursing/Radiology	Requires 200 ml of body fluid in sterile container. Refrigerate is delay in transportation.		24 Hours	
D							
D-dimer DDIMER	Coagulation	1.8 or 2.7 Na citrated whole blood, invert thoroughly	Laboratory	Blood specimen must fill to the frosted line on tube.		1 hour	4 Hour specimen stability
Dehydroepiandrosterone Sulfate DHEA	Ref Lab	1 ml serum	Laboratory	Refrigerated	402		
Digoxin	Chemistry	1 ml plasma or serum	Laboratory			1 hour	
Dilantin	Chemistry	1 ml serum or heparinized plasma	Laboratory	Do not collect in serum separator tube		1 hour	
DNA antibodies	Ref Lab	1 ml serum	Laboratory	Refrigerated	255		

Drug Screen Urine	Chemistry	10 ml random urine	Nursing			1 hour	Includes amphetamines, cocaine, PCP barbiturates, opiates, benzo-diazopines, and cannabinoid.
E							
Echo Virus Antibodies (Types 4,7, 9, 11, 30)	Ref Lab	2 ml serum	Laboratory		35139		

Electrolytes (Na, K and Cl)	Chemistry	2 ml serum or heparinized plasma	Laboratory			1 hour	
Electrolytes (Na, K and Cl) in urine	Chemistry	5 ml urine	Nursing			2 – 5 days	
Endomysial IgA Antibody	Ref Lab	1 ml serum	Laboratory	Refrigerated	15064	1 hour	
Enterovirus Culture	Ref Lab	Swab	Nursing		2647		
Enterovirus RNA QI PCR	Ref Lab	0.7 ml CSF sterile cap container or 1 ml plasma/serum or swab in VCM NP & red	Nursing	Refrigerated	15082		
Epinephrine	Ref Lab	4 ml plasma, collected in NA heparin (green top)	Laboratory	Frozen	37560		
Epstein-Barr Virus Antibodies (Igm & IgA) Panel	Ref Lab	1 ml serum	Laboratory	Refrigerated	6421		
Erythropoietin	Ref Lab	1 ml serum	Laboratory	Refrigerated	427		
Estradiol	Ref Lab	1 ml serum no gel	Laboratory		4021		
Ethylene Glycol	Ref Lab	2 ml serum	Laboratory	Refrigerated	801		
F							
Factor V (Leiden) Mutation Analysis	Ref Lab	5 ml EDTA whole blood, purple top	Laboratory	Refrigerated	17900		
Factor VIII Activity Clottingf	Ref Lab	1 mL NA citrated plasma, light blue, Platelet free	Laboratory	Frozen	347		
Fecal Fat, Total, Quantitative	Ref Lab	20 grams feces	Nursing	Well mixed 72, 48 or 24 hour collection. Record total specimen weight and total collection time on test requisition.	455	4-8 days	
Ferritin	Chemistry	1 ml serum or heparinized plasma	Laboratory			1 hour	
Fetaldex (Kleihauer Test)	Blood Bank	5 ml serum and 7 ml EDTA whole blood	Laboratory			90 minutes	Done only with positive fetal screen or on female with trauma.
Fetal/Maternal Hemoglobin Differentiation	Blood Bank	Emesis from baby	Nursing			90 minutes	

Fetal Screen	Blood Bank	5 ml serum and 7 ml EDTA whole blood	Laboratory	Must also order BBTYPE		90 minutes	
Fibrin Degradation Products (FDP)	Coagulation	2.7 ml Na citrated whole blood	Laboratory			30 minutes	Qualitative or Semi-Qualitative
Fibrinogen	Coagulation	1.8 or 2.7 Na citrated whole blood, invert thoroughly	Laboratory	Blood specimen must fill to the frosted line on tube.		1 hour	

