

Test Code	Test Name	CPT Code(s)	Sunquest Code	Specimen Requirements	Specimen Handling, Rejection and Patient Prep
1885	11- Deoxycortisol (Specific Compound 5)	82634	11DES	Red Top or Serum gel tube - 1.0 ml serum. Minimum volume - 0.5 ml	Centrifuge tube and freeze serum in tube with screw cap. Freeze immediately and maintain frozen. Submit separate frozen specimens for each test requested.
1621	17 - Hydroxypregnenolone	84143	PRNE	Serum gel tube, red-top or lavender-top (EDTA) tube - 1 ml serum or plasma, FROZEN Minimum volume - 0.5 ml.	Centrifuge tube and freeze serum in tube with screw cap. Freeze immediately and maintain frozen. Submit separate frozen specimens for each test requested. Reject: Non-serum or non-EDTA plasma specimen.
1593	17 - Hydroxyprogesterone	83498	PROH	Serum gel tube, red-top or Lavender Top - 1 ml serum or plasma. Minimum volume - 0.5 ml.	If collection tube other than Serum gel tube is used, separate serum or plasma into plastic transport tube. Include patient age on test request.
	17-Hydroxysteroids			See Cortisol, Urinary Free	
1096	5-Flucytosine (Antifungal Level 5-Fluor)	80299	5FLU	Red-top tube - 3 ml serum FROZEN	No gel barrier tube. Serum should be separated from cells within 2 hours of venipuncture. Send serum in plastic transport tube.
1403	5-HIAA, 24 Hr Urine	83497	HA24	Urine - 30 ml. aliquot from 24 hour collection, no preservative required. Minimum volume - 1 ml.	Avoid avocado, bananas, eggplant, kiwi fruit, nuts, pineapple, plums, tomato products and interfering drugs for a 72 hour period prior to and during collection.
	5-Hydroxytryptamine			See Serotonin	
21808	5-Methyltetrahydrofol	82491	MTH	CSF- 0.5 ml in sterile specimen vial	Transfer the samples to a -80°C freezer as soon as possible. If the samples are blood contaminated, centrifuge the tubes immediately (prior to freezing) and transfer the clear CSF to new collection tubes. Transfer the samples to a -80 °C freezer as soon as possible.
1533	5-Nucleotidase	83915	NUCL	Red-top tube, Serum gel tube, lavender-top (EDTA), or green-top (heparin) tube - 1 ml. serum or plasma Minimum volume - 0.5 ml.	Maintain specimen at room temperature.
1141	ABO/ RH	86900, 86901	ABRH	Lavender-top or pink-top (EDTA) tube - 5 ml whole blood	Specimen must be hand labeled
	ACE			See Angiotensin Converting Enzyme	
1286	Acetaminophen (Tylenol)	82003	ACEM	Serum gel tube - 2 ml. serum Pediatric minimum sample - 0.7 ml	
1313	Acetone	82010	ACET	Red-top or serum gel tube - 2 ml serum	Must not open tube before testing
1076	Acetylcholine Receptor Antibody (ACHR Binding Antibody)	83519	ACR	Red-top or Serum gel tube - 1 ml. serum Minimum volume: 0.3 ml.	If a red Top tube is used, transfer separated serum to a plastic transport tube. Reject: hemolysis, chylous serum, plasma specimen, recently administered radioisotopes.
9728	Achondroplasia	81404	ACHD	Lavender-top (EDTA) tube - 5 to 10 ml. whole blood	Specimen must be kept at room temperature
	Acid Maltase			See POMPE Disease	
31465	Acid Phosphatase(ACP, Total)	84066	ACPH1	Serum gel tube - 1.5 ml serum FROZEN	Serum should be separated from cells within 2 hours of venipuncture. Send serum in a plastic transport tube.
1246	ACTH (Adrenocorticotrophic Hormone), Plasma	82024	ACTH	Chilled plastic or siliconized glass lavender-top (EDTA) tube - 1.0 ml plasma. Minimum volume - 0.5 ml.	After collection, immediately immerse tube into ice bath. Deliver to lab on wet ice ASAP. Spin tube, place plasma in plastic sendoff vial within one hour of venipuncture, freeze immediately.
28726	Activated Clotting Time (Lab)	85347	ACTL	Blue-top (sodium citrate) tube - 2.7 ml. whole blood. Minimum volume - 0.8 ml.	
38012	Activated Protein C Resistance	85307	APCR	Blue-top (sodium citrate) tube - 2 ml. plasma, FROZEN Minimum volume - 1 ml.	Blood should be collected in a blue-top tube containing 3.2% buffered sodium citrate. Evacuated collection tubes must be filled to completion to ensure a proper blood-to-anticoagulant ratio. Spin tube and FREEZE plasma in plastic sendoff vial. Reject: Hemolysis; clotted specimen; specimen not received frozen
1110	Acylcarnitine Profile, Duke Sendout	82017	ACPL	Green-top (heparin) tube - 1 ml plasma, FROZEN. Pediatric minimum specimen required - 0.3 ml plasma.	Centrifuge and freeze plasma at -20°C.
40926	Acylcarnitine, Quantitative	82017	EEACYP	Green-top (sodium heparin) tube - 0.5 ml plasma. Pediatric minimum specimen required - 0.1 ml plasma.	Centrifuge tube and freeze serum in plastic sendoff vial immediately. Submit separate frozen specimens for each test requested.
55090	ADAMTS13 Activity	85397	AD13AC	Blue-top (sodium citrate) tube - 1 ml. plasma, FROZEN. Minimum volume - 0.3 ml.	Collection Blood should be collected in a blue-top tube containing 3.2% buffered sodium citrate. Evacuated collection tubes must be filled to completion to ensure a proper blood-to-anticoagulant ratio. The sample should be mixed immediately by gentle inversion at least six times to ensure adequate mixing of the anticoagulant with the blood. A discard tube is not required prior to collection of coagulation samples. When noncitrate tubes are collected for other tests, collect sterile and nonadditive (red-top) tubes prior to citrate (blue-top) tubes. Any tube containing an alternate anticoagulant should be collected after the blue-top tube. Serum gel-barrier tubes and serum tubes with clot initiators should also be collected after the citrate tubes. Centrifuge and carefully remove the plasma using a plastic transfer pipette, being careful not to disturb the cells. Transfer the plasma into a frozen specimen tube with screw cap. The specimen should be frozen immediately and maintained frozen until tested. To avoid delays in turnaround time when requesting multiple tests on frozen samples, please submit separate frozen specimens for each test requested.
55089	ADAMTS13 Activity Reflex Panel (ADAMTS13 activity with reflex to ADAMTS13 antibody for activity <30%)	85397	AD13RX	Blue-top (sodium citrate) tube- 1 ml. plasma, FROZEN Minimum volume - 0.3 ml.	Centrifuge for 10 minutes and (using a transfer pipette) carefully remove two-thirds of the plasma without disturbing the cells. Transfer to a plastic transport tube, cap, and recentrifuge for 10 minutes. Use a second plastic pipette to remove the plasma, staying clear of the platelets at the bottom of the tube. Transfer the plasma to a plastic sendoff vial. The specimen should be frozen immediately and maintained frozen until tested. To avoid delays in turnaround time when requesting multiple tests on frozen samples, please submit separate frozen specimens for each test requested. Causes for Rejection: Severe hemolysis; improper labeling; clotted specimen; specimen diluted with I.V. fluids; samples thawed in transit; improper sample type; sample out of stability.