Folate: Serum	Chemistry	1 ml serum or plasma	Laboratory	Do not collect in serum separator tube		1 hour	
Follicle Stimulating Hormone (FSH)	Ref Lab	1 ml serum or plasma	Laboratory	Refrigerated	470		
FTA-ABS (Fluorescent Treponemal Antibody Absorption)	Ref Lab	1 ml serum	Laboratory	Refrigerated	4112		
G							
G-6-PDH	Ref Lab	1 ml EDTA Whole Blood, purple	Laboratory	Refrigerated	500		
Gabapentin	Ref Lab	1 ml serum	Laboratory	Refrigerated	3557		
Gastrin	Ref Lab	1 ml serum	Laboratory	Frozen	478		
Gentamycin Peak & Trough	Chemistry	1 ml serum or Plasma	Laboratory	Nurse will call Lab is there are any changes in dose schedule or IV administration.		1 hour	Peak sample should be drawn 15-30 minutes after infusion is complete. Trough sample. Draw 30 minutes before next dose. Pharmacy will coordinate all draw times.
GGT, GGTP	Chemistry	1 ml serum or plasma	Laboratory			1 hour	
Giardia/Cryptosporidium	Microbiology	0.5 gram stool Sterile container with loose stool	Nursing			24 hours	
Glucose (Blood Sugar)	Chemistry	1 ml serum	Laboratory			1 hour	
Glucose (CSF)	Chemistry	1 ml CSF	Nursing	Deliver to lab ASAP		1 hour	Usually are on fasting blood specimen
Glucose (Pericardial)	Ref Lab	3 ml pericardial fluid	Physician	Refrigerated	17641		
Glucose (Peritoneal)	Ref Lab	1 ml peritoneal	Physician	Frozen	17424		
Glucose (Pleural)	Ref Lab	1 ml pleural	Physician	Refrigerated	17425		
Glucose (synovial)	Ref Lab	1 ml synovial	Physician	Refrigerated	4410		
Gestational Screen Glucose Challenge (1 hour GCT)	Chemistry	1 ml serum or plasma, green top	Laboratory	Avoid hemolysis. Fasting specimen is drawn; if within normal range, pt is given 50 gms of glucola and a single blood specimen is obtained 1 hour later.		1 hour	Gestational done between the 24th and 28th week of gestation.

Glucose Tolerance Test (GTT) 3, 4 or 5 hour	Chemistry	1 ml serum or plasma	Laboratory	Patient should fast 10-16 hours prior to the test.		1 hour	Should be scheduled in advance with the Laboratory.
Glycosylated Hemoglobin (HgBA1C)	Chemistry	2 ml EDTA Plasma, purple	Laboratory			Same Day	
Gram Stain	Microbiology	Multiple specimen types	Laboratory			Same Day	
H							