54384	ADAMTS13 Antibody	83520	AD13AB	Blue-top (sodium citrate) tube-1.0 ml. plasma, <b>FROZEN</b> . Minimum volume-0.3 ml. plasma.	Collection: Blood should be collected in a blue-top tube containing 3.2% buffered sodium citrate. Evacuated collection tubes must be filled to completion to ensure a proper blood-to-anticoagulant ratio. The sample should be mixed immediately by gentle inversion at least six times to ensure adequate mixing of the anticoagulant with the blood. A discard tube is not required prior to collection of coagulation samples. When noncitrate tubes are collected for other tests, collect sterile and nonadditive (red-top) tubes prior to citrate (blue-top) tubes. Any tube containing an alternate anticoagulant should be collected after the blue-top tube. Serum gel-barrier tubes and serum tubes with clot initiators should also be collected after the citrate tubes. Centrifuge and carefully remove the plasma using a plastic transfer pipette, being careful not to disturb the cells. Transfer the plasma into a frozen specimen tube with screw cap. The specimen should be frozen immediately and maintained frozen until tested. To avoid delays in turnaround time when requesting multiple tests on frozen samples, please submit separate frozen specimens for each test requested.
21842	Adenosine Deaminase, Fluid	84311	DEAM	CSF or Body Fluid - 1 ml. fluid in sterile container, <b>FROZEN</b>	Time Sensitive; Must be sent to Reference Lab on same day. Centrifuge sample and freeze supernatant.
19263	Adenovirus Antibody	86603	ADAB	Red-top or Serum gel tube - 1 ml serum Minimum volume - 0.5 ml.	Identify specimens as acute or convalescent. Causes for Rejection: Hemolysis, lipemia, gross bacterial contamination. Maintain specimen at room temperature
	Adenovirus DFA			See DFA, Adenovirus	
54608	Adenovirus Quant PCR, BAL, Viracor	87799	ADPBAL	BAL - 2 ml., <b>FROZEN</b> . Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and <b>FROZEN</b> .
54607	Adenovirus Quant PCR, Bone Marrow, Viracor	87799	ADPBM	Lavender-top (EDTA) tube - 2 ml. bone marrow. Minimum volume - 0.2 ml.	Do not centrifuge.
54612	Adenovirus Quant PCR, Bronch Wash, Viracor	87799	ADBRON	Bronch wash - 2 ml., <b>FROZEN</b> . Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and <b>FROZEN</b> .
54606	Adenovirus Quant PCR, CSF, Viracor	87799	ADPCSF	CSF - 2 ml., <b>FROZEN</b> . Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and <b>FROZEN</b> .
54613	Adenovirus Quant PCR, NP, Viracor	87799	ADPNP	Sterile swab placed in 2 mL sterile saline, M4, or viral transport media in a sterile, screw top tube (minimum volume 0.5 mL).	Do not use calcium alginate swab or wood shafted swab.
54611	Adenovirus Quant PCR, Pericardial Fluid, Viracor	87799	ADPERI	Pericardial Fluid - 2 ml., <b>FROZEN</b> . Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and <b>FROZEN</b> .
43584	Adenovirus Quant PCR, Plasma, Viracor	87799	ADPP	Lavender-top (EDTA) or yellow-top (ACD) tube - 2 ml. plasma, <b>FROZEN</b> . Minimum volume - 0.5 ml.	Centrifuge and transfer 2 ml. of plasma to a sterile, screw-top tube and <b>FREEZE</b> .
54610	Adenovirus Quant PCR, Pleural Fluid, Viracor	87799	ADPLEU	Pleural Fluid - 2 ml., <b>FROZEN</b> . Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and <b>FROZEN</b> .
54609	Adenovirus Quant PCR, Serum, Viracor	87799	ADPS	Red-top tube - 2 ml. serum, <b>FROZEN</b> . Minimum volume - 0.5 ml.	Centrifuge and transfer 2 ml. of serum to a sterile, screw-top tube and <b>FREEZE</b> .
43586	Adenovirus Quant PCR, Stool, Viracor	87799	ADPST	Stool - small amount of fecal material (size of pea or 2 ml. liquid stool)	Place in screw top tube and <b>FREEZE</b> .
43585	Adenovirus Quant PCR, Urine, Viracor	87799	ADPU	Urine - 2 ml., <b>FROZEN</b> . Minimum volume - 0.5 ml.	Collect in a sterile urinalysis container, then transfer to a sterile, screw-top tube and <b>FREEZE</b> .
1486	ADH (Antidiuretic Hormone, Vasopressin)	84588	ADHV	Lavendar-top (EDTA) tube - 2 ml. plasma <b>FROZEN</b>	Deliver to lab on wet ice ASAP. Centrifuge in a refrigerated centrifuge. Separate plasma and freeze in a plastic transport tube. administered within 24 hours prior to venipuncture.
	Adrenocorticotrophic Hormone			See ACTH	
1806	AFB (Acid Fast Bacillus) Smear	87206	BBX	Submit specimen in container. Will be only test performed on patient with 3 positive AFB cultures in last 30 days.	For optimum results, obtain first morning specimen prior to breakfast. Acceptable specimens are sputum, tracheal aspirates, and bronical washes (non-quantitative). Also acceptable are tissues, fluids, and drainage. Swabs are unacceptable.
	AFB (Acid Fast Bacillus) Culture			See Culture, AFB	
55633	AFP (Alpha-Fetoprotein), Spinal Fluid, Mayo	86316	AFPSF	CSF - 1 ml. in sterile specimen vial	Specimen is stable frozen (preferred) or refrigerated for 7 days. Reject: Gross hemolysis.
58473	AFP (Alpha-Fetoprotein), Tumor Marker	82105	AFP	Red-top or Serum gel tube - 1.0 ml serum Minimum volume - 0.5 ml.	
55631	AFP Sequential 1	84163, 84702	AFPSQ1	Serum gel tube, no thrombin additive-3 ml. serum. Minimum volume - 1ml.	Avoid hemolysis. Centrifuge and send complete specimen in the original tube. Do not pour off. Refrigerate. Client must provide fetal nuchal translucency (NT) measurement and crown rump length measurement. The NT measurement must be performed by a sonographer credentialed by the Fetal Medicine Foundation or other equivalent entity. The sonographer's credential/certification number must be provided. The following information also must be provided: patient's race, patient's weight, patient's date of birth, patient's insulin-dependent diabetic status, and the number of fetuses. Also indicate patient history (ie, prior Down syndrome pregnancy, ultrasound anomalies). Complete information is necessary to interpret the test. Patient information may be provided to the laboratory using the Maternal Prenatal Screening requisition. Serum testing is provided from 10.0 to 13.9 weeks of gestation. NT can be assessed when the CRL is 45 to 84 mm.
55632	AFP Sequential 2	82105, 82677, 84702, 86336	AFPSQ2	Serum gel tube, no thrombin additive - 5 ml. serum. Minimum volume - 3 ml.	Avoid hemolysis. Centrifuge and send complete specimen in the original tube. Do not pour off. Patient must have submitted a previous specimen in the first trimester for the Sequential 1 test. Gestational age will be based on crown rump length provided with the first trimester specimen. Patient information may be provided to the laboratory using the Maternal Prenatal Screening test request. Testing is provided from 15.0 to 21.9 weeks of gestation.

2712	AFP Single Maternal Screen	82105	NNAFPM	Serum gel tube, no thrombin additives - 3 ml. serum	Centrifuge. Do not pour off serum, must be kept in parent tube. Maternal screen form must accompany specimen. Reject: Gross hemolysis, gross lipemia Refrigerate.
42518	AFP Tetra Profile (Includes $\alpha$ -fetoprotein, unconjugated estriol, Inhibin A, HCG)	82105, 82677, 86336, 84702	AFPTET	Serum gel tube, no thrombin additives - 5 ml. serum. Minimum volume - 3 ml. serum	Centrifuge. Do not pour off serum, must be kept in parent tube. Maternal screen form must accompany specimen. Reject: Gross hemolysis, gross lipemia Refrigerate.
24057	ALA Delta, 24 Hr Urine ALA-D $\pm$ PBG-D (RBC ALA Dehydrase, Porphobilinogen Deaminase, Uroporphyrin Synthase)	82657	ALAD	See Aminolevulinic Acid Green-top (heparin) tube - 5 ml whole blood	Specimen MUST arrive at Mayo within 48 hours of collection. Specimen should be placed on wet ice immediately following collection. Refrigerate.
1323	Albumin	82040	ALB	Green-top (lithium heparin) plasma gel tube - 1 ml plasma.	
39797	Albumin, Body Fluid		EEFALB	Body Fluid - 1 ml. in sterile screw top vial.	Specify fluid source.
33740	Albumin, CSF	82042	ALBCF	CSF - 1.0 ml Minimum volume - 0.5 ml.	Reject: CSF with excessive blood Storage: Stable at room temperature for 14 days.
1346	Aldolase, Serum or Plasma	82085	ALDO	Red-top tube (Plasma containing citrate, oxalate, fluoride, EDTA, or heparin may be used) - 1.0 ml. serum Minimum volume - 0.5 ml.	Deliver to lab ASAP. Centrifuge to separate serum or plasma within 30 minutes of collection; Reference Lab Clients: Spin tube and refrigerate serum in plastic sendoff vial. Reject: Hemolyzed specimens
1124	Aldosterone, 24 Hr Urine	82088	ALD24	Urine - 10 ml. aliquot of 24 hour collection, no preservative required. Minimum volume - 1 ml.	Instruct patient to void at 8 am and discard specimen. Then collect all urine for next 24 hr period. Stable at room temperature for 7 days. refrigerated for 14 days.
1310	Aldosterone, Blood	82088	ALDS	Red-top, serum gel, or lavender-top (EDTA) tube - 1 ml. serum or plasma Minimum volume - 0.5 ml.	If tube other than gel-barrier is used, transfer separated serum or plasma to a plastic transport tube. Patient should be ambulatory for 30 minutes prior to collection.
1331	Alkaline Phosphatase	84075	ALP	Green-top (lithium heparin) plasma gel tube - 1 ml plasma.	
43479	Alkaline Phosphatase, Bone-Specific (Skeletal Alkaline Phosphatase)	84080	BSAP	Red top or serum gel tube 1 ml. serum. Minimum volume - 0.5 ml.	If a red top is used, centrifuge, and transfer serum to a plastic transport tube. Store sample at 2 <sup>o</sup> C to 8 <sup>o</sup> C if testing will be performed within 24 to 48 hours. Specimens held longer should be frozen at -20 <sup>o</sup> C to -70 <sup>o</sup> C. Reject: gross hemolysis; quantity not sufficient to analyze.
1223	Alkaline Phosphatase, Isoenzymes (Fractionated Alkaline Phosphatase)	84075, 84080	ALKP	Red-top or Serum gel tube - 2 ml. serum. Minimum volume - 0.5 ml.	Patient must be fasting. Separate serum from cells as soon as possible after blood has clotted.
42160	Allergen, Almond F20 by ImmunoCAP	86003	ALMD	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
41434	Allergen, Anchovy F313 by ImmunoCAP	86003	ANCHV	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55674	Allergen, Annatto Seed (Bixa orellana) IgE, Viracor	86003	ANNATO	Red-top tube - 1 ml. serum. Minimum volume - 0.5 ml.	Centrifuge and transfer serum into a plastic transport tube. Refrigerate.
55644	Allergen, Apple F49 by ImmunoCAP	86003	APPLE	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55642	Allergen, Avocado F96 by ImmunoCAP	86003	AVOC	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
45793	Allergen, Bahia Grass G17 by ImmunoCAP	86003	BAHIA	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55645	Allergen, Banana F92 by ImmunoCAP	86003	BANANA	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39877	Allergen, Beef F27 by ImmunoCAP	86003	EEBEEF	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39853	Allergen, Bermuda Grass G2 by ImmunoCAP	86003	EEBG	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55672	Allergen, Box Elder Maple T1 by ImmunoCAP	86003	MELDER	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
42154	Allergen, Brazil Nut F18 by ImmunoCAP	86003	BRZL	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55671	Allergen, Bumblebee I205 by ImmunoCAP	86003	BUMBEE	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55638	Allergen, Cacao F93 by ImmunoCAP	86003	CACAO	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55675	Allergen, Carmine Red Dye	86003	REDDYE	Red-top or serum gel tube - 1 ml. serum. Minimum volume - 0.2 ml.	If a red-top tube is used, centrifuge and transfer serum to a plastic transport tube.