HAV	Chemistry	1 ml serum / plasma	Laboratory	separator tube. Collect 11 17 hrs after dose			Hepatitis A Virus
HBc IgM	Chemistry	1 ml serum	Laboratory	Refrigerated			Hepatitis B core Antibody IgM
HBsAb	Chemistry	1 ml serum / plasma	Laboratory	Refrigerated			Hepatitis B surface Antibody
HBsAg	Chemistry	1 ml serum / plasma	Laboratory	Refrigerated			Hepatitis B surface Antigen
HCV AB	Chemistry	1 ml serum/plasma	Laboratory	Refrigerated			anti-HCV
HCV RNA, Genotype, LIPA	Ref Lab	2 ml EDTA Plasma, purple	Laboratory	Refrigerated	37811		Reflex test
HCV RNA, Quant PCR	Ref Lab	3 ml EDTA plasma , purple top	Laboratory	Refrigerated	11348		
HDL Cholesterol	Chemistry	1ml plasma	Laboratory			1 hour	
HCG Qualitative	Serology	1 ml serum Red top	Laboratory			1 hour	
HCG Quantitative	Chemistry	1ml plasma	Laboratory			1 hour	
Helicobacter pylori Antigen,	Ref Lab	0.5 ml stool	Nursing	Frozen	34838		
H & H (Hemoglobin & Hematocrit)	Hematology	EDTA whole blood	Laboratory	Invert tube. Whole blood.Specimen can't be clotted.		1/2 hour	
Hematocrit	Hematology	EDTA whole blood	Laboratory	Invert tube. Whole blood.Specimen can't be clotted.		1/2 hour	See CBC
Hemoglobin	Hematology	EDTA whole blood	Laboratory	Invert tube. Whole blood.Specimen can't be clotted.		1/2 hour	
Hemoglobin A1C (Glycosylated) HGBA1C	Chemistry	2 ml EDTA Plasma, purple	Laboratory			Same Day	
Hemogram	Hematology	EDTA whole blood	Laboratory			1/2 hour	
Hepatic/ Liver Profile: PFLLVTR	Chemistry	1 ml serum or Plasma	Laboratory			1 hour	
Hemochromatosis (Hereditary) DNA	Ref Lab	5 ml EDTA whole blood	Laboratory	Refrigerated	35079		
Herpes Simplex 1/2 Antibody IgM	Ref Lab	1 ml serum	Laboratory	Refrigerated	90849		
Herpes Simplex 2 IgG	Ref Lab	1 ml serum	Laboratory	Refrigerated	3640		
Herpes Simplex PCR	Ref Lab	1 ml CSF or swab in VCM	Physician	Refrigerated	34257		VCM media (viruses-chlamydia-mycoplasma)
Herpes Simplex with Typing	Ref Lab	VCM swab	Physician	Refrigerated	2649		VCM media (viruses-chlamydia-mycoplasma)
High Density Lipoprotein Cholesterol (HDL)	Chemistry	1 ml serum or Plasma	Laboratory			1 hour	
Histoplasma antigen	Ref Lab	10 ml random urine	Nursing	Refrigerated	91212		

HIV-1/HIV-2 AB	Chemistry	1 ml serum	Laboratory					Do not collect in serum
HIV RNA-1 Qualitative	Ref Lab	2 ml EDTA plasma or serum	Laboratory	Frozen	16185	1-3 Days		
Homocysteine, Cardiovascular	Ref Lab	1 ml serum	Laboratory	Refrigerated	31789			
HPV DNA (High Risk)	Ref Lab	Digene, DNA collection, Thin Prep, Preserve Cyto, Cyto Rich	Physician	Room Temp	31532	7 Days		
I								
Immunofixation – Serum	Ref Lab	3 ml serum	Laboratory	Refrigerated	549			

Immunoglobulin E (IgE)	Ref Lab	1 ml serum	Laboratory	Refrigerated	542		
Immunoglobulin G (IgG)	Ref Lab	1 ml serum	Laboratory	Refrigerated	543		
Immunoglobulin G subclasses 1-4	Ref Lab	2 ml serum	Laboratory	Refrigerated	5428		
Immunoglobulin M (IgM)	Ref Lab	1 ml serum	Laboratory	Refrigerated	545		
Immunoglobulins -Comprehensive	Ref Lab	2 ml serum	Laboratory	Refrigerated	7083		
Influenza A & B	Serology	Swab	Physician/Nursing			1 hour	
Influenza Type A & B Virus Ag	Ref Lab	1 ml serum	Laboratory	Refrigerated	7250		
Influenza A Antibody	Ref Lab	1 ml serum	Laboratory	Refrigerated	687		
Influenza B Antibody	Ref Lab	1 ml serum	Laboratory	Refrigerated	4440		
Insulin Level	Ref lab	1 ml serum	Laboratory	Refrigerated	561		
Iron, Total	Chemistry	1 ml Serum or plasma	Laboratory			1 hour	
Iron Binding Capacity	Chemistry	1 ml Serum or plasma	Laboratory			1 hour	
Iron Saturation	Chemistry	1 ml Serum or plasma	Laboratory	Order Iron and Iron Binding Capacity		1 hour	
Itraconazole	Ref Lab	2 ml serum	Laboratory	Refrigerated	94092		
K							
Kappa/Lambda Free with Ratio	Ref Lab	2 ml serum	Laboratory	Refrigerated	11234		
Keppra	Ref lab	1 ml serum	Laboratory	Refrigerated	15142		
L							
Lactate Dehydrogenase (LDH) Total	Chemistry	2 ml serum or plasma	Laboratory			1 hour	
Lactate Acid	Chemistry	2 ml serum or plasma	Laboratory			1 hour	
Lactoferrin	Microbiology	0.5 gram stool Sterile container with loose stool				24 hours	
Lamellar Body Count (Fetal lung Maturity)	Ref Lab	Amniotic Fluid	Physician	Call Laboratory in Advance		Same Day	Sent to Genesis East
Latex IgE	Ref Lab	0.3 ml serum	Laboratory	Refrigerated	8927		
LDH Pericardial fluid	Ref Lab	1 ml pericardial	Physician	Refrigerated	17647		
LDH Peritoneal fluid	Ref Lab	1 ml peritoneal	Physician	Refrigerated	17588		
LDH Pleural	Ref Lab	1 ml pleural	Physician	Refrigerated	17589		
LDL Cholesterol, Direct	Chemistry	2 ml serum or plasma	Laboratory			1 hour	
Lead: blood	Ref Lab	3 ml K2EDTA – Tan Top whole blood	Laboratory	Refrigerated	599		

Leflunomide	Ref Lab	1 ml serum	Laboratory	Refrigerated	18865		
Legionella Urinary Antigen	Microbiology	1 ml urine				24 hours	
Leukocyte Alkaline Phosphatase	Hematology	Sodium Heprin green tube	Laboratory	Room temp Tube at least half full		>48 hours	Pathologist to review smears.
Lipase	Chemistry	2 ml serum or plasma	Laboratory			1 hour	
Lipoprotein (a)	Ref Lab	1 ml serum	Laboratory	Refrigerated	34604		
Lithium	Chemistry	1 ml serum or Plasma	Laboratory			1 hour	
Liver/Hepatic Profile	Chemistry	1 ml serum or Plasma	Laboratory			1 hour	
Liver Fibrosis	Ref Lab	3.5 ml Serum	Laboratory	Frozen	92688		
Lupus anticoagulant Evaluation	Ref Lab	3 ml plasma NA Citrate, platelet free	Laboratory	Frozen	7079	2 – 4 days	
Luteinizing Hormone (LH)	Ref Lab	1 ml serum	Laboratory	Do not collect in a serum separator tube	615		
Lyme Antibody Screen	Ref Lab	1 ml serum	Laboratory	Refrigerated	6646		
Lyme Disease Antibodies IgG, IgM Western Blot	Ref Lab	1 ml serum	Laboratory	Refrigerated	8593		
Lymphocyte Subset Panel 5	Ref Lab	5 ml EDTA whole blood, purple top	Laboratory	Refrigerated	8360		
M							
Magnesium	Chemistry	1 ml serum or plasma	Laboratory			1 hour	
Measles Virus Antibodies, IgG (Rubeola) Measles	Ref Lab	1 ml serum	Laboratory	Refrigerated	964		
Metanephrines, Fractionated/Total	Ref Lab	5 ml urine from a 24 ^o collection with 25ml 6N HCL	Nursing	Avoid alcohol, coffee, tea, tobacco and exercise. 3 days prior to collection	14962		
Metanephrines - Free Plasma	Ref Lab	2.5 ml EDTA plasma	Laboratory	Refrigerated	19548		
Methanol	Ref Lab	1 unopened whole blood, fluorideoxalate (gray top)	Laboratory	Refrigerated	643		
Methemoglobin	Respiratory Therapy	5 ml whole blood Lavender EDTA	Laboratory			1 hour	
Methylmalonic Acid	Ref Lab	2 ml serum	Laboratory	Refrigerated	34879		
Microalbumin	Chemistry	2 ml urine	Nursing			1 hour	
Mitochondrial Antibody	Ref Lab	0.5 ml serum	Laboratory	Refrigerated	259		
Mono Test, Rapid (Infectious Mononucleosis)	Serology	1 ml serum	Laboratory			1 hour	
MRSA/SA PCR	Microbiology	Nasal Swab	Nursing/Lab			1 hour	