39885	Allergen, Cashew Nut F202 by ImmunoCAP	86003	CSHW	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39831	Allergen, Cat Dander E1 by ImmunoCAP	86003	MCAT2	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55643	Allergen, Chick Pea F309 by ImmunoCAP	86003	CHKPEA	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST

39881	Allergen, Chicken F83 by ImmunoCAP	86003	EECHI	Serum gel tube (SST), 6 ml. Fill tubes completely..	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39866	Allergen, Clam F207 by ImmunoCAP	86003	MCLAM	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39832	Allergen, Cockroach American I206 by ImmunoCAP	86003	ROACH	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
37070	Allergen, Cockroach German I6 by ImmunoCAP	86003	MROACH	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
42156	Allergen, Coconut F36 by ImmunoCAP	86003	CCNUT	Serum gel tube - 2.0 ml serum.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39838	Allergen, Cottonwood T14 by ImmunoCAP	86003	EECOT	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39869	Allergen, Cow Milk F2 by ImmunoCAP	86003	EEMI	Serum gel tube - 2.0 ml serum.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
41433	Allergen, Crab F23 by ImmunoCAP	86003	CRAB	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
41435	Allergen, Crayfish F320 by ImmunoCAP	86003	CRFSH	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39833	Allergen, Dog Dander E5 by ImmunoCAP	86003	MDOG	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39827	Allergen, Dust Mite (D. farinae) D2 by ImmunoCAP	86003	MMITE	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39828	Allergen, Dust Mite (D. Pteronissinus) D1 by ImmunoCAP	86003	MMITE2	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
49803	Allergen, Egg Ovalbumin F232 by ImmunoCAP	86003	OVALB	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
49802	Allergen Egg Ovomuroid F233 by ImmunoCAP	86003	OVOMU	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39870	Allergen, Egg White F1 by ImmunoCAP	86003	MEGG	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39871	Allergen, Egg Yolk F75 by ImmunoCAP	86003	EEEYO	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39835	Allergen, Elm T8 by ImmunoCAP	86003	MELM	Serum gel tube (SST), 6 ml. Fill tubes completely	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55663	Allergen, Fire Ant I70 by ImmunoCAP	86003	FANT	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39865	Allergen, Fish Cod F3 by ImmunoCAP	86003	MFISH	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55658	Allergen, Gluten F79 by ImmunoCAP	86003	GLUTEN	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39849	Allergen, Goosefoot Lamb Quarters W10 by ImmunoCAP	86003	MLAMBS	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55657	Allergen, Grapefruit F209 by ImmunoCAP	86003	GRFRT	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39830	Allergen, Greer House Dust H1 by ImmunoCAP	86003	EEGHD	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55639	Allergen, Gulf Flounder F147 by ImmunoCAP	86003	GLFFLD	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
41436	Allergen, Halibut F303 by ImmunoCAP	86003	HALBT	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
42157	Allergen, Hazel Nut F17 by ImmunoCAP	86003	HAZL	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55655	Allergen, Herring F205 by ImmunoCAP	86003	HRNG	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55660	Allergen, Honeybee I1 by ImmunoCAP	86003	HONBEE	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39834	Allergen, Horse Dander E3 by ImmunoCAP	86003	EEHOR	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55670	Allergen, Horse Fly I204 by ImmunoCAP	86003	HORFLY	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39842	Allergen, Japanese Cedar T17 by ImmunoCAP	86003	EECED	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39856	Allergen, Johnson Grass G10 by ImmunoCAP	86003	MJOHN	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55647	Allergen, Kiwi F84 by ImmunoCAP	86003	KIWI	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55656	Allergen, Lemon F208 by ImmunoCAP	86003	LEMON	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55668	Allergen, Lime F306 by ImmunoCAP	86003	LIME	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST

41437	Allergen, Lobster F80 by ImmunoCAP	86003	MLOB	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55669	Allergen, Macadamia F345 by ImmunoCAP	86003	MACA	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
41438	Allergen, Mackerel F206 by ImmunoCAP	86003	MCKRL	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39867	Allergen, Maize Corn F8 by ImmunoCAP	86003	MCORN	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55667	Allergen, Mandarin F302 by ImmunoCAP	86003	MAND	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39845	Allergen, Maple Leaf Sycamore T11 by ImmunoCAP	86003	EESYC	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39854	Allergen, Meadow Fescue Grass G4 by ImmunoCAP	86003	EEFG	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55659	Allergen, MeadowKyBlue Grass G8 by ImmunoCAP	86003	MMEAD	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
49794	Allergen, Milk A1actalbumin F76 by ImmunoCAP	86003	ALCTAL	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST.
49795	Allergen, Milk B1actoglobulin F77 by ImmunoCAP	86003	BLCTGL	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
49758	Allergen, Milk Casein Prot F78 by ImmunoCAP	86003	CASEIN	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39860	Allergen, Mold (Acremonium Killiense) M202 by ImmunoCAP	86003	EECEP	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39858	Allergen, Mold (Alternaria alternata) M6 by ImmunoCAP	86003	MMOLD1	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39859	Allergen, Mold (Aspergillus fumigatus) M3 by ImmunoCAP	86003	MMOLD0	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39837	Allergen, Mold (Cladosporium herbarum) M2 by ImmunoCAP	86003	MMOLD5	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39861	Allergen, Mold (Setomelanomma Rostrata) M8 by ImmunoCAP	86003	EEHEL	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
45792	Allergen, Mold Epicoccum M14 by ImmunoCAP	86003	MOLD10	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55664	Allergen, Mosquito I71 by ImmunoCAP	86003	MOSQTO	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55665	Allergen, Moth I8 by ImmunoCAP	86003	MOTHA	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55649	Allergen, Mountain Juniper Tree T6 by ImmunoCAP	86003	MTNCDR	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55648	Allergen, Mouse Urine Protein E72 by ImmunoCAP	86003	MSEUP	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39840	Allergen, Mulberry T70 by ImmunoCAP	86003	EEMUL	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55650	Allergen, Nettle W20 by ImmunoCAP	86003	NETTLE	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39847	Allergen, Oak T7 by ImmunoCAP	86003	MOAK	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39873	Allergen, Oat F7 by ImmunoCAP	86003	EEOAT	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
41440	Allergen, Octopus F59 by ImmunoCAP	86003	OCTP	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39878	Allergen, Orange F33 by ImmunoCAP	86003	CORNG	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
41441	Allergen, Oyster F290 by ImmunoCAP	86003	OYSTR	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55662	Allergen, Paper Wasp I4 by ImmunoCAP	86003	PAPWSP	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55640	Allergen, Pea F12 by ImmunoCAP	86003	PEA2	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55641	Allergen, Peach F95 by ImmunoCAP	86003	PEACH	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
34016	Allergen, Peanut F13 by ImmunoCAP	86003	PNUT	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
49796	Allergen, Peanut Rarah1 F422 by ImmunoCAP	86003	ARAH1	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
49797	Allergen, Peanut Rarah2 F423 by ImmunoCAP	86003	ARAH2	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
49798	Allergen, Peanut Rarah3 F424 by ImmunoCAP	86003	ARAH3	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