Mumps Virus Antibodies (Immune Status) IgG EIA	Ref Lab	1 ml serum	Laboratory		8624		
Mycoplasma IgM	Serology	1 ml serum	Laboratory			1 hour	
Myocardial Antibodies w/ reflex	Ref Lab	1 ml serum	Laboratory	Refrigerated	261		

Myoglobin	Chemistry	1 ml plasma	Laboratory			1 hour	
Myoglobin: Urine	Ref Lab	4 ml random urine	Nursing	No additive, must be submitted in a myoglobin transport tube	661		
N							
Neonatal Metabolic Screen	State Hygienic Lab		Laboratory	Blood should be drawn from infant at least 24 hours after birth		2-3 Days	
Nicotine (serum) & Cotinine	Ref Lab	1 ml serum	Laboratory	Refrigerated	90642		
Nutrition 2 Profile	Chemistry	1 ml serum or plasma	Laboratory			1 hour	Includes Chem 8, Phosphorus, Triglycerides.
O							
Osmolrity, Serum	Ref Lab	1 ml serum	Laboratory	No preservatives	677		
Osmolrity, Urine	Ref Lab	2 ml urine (random)	Nursing	No preservatives	678		
Ova and Parasites	UHL	Fresh stool	Nursing			>2-8 hours	
P							
Parathyroid Hormone (PTH): Intact PTH	Laboratory	1 ml serum or plasma	Laboratory			1 hour	
Partial Thromboplastin Time, Activated (APTT): PTT	Coagulation	1.8 or 2.7 Na citrated whole blood, invert thoroughly	Laboratory	Blood specimen must fill to the frosted line on tube.		1 hour	4 Hour specimen stability
Mixing Studies	Hematology	Citrated whole blood -1 full blue top tube	Laboratory			2½ - 3 hrs	
Phenobarbital (Luminal), Serum	Chemistry	1 ml serum	Laboratory			12 Hours	
Phenytoin (Dilantin)	Chemistry	1 ml serum	Laboratory			1 hour	
Phosphorus	Chemistry	1 ml serum	Laboratory			1 hour	
PinWorm Examination	Microbiology	Pin worm paddle	Nursing			1 hour	Call Micro for pin worm paddle.
Platelet Count	Hematology	EDTA whole blood -1 full lavender top tube	Laboratory			1 hour	
Potassium, Serum	Chemistry	2 ml serum or plasma	Laboratory	Avoid hemolysis		1 hour	
Potassium, Urine	Chemistry	5 ml urine	Nursing	Aliquot from a random or well mixed 24, 48, or 72 hours collection. Keep refrigerated.		1 hour	Specify source. Record total specimen weight and total collection time.

Potassium Hydroxide Wet Mount (KOH Prep)	Microbiology	Sputum, skin, scrapings, nail cuttings in tightly sealed sterile 50 ml plastic tubes.				1 hour	Do not submit transport swab specimens.
Prealbumin	Chemistry	2 ml serum or plasma	Laboratory	Avoid hemolysis		1 hour	
Primidone (Mysoline) Includes Phenobarbital metabolite	Ref Lab	1 ml serum	Laboratory	Refrigerated	751		
Progesterone	Ref Lab	1 ml serum	Laboratory	Refrigerated	745		
Procalcitonin	Ref Lab	2 ml serum	Laboratory	Frozen	16265	2-4 Days	
Prolactin	Ref Lab	1 ml serum	Laboratory	Refrigerated	746		
Prostate Specific Antigen (PSA)	Ref Lab	4 ml serum Dark Blue Top No additive	Laboratory	Must be in Lab within 30 Minutes		4 days	Mon – Fri
Prostatic Acid Phosphatase	Ref Lab	1 ml serum	Laboratory	Spec needs to be frozen within 24 hrs	208		
Protein, Pericardial Fluid	Ref Lab	1 ml pericardial fluid in sterile container	Physician	Refrigerated	17429		
Protein, Peritoneal Fluid	Ref Lab	1 ml peritoneal fluid in sterile containerf	Physician	Refrigerated	17428		
Protein, Pleural	Ref Lab	1 ml pleural fluid in sterile container	Physician	Refrigerated	17427		
Protein, Synovial Fluid	Ref Lab	1 ml synovial fluid	Physician	Refrigerated	4404		
Protein C & S Activity with Reflex	Ref Lab	2 ml platelet poor NA Citrate plasma	Laboratory	Frozen	7942		
Protein Electrophoresis: Serum	Ref Lab	2 ml serum	Laboratory	Refrigerated	747		
Protein Electrophoresis: Urine	Ref Lab	25 ml urine	Physician/Nursing	Refrigerated	8525		
Prothrombin time (PT) [INR included] (Reference to INR)	Coagulation	1.8 or 2.7 Na citrated whole blood, invert thoroughly	Laboratory	Blood specimen must fill to the frosted line on tube.		1 hour	Specimen stable at room temp for 24 hours
Q							
Quantiferon TB Gold	Ref Lab	3 tubes supplied by Quest (Red, Gray & Purple)	Laboratory	Follow instructions on the collection kit, includes incubation of tubes	16603		
R							
Rapid Plasma Reagin (RPR)	Ref Lab	1 ml serum	Laboratory	Refrigerated	36126		
Renal Profile	Chemistry	EDTA whole blood	Laboratory			1 hour	

Renin Activity	Ref Lab	0.8 frozen EDTA plasma	Laboratory	Frozen	16846		Renin activity is altered by some medications, including oral contraceptives, diuretics and antihypertensive agents. Diurnal variations occur with highest levels in the morning. Salt intake, posture or other factors which might change extracellular fluid volumes will also alter renin values. Specimens should be collected under the following conditions: 1) Pt should maintain normal sodium intake (75–150mEq) for at least 3 days prior to specimen collection. For rennin studies after sodium depletion, maintain a diet of 20mEq sodium and 90 mEq potassium for 3 days prior to specimen collection. 2) Diuretics, estrogens, and oral contraceptive agents should be discontinued for at least 2 weeks before study. Nondiuretic, antihypertensive drugs should be discontinued several days.
Respiratory Syncytial Virus DFA (RSV)	Serology	Nasopharyngeal swab	Nursing			Same day	Mon-Sun