49799	Allergen, Peanut Rarah8 F352 by ImmunoCAP	86003	ARAH8	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST

49801	Allergen, Peanut Rarah9 F427 by ImmunoCAP	86003	ARAH9	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39839	Allergen, Pecan Hickory T22 by ImmunoCAP	86003	MPECAN	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
42158	Allergen, Pecan Nut F201 by ImmunoCAP	86003	PECN	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
45791	Allergen, Penicillium Notatum M1 by ImmunoCAP	86003	PENNOT	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39850	Allergen, Pigweed Common W14 by ImmunoCAP	86003	EEPIG	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55666	Allergen, Pine Nut F253 by ImmunoCAP	86003	PINENT	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39848	Allergen, Plantain Ribwort W9 by ImmunoCAP	86003	EEEEP	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39876	Allergen, Pork F26 by ImmunoCAP	86003	EEPORK	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39851	Allergen, Ragweed Common W1 by ImmunoCAP	86003	MRAG	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55637	Allergen, Raspberry F343 by ImmunoCAP	86003	RASPB	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
45786	Allergen, Red Cedar T57 by ImmunoCAP	86003	RCED	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39874	Allergen, Rice F9 by ImmunoCAP	86003	EERIC	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
41442	Allergen, Salmon F41 by ImmunoCAP	86003	SLMN	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
41431	Allergen, Sardine (Pilchard) F308 by ImmunoCAP	86003	SRDNE	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
41432	Allergen, Scallop F338 by ImmunoCAP	86003	SCLP2	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
40795	Allergen, Sesame Seed F10 by ImmunoCAP	86003	SESAME	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39852	Allergen, Sheep Sorrel W18 by ImmunoCAP	86003	EESS	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
34015	Allergen, Shrimp F24 ImmunoCAP	86003	SHRIMP	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39836	Allergen, Silver Birch Common T3 by ImmunoCAP	86003	EEBIR	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
41439	Allergen, Snail F314 by ImmunoCAP	86003	SNAIL	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39863	Allergen, Soybean F14 by ImmunoCAP	86003	MSOY	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
40799	Allergen, Squid F258 by ImmunoCAP	86003	SQUID	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
34738	Allergen, Strawberry F44 ImmunoCAP	86003	STRAWB	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55646	Allergen, Sunflower Seed K84 by ImmunoCAP	86003	SUNFSD	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
42155	Allergen, Sweet Chestnut F299 by ImmunoCAP	86003	CHST	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
40798	Allergen, Swordfish F312 by ImmunoCAP	86003	SWRDF	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55636	Allergen, Tilapia F414 by ImmunoCAP	86003	TILAPI	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39875	Allergen, Tomato F25 by ImmunoCAP	86003	EETOM	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
40797	Allergen, Trout F204 by ImmunoCAP	86003	TROUT	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
41443	Allergen, Tuna F40 by ImmunoCAP	86003	TUNA	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39868	Allergen, Walnut F256 by ImmunoCAP	86003	MWAL	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39864	Allergen, Wheat F4 by ImmunoCAP	86003	MWHE	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39846	Allergen, White Ash T15 by ImmunoCAP	86003	EEASH	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
39841	Allergen, White Pine T16 by ImmunoCAP	86003	EEPIN	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
41685	Allergen, Yeast F45 by ImmunoCAP	86003	EEYEA	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
55661	Allergen, Yellow Jacket I3 by ImmunoCAP	86003	YRLJKT	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
42159	Allergen, Pistachio F203 by ImmunoCAP	86003	PIST	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST

39883	Allergen, Timothy Grass G6 by ImmunoCAP	86003	EETIMG	Serum gel tube (SST), 6 ml. Fill tubes completely.	1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
43571	Allergic Bronchopulmonary Aspergillosis Panel II Viracor	86331, 86001, 86003, 82785	ABPAP	Red-top or serum gel tube - 1.5 ml. serum, FROZEN.	Centrifuge and transfer 1.5 ml. of serum to a sterile, screw-top tube and FREEZE.
	Aloperidine			See Haloperidol	
	Alpha- Fetoprotein			See AFP	
43484	Alpha Histoplasma Antigen, Serum, Viracor	43484	AHISTS	Serum gel tube - 1 ml. serum, FROZEN.	Centrifuge specimen within 2 hours of draw and transfer serum to screw-top transport tube. FREEZE.
43485	Alpha Histoplasma Antigen, Urine, Viracor	87385	AHISTU	Urine - 2 ml., FROZEN. Minimum volume 0.5 ml.	Collect in a sterile urinalysis container, then transfer to a sterile, screw-top tube and FREEZE.
31273	Alpha Subunit Free (Pituitary Glycoprotein)	83520	ASFR	Red-top tube, Serum gel tube, lavender-top (EDTA) tube, or green-top (heparin) tube - 1 ml. serum or plasma, FROZEN Minimum Volume - 0.5	Centrifuge tube and freeze serum in tube with screw cap. Freeze immediately and maintain frozen. Submit separate frozen specimens for each test requested.
36918	Alpha Thalassemia, DNA Analysis	81257	LLATHL	Lavender-top (EDTA) tube; yellow-top (ACD) tube; sterile, plastic conical tube, or two confluent T-25 flasks for fetal testing - 7 ml whole blood, 10 ml. amniotic fluid or 20 mg. CVS. Minimum volume - 3 mL whole blood, 5 mL amniotic fluid or 10 mg CVS	Maintain specimen at room temperature
2555	Alpha-1 Antitrypsin Phenotype	82103, 82104	A1ATP	Red-top or Serum gel tube - 2 ml serum Minimum volume - 1.0 ml.	Patient Prep: Overnight fasting is preferred. serum in plastic transport tube. Reference Lab Clients: Spin tube, separate and refrigerate Reject: Hemolysis.
1718	Alpha-1 Antitrypsin, Fecal, Quantitative	82103	A1ATS	Stool, random sample - 1 gram, FROZEN. Minimum volume - 0.5 grams.	Must be frozen immediately after collection in a clean, screw-capped, plastic vial with no preservatives. Reference Lab Clients: Spin tube, separate and freeze serum in plastic sendoff vial.
38005	Alpha-2 Antiplasmin	85410	A2AP	Blue-top (sodium citrate) tube- 2 ml plasma Minimum volume - 1 ml. FROZEN.	Avoid warfarin therapy for two weeks and heparin therapy for two days prior to the test. Rejection: Severe hemolysis; improper labeling; clotted specimen; specimen diluted with I.V. fluids; samples thawed in transit; improper sample type: sample out of stability Causes for
	Alprazolam			See Xanax	
1337	ALT (SGPT)	84460	ALT	Green-top (lithium heparin) plasma gel tube - 1 ml plasma.	
1260	Aluminum	82108	AL	Royal Blue Top with or without EDTA - 7ml blood. Minimum requirement 0.6 ml	Serum or plasma MUST be separated from cells within 45 minutes of collection and transferred to a certified metal free transfer tube. Maintain specimen at room temperature. Reject: Certified metal-free plastic transport tube not submitted.
43377	Aluminum, Urine	82108, 82570	ALU24	Urine - 5 ml. aliquot from random collection or 24 hour collection, no preservative required. Minimum volume - 1.5 ml.	Maintain specimen at room temperature.
	AMH			See Anti Mullerian Hormone	
39888	Amikacin	80150	EEAKR	Serum gel tube - 1.0 ml. serum Pediatric minimum sample - 0.7 ml	Collection Guidelines: Q 8 hr. dosing: Trough should be drawn 6 hours or more after the end of the last infusion. Peak should be drawn 15-30 minutes after the end of the last infusion. Q 12 hr. dosing: Trough should be drawn 8 hours or more after the end of the last infusion. Peak should be drawn 15-30 minutes after the end of the last infusion.
1534	Amino Acids, Blood	82136	AACID	Green-top (heparin) tube - 8- >/=18 yrs. 0-8 years - 2.0 ml. plasma volume - 1.0 ml. plasma Minimum	Reference Lab Clients: Spin tube, separate and freeze plasma in plastic sendoff vial.
1536	Amino Acids, Random Urine	81050, 82139	AMACU	Random Urine - 10.0 ml in sterile specimen container 2 - >/=18 yrs.; Minimum Volume: 1.0 ml	5.0 ml. 0 - 2 years Reference Lab Clients: Freeze urine in plastic sendoff vial.
1872	Aminolevulinic Acid, 24 Hr Urine (Delta ALA)	82135	DELA	Urine - 5 ml. aliquot from 24 hr. urine collected with acetic acid preservative, FROZEN and PROTECTED FROM LIGHT. Minimum volume - 1 ml. aliquot.	Specimen must be kept refrigerated during collection. Collect in plastic 24 hr urine container with 30 ml of 30% glacial acetic acid. Instruct patient to void and discard initial sample at 8 am. Then begin collection for 24 hour period. pH must be <6. Freeze aliquot immediately and protect from light.
	Aminophylline			See Theophylline	
1253	Amiodarone (Cordarone)	82542	AMIOD	Red-top tube, lavender-top (EDTA) tube, or green-top (heparin) tube - 1 ml. serum or plasma, FROZEN. Do not use a gel-barrier tube. Minimum volume - 0.5 ml.	Transfer separated serum or plasma to a plastic transport tube and FREEZE. collected in Serum gel tubes, specimen not frozen. Reject: Blood
	Amiphophysin			See Paraneoplastic Antibody	
1752	Amitriptyline (Elavil) - includes nortriptyline	80152	AMITR1	Red-top tube, lavender-top (EDTA) tube, or green-top (heparin) tube -1 ml. serum or plasma. Do not use a gel-barrier tube. Minimum volume - 0.5 ml.	Transfer separated serum or plasma to a plastic transport tube. Refrigerate. Reject: Blood collected in Serum gel tubes.

1381	Ammonia (NH3)	82140	NH3	In-House (Acute Care/Healthplex) Clients: Lavender-top (EDTA) or green-top (no gel) tube - 5 ml whole blood. Minimum volume - 2 ml. whole blood.  Reference Lab Clients: Lavender - top (EDTA) tube - 5 ml. whole blood. Minimum volume - 2 ml.	Collect without stasis. In-House Clients: Deliver specimen to lab on wet ice ASAP. Reference Lab Clients: Spin tube and freeze plasma in plastic sendoff vial. Deliver to Core Lab frozen.
1053	Amoebic Antibody Hemagglutination (Entamoeba Histolytica AB, Qual.)	86753	AMEB	Red-top or Serum gel tube - 1 ml. serum Minimum volume: 0.2 ml.	Reject: Gross hemolysis; lipemia; bacterial contamination
	Amphetamine, Urine, Screen			See Drug Screen, Abused	
1324	Amylase	82150	AMYL	Green-top (lithium heparin) plasma gel tube - 1 ml plasma.	
1518	Amylase Isoenzymes	82150x2	AMIS	Red-top tube, Serum gel tube, or green-top (heparin) tube - 2 ml. serum or plasma Minimum volume - 1 ml.	Separate serum or plasma from cells within 30 minutes of collection. Refrigerated shipment is preferred; stable one month. Reject: hemolysis; use of anticoagulants other than lithium heparin.
1366	Amylase, 2 Hr Urine	81050, 82150	AMY2	Urine - 2 hour urine collection in specimen container with no preservative or additive.	
1365	Amylase, 24 Hr Urine	81050, 82150	AMY24	Urine - 24 hour collection, no preservative required.	
38014	Amylase, 8 hr. Urine	81050, 82150, 82570	AMY8	Urine - 8 hour urine collection in specimen container with no preservative or additive.	
39801	Amylase, Body Fluid	82150	EEFAMY	Body Fluid - 1 ml. in sterile screw top vial.	Specify fluid source.
1500	Amylase/Creatinine Ratio		AMCR	Green-top (lithium heparin) tube - 1 ml plasma AND Urine - 10 ml random urine in sterile specimen container	
56979	Amyloidosis: TTR (Transthyretin) Full Gene Sequencing	81404	AMYTTR	Lavender-top (EDTA) tube - 2 ml. whole blood	Maintain specimen at room temperature.
19365	Amyotrophic Lateral Sclerosis (SOD1)	81404	FALS	Two (2) Lavender-top (EDTA) tubes - 10 ml whole blood	
1442	ANA (Antinuclear Antibody)	86038	ANA	Serum gel tube - 2 ml serum. Minimum sample required - 0.7 ml.	Refrigerate. If specimen is collected on Friday or on a day when a holiday follows the collection date, separated serum should be transferred to a sterile, screw top tube and FROZEN.
42786	ANA Profile	86225, 86235x8	ANAP1	Red-top or Serum gel tube - 1 ml serum. Minimum sample required - 0.5 ml.	Maintain specimen at room temperature. Reject: Hemolysis, Lipemia
	ANCA			See Antineutrophil Cytoplasmic Antibody	
33442	Androgen Insensitivity	81405		Lavender-top (EDTA) tube - 5 to 7 ml whole blood	Keep at room temperature.
57014	Androstenediol Glucuronide	82154	ANDRO	Serum gel tube, red top or lavender-top (EDTA) tube - 1 ml serum or plasma. Minimum volume - 0.5 ml. Red Top or lavender-top (EDTA) tube - 1 ml serum or plasma. Do not use a gel-barrier tube.	Serum or plasma must be separated from cells within 45 minutes of venipuncture. Submit specimen in a plastic transport tube. Stability: Refrigerate.
1263	Androstenedione, LCMS (4-androstenedione)	82157	ANDR	Pediatric minimum sample - 0.5 ml serum.	Transfer separated serum or plasma to a plastic transport. Refrigerate. Rejection: Serum gel tubes
9653	Angelman Syndrome	81331	ANGQ	Lavender-top tube - 5 ml whole blood Pediatric minimum sample - 2.0 ml	Keep specimen at room temperature.
1494	Angiotensin Converting Enzyme, Serum	82164	ATCE	Red-top or Serum gel tube - 1.0 ml. serum Minimum volume - 0.5 ml.	Separate serum from cells. Maintain specimen at room temperature. Stop administration of catopril, enalapril, or lisinopril for 12 hrs. prior to venipuncture.
	Aniridia			See FISH - Wagr Panel	
	Anti - GBM Antibodies			See Glomerular Basement Membrane Antibody	
	Anti - Hu Antibodies			See HU Antibodies	
	Anti - MAG			See Myelin Associated Glycoprotein Antibody	
	Anti - Smith Antibody			See Extractable Nuclear Antigen	
	Anti - SSA and Anti - SSB Antibodies			See Sjogren's Antibodies	
	Anti - Yo Antibody			See Purkinje Cell Cyto AB	
	Anti Histone Antibodies			See Histone Antibody	
	Anti MAXA			See Recombx MATA Autoantibody	
32446	Anti Mullerian Hormone	82397	AMH	Red-top or Serum gel tube - 1.0 ml serum, FROZEN. Minimum volume required - 0.5 ml. serum	Transfer specimen to plastic transport tube before freezing. Please submit separate frozen specimens for each test requested.
58454	Anti-Adalimumab Antibody	80299, 82397	ADALI	Red top or serum gel tube - 2 ml. serum. Minimum volume - 1.0 ml. serum.	Allow a minimum clotting time of 30 to 60 minutes with serum separation within 2 hours of collection. Centrifuge and transfer serum to a plastic transport tube.