Reticulocyte Count	Hematology	EDTA whole blood - 1 full lavender top tube	Laboratory			Same day	
Rheumatoid Factor (RF): Quantitative	Ref Lab	1 ml serum	Laboratory			2 days	Mon-Sat
Rh Phenotyping	Blood Bank	7ml EDTA whole blood	Laboratory			<1/2 hour	
RhoGam Profile	Blood Bank	5 ml EDTA	Laboratory				No Blood Bank ID Bracelet required
Rotavirus	Microbiology	0.5 gram stool Sterile container with loose stool	Nursing			24 hours	
Rubella Virus IgG Antibody RUBELLA	Chemistry	1 ml serum	Laboratory	Immune Status only		Same Day	The presence of antibody suggests previous infection or vaccination with Rubella virus.
Rubeola Virus IgG Antibody MEASLES	Chemistry	2 ml serum or plasma	Laboratory			1 hour	7-3 shift only. Done in batch.
S							
Sedimentation Rate, Westergren	Hematology	EDTA whole blood	Laboratory	4 Hour Room Temp stability		1.5 hours	Requires 1 full mL of whole blood, not clotted.
Shiga Toxin Antigen	Microbiology	1 gram stool in clean container	Nursing			24 hours	
Sickle Cell Screen (Hemoglobinopathy Evaluation)	Ref Lab	1 ml EDTA whole blood	Laboratory			1 day	Mon - Sat
Sirolimus	Ref Lab	2 ml EDTA whole blood, purple	Laboratory	Refrigerated	36712		
Sjogren's Antibodies (SS-A and SS-B)	Ref Lab	1 ml serum	Laboratory	Refrigerated	7832		
SM & RNP Antibodies	Ref Lab	0.5 ml serum	Laboratory	Refrigerated	7448		
Smear Acid Fast	Ref Lab	sputum and other fluids	Nursing/Laboratory	Refrigerated			Acid Fast Smear and Acid Fast Culture are two different things but often go together
Smooth Muscle Antibody	Ref Lab	0.5 ml serum	Laboratory	Refrigerated	263		
Sodium: Serum	Chemistry	1 ml serum or plasma	Laboratory				
Sodium: Urine	Chemistry	5 ml urine	Nursing/Lab				
Streptococcus Pneumonia Ag.	Microbiology	1 ml urine	Laboratory			24 hrs	
T							
T3 Free	Ref Lab	1 ml serum	Laboratory	Refrigerated	34429		
T3 Reverse LC/MS/MS	Ref Lab	0.5 ml serum	Laboratory	Refrigerated	90963		
T3, Total	Ref Lab	1 ml serum	Laboratory	Refrigerated	859		
T3 Uptake	Ref Lab	1 ml serum or plasma	Laboratory	Refrigerated	861	2 Days	

T4 Free	Chemistry	1 ml serum or plasma	Laboratory			1 hour	
T4 Total	Ref Lab	1 ml serum or plasma	Laboratory	Refrigerated	867		
Tacrolimus	Ref Lab	2 ml EDTA whole blood, purple	Laboratory	Refrigerated	70007		
Testosterone: Free and Total	Ref Lab	1 ml serum or plasma	Laboratory	Refrigerated	36170		
Testosterone: Total	Ref Lab	1 ml serum or plasma	Laboratory		15983		
Theophyline (Aminophyline)	Chemistry	1 ml serum or plasma	Laboratory			1 hour	
Thin Prep Pap	Ref Lab	Pap collection kit	Physician				Weland Laboratories
Thin Prep Pap Reflex HPV	Ref Lab	Thin Prep collection kit required	Physician		31530	2 days	Mon - Fri
Thrombin Clotting Time	Ref Lab	1 ml NA Citrate plasma- Frozen	Laboratory	Frozen	883		
Thyroglobulin	Ref Lab	0.5 ml serum	Laboratory	Refrigerated	90810		
Thyroglobulin Antibody	Ref Lab	1 ml serum	Laboratory	Refrigerated	267		
Thyroglobulin Panel	Ref Lab	3 ml serum	Laboratory	Refrigerated	30278		
Thyroid Peroxidase Antibody	Ref Lab	1 ml serum	Laboratory	Refrigerated	5081		
Thyroid Stimulating Hormone (TSH)	Chemistry	1 ml serum or plasma	Laboratory			1 hour	
TSH Antibody	Ref Lab	1 ml serumf	Laboratory	Refrigerated	36577		

Tissue (Surgical specimens or specimens from floor) HISTO	Histology	Specimen from inpatient or outpatient surgery or floor	Nursing	Deliver to lab ASAP. Add formalin if necessary. Exceptions: Pathologist immediate examination, including lymph nodes. Place extremities in refrigerator		1 – 3 days	Collect tissue in a sterile manner, Deliver to lab ASAP, Do not refrigerate.
Tissue, Genetic Studies							
Tissue Transglutaminase AB IgG	Ref Lab	1 ml serum	Laboratory	Refrigerated	11070		
Tobramycin (Nebcin) Peak	Chemistry	1 ml serum or plasma	Laboratory			1 hour	
Topiramate	Ref Lab	1 ml serum	Laboratory	Refrigerated	30965		
Transferrin	Chemistry	1 ml serum or plasma	Laboratory			1 hour	
Triglycerides	Chemistry	1 ml serum or plasma	Laboratory			1 hour	
Triglycerides, Peritoneal Fluid	Ref Lab	1 ml peritoneal fluid in sterile containerf	Physician	Refrigerated	17591		
Triglycerides, Pleural Fluid	Ref Lab	1 ml pleural fluid in sterile container	Physician	Refrigerated	17592		
Troponin	Chemistry	1 ml serum or plasma	Laboratory			1 hour	
Type and Cross Match	Blood Bank	5 ml EDTA, 7mL red		Pt needs BB ID bracelet			Not a single order. Refer to Blood Bank order sheet.
Type and Rh	Blood Bank	5 ml EDTA					Includes ABO, and Rh
Type and Screen BBTS	Blood Bank	5 ml EDTA, 7 ml red top tube		Pt needs BB ID bracelet			BBTS – good for 72 hrs. Includes ABO, Rh and Antibody screen
U							
Urea Nitrogen (BUN) Serum	Chemistry	1 ml serum or plasma	Laboratory			1 hour	
Urea Nitrogen (BUN) Urine	Chemistry	5 ml urine	Nursing			< 24 hrs	

Uric Acid: Serum	Chemistry	1 ml serum or plasma	Laboratory			1 hour	
Uric Acid: Synovial Fluid	Ref Lab	1 ml synovial fluid in sterile container	Physician	Refrigerated	4403		
Uric Acid: 24 ^o Urine	Chemistry	10 ml urine	Nursing	Aliquot from a well mixed 24 hour collection. No preservatives			
Urinalysis, routine UA	Clinical Microscope	10 ml urine	Nursing			1 hour	Includes Microscopic exam
Urine for Eosinophils	Ref Lab	8 ml urine	Nursing/Laboratory	Transport in urinalysis (yellow top) transport tube, filled to the blue fill line.	8559		
V							
Valproic Acid (Depakene) VPA	Chemistry	1 ml serum or plasma	Laboratory				
Vancomycin Trough	Chemistry	1 ml serum or plasma	Laboratory				Pharmacy determines draw times
Vancomycin Random	Chemistry	1 ml serum or plasma	Laboratory				Pharmacy determines draw times
Vanillylmandelic Acid (VMA)	Ref Lab	10 ml urine	Nursing	Aliquot from a well mixed 24 hr urine collection. Add 30 ml of 6N HCL container at start of collection. Final pH should be <3.0 A-85,86	934	5 days	High doses of triamterene, Octopamine, Phenolic amines from dietary sources and phenylpyruvic acid should be avoided. Methyl dopa and labetalol should be completely avoided. Performed Mon, Wed
Varicella Zoster Virus, IgG Antibody (VZV)	Ref Lab	1 ml serum or plasma	Laboratory	Refrigerated	4439		
VDRL – CSF	Ref Lab	1 ml CSF	Physician	Refrigerated	4128		
Vitamin A (Retinol)	Ref Lab	3 ml serum	Laboratory	Protect from Light, Refrigerated	921		
Vitamin B12	Chemistry	1 ml serum	Laboratory	Fasting specimen preferred.		1 day	
Vitamin B12 Folate	Chemistry	1 ml serum or plasma	Laboratory			1 day	
Vitamin D (1,25 dihydroxy or 25 hydroxy) LC/MS/MS	Ref Lab	1 ml serum	Laboratory	Refrigerated	16558		
VLDL Cholesterol	Chemistry	1 ml serum	Laboratory			1 hour	See cholesterol, Very Low Density Lipoprotein
W							
White Blood Cell Count (WBC) (Suggest HGM order)	Hematology	EDTA whole blood – 1 full lavender top tube	Laboratory			1/2 hour	
Z							
Zinc Level	Ref Lab	2 ml EDTA plasma in Royal Blue tube	Laboratory	Refrigerated	945		