9820	Antiadrenal Antibodies	86255	AAA	Red-top or Serum gel tube - 1.0 ml serum. Minimum volume required - 0.5 ml. serum	Maintain specimen at room temperature.



	Antibody Screen			See Indirect Coombs	
1826	Anticardiolipin Antibody (Includes IgG, IgM, IgA)	86147x3	ACAR	Red top or Serum gel tube - 1 ml serum Minimum volume - 0.5 ml.	Refrigerate.
37075	Anticentromere B Antibody	86235	ACBA	Red top or Serum gel tube - 1 ml serum Minimum volume - 0.5 ml.	Maintain specimen at room temperature.
	Antidiuretic Hormone			See ADH	
1018	Anti-DNA Antibody (Double Stranded)	86225	ADNA	Red Top or Serum gel tube - 2 ml serum	Refrigerate. Submit spun specimen to Serology. If specimen is collected on Friday or on a day when a holiday follows the collection date, separated serum should be transferred to a sterile, screw top tube and FROZEN.
28602	Anti-DNA Antibody (Single Stranded)	86226	DNAS	Red top or Serum gel tube - 1 ml serum Minimum volume - 0.5 ml.	Maintain specimen at room temperature. Reject: Hemolysis, Lipema, Gross bacterial contamination
	Anti-DNase B Titer			See DNase B Titer	
	Anti-Factor X Assay			See Heparin Anti -Xa Assay	
43360	Antigens Stimulation (Lymphocyte Antigen Stimulation)	86353x2	LYAPA	Green-top (sodium heparin) tube - 5 to 10 ml. whole blood.	Maintain specimen at room temperature. Specimen must be shipped within 24 hours of collection.
19240	Antigliadin Antibodies Panel ( Antialluten Antibodies)	83516x2	GLIA	Red-Top or Serum gel tube - 1.0 ml. serum Minimum volume - 0.5 ml.	Refrigerate. Reject: Hemolysis; lipemia; gross bacterial contamination.
	Antiglomerular Basement Membrane Antibody			See Glomerular Basement Membrane Antibody	
	Antigliuten Antibodies			See Celiac Disease Antibody Profile	
28042	Antimyeloperoxidase Antibodies	83520	MPO	Red top or Serum gel tube - 1.0 ml. serum Minimum volume - 0.5 ml.	Refrigerate. Reject: Hemolysis, Lipema
38839	Antineuronal Antibodies	8625591x2	ANNAB1	Red Top or Serum gel tube - 1 ml serum.	Maintain specimen at room temperature.
22881	Antineutrophil Cytoplasmic Antibody (ANCA) Profile	86256x3	ANCY1	Red Top or Serum gel tube - 1 ml serum. Minimum volume - 0.5 ml.	Refrigerate. Causes for Rejection: Hemolysis; lipemia
1032	Antiparietal Cell Antibody (Anti-Parietal Cell Antibody, QN)	83516	PCAB	Red Top or Serum gel tube - 1 ml serum. Minimum volume - 0.5 ml.	Maintain specimen at room temperature.
35435	Antiphospholipid Antibody Panel	8614791x3, 8352091x9, 8614891x3	AAAP	Red top or Serum gel tube - 2 ml serum	Maintain at room temperature.
32073	Antiproteinase 3 Antibody	83520	PR3	Red top or Serum gel tube - 1.0 ml serum. Minimum volume - 0.3 ml.	Refrigerate. Reject: Hemolysis; Lipema; gross bacterial contamination.
	Anti-RNP Antibody			See Extractable Nuclear Antigen	
1022	Antismooth Muscle Antibody (Actin Antibody)	83516	ASM	Red top or Serum gel tube - 1.0 ml serum. Minimum volume - 0.5 ml.	Maintain specimen at room temperature.
1495	Antithrombin III Activity	85300	AT3	Blue-top (sodium citrate) tube - 2.7 ml whole blood	Test must be performed or plasma separated within 4 hours of collection. Reference Lab Clients: Spin tube and freeze plasma in plastic sendoff vial. Blood should be collected in a blue-top tube containing 3.2% buffered sodium citrate. Evacuated collection tubes must be filled to completion to ensure a proper blood-to-anticoagulant ratio. Spin tube and FREEZE plasma in plastic sendoff vial. Causes for Rejection: Severe hemolysis; improper labeling; clotted specimen; specimen diluted with I.V. fluids; samples thawed in transit; improper sample type: sample out of stability.
40940	Antithrombin III, Antigen	85301	NAT3A	Blue-top (sodium citrate) tube - 2 ml. plasma, FROZEN Minimum volume - 1 ml.	
	Antithyroglobulin Antibody			See Thyroglobulin Antibody	
1639	Antithyroid Peroxidase Antibody (Anti - TPO)	86376	ATPO	Red top or Serum gel tube - 1.0 ml serum. Minimum volume - 0.3 ml.	Transfer serum to a plastic transport tube. Refrigerate.
	Antivirogram Analysis			See HIV Phenotype Panel	
	Anti-Xa			See Heparin Anti-Xa Assay	
32010	APO E	81401	APE	Lavender-top (EDTA) tube - 10 ml. whole blood	Maintain specimen at room temperature.
21277	Apolipoprotein A1, B, and Ratio	82172x2	APOAB	Red-Top tube, Serum gel tube, green-top (heparin) tube, or lavender-top tube - 4 ml. serum (preferred) or plasma.	Patient must be fasting 8 to 12 hrs. Separate serum or plasma from cells within 45 minutes. Transfer specimen to a plastic transport tube. Maintain specimen at room temperature.
1213	APT Test	83033	APT	Submit specimen in sterile container or stoppered syringe	
	Arava®			See Leflunomide	
1873	Arsenic	82175	ARSCB	Royal blue-top tube - 2 ml whole blood Minimum volume - 0.6 ml.	Maintain specimen at room temperature. Causes for Rejection: Clotted sample
1673	Arsenic, 24 Hr Urine	81050, 82175	AR24	Urine - 20 ml. aliquot from a 24 hr collection, no additive or preservative.	Collection should be performed at the end of the work week for optimal monitoring of potential industrial exposure. Patient should avoid all seafood consumption 72 hours prior to collection.
27069	Arsenic, Random Urine (with Urine Creatinine)	82175, 82570	NNARSU	Urine, random - 5 ml. in plastic urine container, n preservative. Minimum volume - 2.5 ml.	Patient must avoid all seafood for 72 hours prior to collection. Seafood consumption two to three days prior to specimen collection can markedly elevate levels of total arsenic in urine. This dietary form of arsenic is nontoxic and is comprised primarily of arsenobetaine and arsenocholine. Inorganic arsenic is used for industrial exposure monitoring.
31364	Arylsulfatase A (ASA Deficiency)	82657	ARYL1	Yellow-top (ACD) tube - 15 ml. whole blood Minimum volume - 10 ml.	Refrigerate specimen after collection. Transport to the testing facility on wet ice or cold pack. Do not allow the sample to freeze. Specimens must arrive at testing facility within 48 hours of collection. Collect specimens Monday through Thursday only.

1056	Arylsulfatase A, 24 Hr Urine	82657	ARYU	Urine - 10 ml. aliquot of 24 hour urine collection, no preservative needed.	24 hour volume is required. Refrigerate during collection. No preservative.
	ASCA			See <i>Saccharomyces cerevisiae</i>	
	Ascorbic Acid			See Vitamin C	
19309	Asialo GM1 Antibody, ELISA	8352091x2	GM1A	Red-top or Serum gel tube - 1.0 ml serum.	Maintain specimen at room temperature.
1081	ASO Titer (Antistreptolysin O, Streptozyme)	86063	ASO	Red-top tube - 2 ml serum	
21845	Aspergillus Antibody Panel by CF and Immunodiffusion	86606x3	ASPAB	Red top or Serum gel tube - 1.0 ml serum.	Refrigerate samples.
56986	Aspergillus Fumigatus IgE, Viracor	86003	ASPGF	Serum gel tube - 1 ml. serum, <b>FROZEN</b> . Minimum volume - 0.5 ml.	Centrifuge and transfer 2 ml. of serum to a sterile, screw-top tube and FREEZE.
54550	Aspergillus Galactomannan, CSF, Viracor	87305	ASPGSF	CSF - 2 ml., FROZEN	Collected in a sterile, screw top tube and FREEZE.
43491	Aspergillus Galactomannan, BAL, Viracor	87305	ASPBAL	BAL - 1 to 3 ml., FROZEN. Minimum volume - 1 ml.	Collected in a sterile, screw top tube and FROZEN.
54551	Aspergillus Galactomannan, Bronch Wash, Viracor	87305	ASPGBW	Bronch wash - 1 to 3 ml., FROZEN. Minimum volume - 1 ml.	Collected in a sterile, screw top tube and FROZEN.
42896	Aspergillus Galactomannan, Serum, Viracor	87305	ASPSE	Serum gel tube - 1 ml. serum, FROZEN.	Centrifuge specimen within 2 hours of draw and transfer serum to screw-top transport tube. FREEZE.
43500	Aspergillus PCR Panel, BAL Viracor	87798x3	ASPGP	BAL - 2 ml., FROZEN. Minimum volume - 1 ml.	Collected in a sterile, screw top tube and FROZEN.
1336	AST (SGOT)	84450	AST	Green-top (lithium heparin) plasma gel tube - 1 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	
32045	Ataxia Panel	81401, 81403, 81404x2, 81405x2, 81406x3, 81479	ATAXC	Lavender-top (EDTA) tube - 20 ml. whole blood.	Room temperature.
	Ativan			See Lorazepam	Collected in a sterile, screw top tube and FROZEN.
43590	Atypical Pneumonia PCR Panel. BAL Viracor	87486, 87581	PNEBL	BAL - 2 ml., FROZEN.	
	Australian Antigen			See Hepatitis B Tests	
37694	AZF Panel (Y Microdeletion)	81479	AZFPCR	Lavender-top (EDTA) tube - 5 ml whole blood. Minimum specimen - 3.0 ml	Room temperature
	Azoospermia Factor			See AZF	
43381	B Cell Panel	88184, 88185x11, 88188	BCELL	Lavender-top (EDTA) tube - 3 ml. whole blood	<b>**Time Sensitive**</b> A concurrent CBC/Diff should be ordered. Maintain specimen at room temperature, call STAT courier immediately to transport to Core Lab. Cincinnati Children's Requisition must accompany the specimen
9811	B Cell Rearrangement	81261	BCR	Paraffin embedded tissue, fresh tissue, frozen tissue, bone marrow or whole blood. For slides, ten(10) unstained slides at four(4) micrometers.	Unacceptable specimens include de-calcified bone marrow blocks, shaved blocks, specimens stained with dye containing glutaraldehyde (usually blue from most mfgs).
21340	B27 HLA	88184x1, 88185x1	B27F	Green Top Tube- 5 ml whole blood is the preferred specimen. Lavender top (EDTA) tube is also acceptable.	
	Bacillary Angiomatosis			See Bartonella Antibody	
8266	Banking	83891	DBANK	Lavender-top (EDTA) tube - 5 ml whole blood. Minimum specimen - 2.0 ml	Keep specimen at room temperature.
	Bannayan Riley Ruvalcaba			See PTEN Mutation	
1049	Barbiturates (Quantitative)	82205	BARBQ	Lavender-top (EDTA) tube - 5 ml whole blood	Do not uncap tubes. Do not prep skin with alcohol.
34254	Bartonella Antibody Profile	86611x4	CATS1	Red-top or Serum gel tube - 2 ml serum Minimum volume - 1 ml.	Refrigerate. Reject: Hemolysis; lipemia; gross bacterial contamination.
29626	Bartonella henselae, DNA PCR	87471	LLBHP	Lavender-top (EDTA) tube or yellow-top (ACD) tube - 1 ml. whole blood	Refrigerate. Reject: quantity not sufficient for analysis; gross specimen contamination; specimen too old; leaking or broken tube

34182 - BMP w/GFR For Reference Lab Only Use 34178	Basic Metabolic Pkg w/GFR (Includes Na, K, Cl, CO2, Gluc, BUN, Creat, Ca), BMP	80048	CH7G Lab Use CH7RG	For Reference	Green-top (lithium heparin) plasma gel tube - 2 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	
32739	Battens Disease	81406	BAT		Lavender-top (EDTA) or yellow-top (ACD) tubes - two (2) 8 ml for adults; two (2) 5 ml. tubes for infants or -small children. See B Cell Rearrangement	Keep at room temperature. Ship by overnight mail (no weekend delivery).
9814	B-cell Clonal Detection bcr/abl Minimal Residual Disease	81206	BCRAB2		2 PAX Gene tubes (preferred) OR 3 Lavender (EDTA) tubes	If not collected in PaxGene tube, specimens must be delivered by STAT courier to Molecular Pathology within 2 hours of collection. Maintain specimen at room temperature.
56994	BCR-ABL1 Kinase Domain Mutation Analysis	81170	BCRAB1		Lavender-top (EDTA) or yellow-top (ACD-A) tube - 3 to 5 ml. whole blood OR 1 to 2 ml. bone marrow. Minimum volume - 2 ml. whole blood or 1 ml. bone marrow.	Submit at room temperature. TIME SENSITIVE. Specimens must arrive at referral laboratory within 48 hours of collection. Indicate date and time of collection on request form.
30600	Benzene, Blood	84600	BBEN		Green-top (heparin) tube (preferred), lavender-top (EDTA) tube, gray-top (sodium oxalate) tube OR royal-blue (EDTA) tube - 20 ml. whole blood.	Tubes should be filled to prevent loss of volatile compound into headspace. Refrigerate.
	Benzodiazepines, Urine, Screen				See Drug Screen, Abused	
24056	Beryllium	83018	BERYL		Royal Blue-top (Metal Free tube with EDTA Additive) - 2 ml whole blood	Maintain specimen at room temperature. Room temp. is adequate for up to 3 days. Specimen may also be refrigerated or frozen. Reject: Royal blue-top tube with no additive.
29518	Beta- 2 Transferrin, Body Fluid	86335	B2TR		Aural or nasal fluid - 2 ml. fluid in a sterile specimen container.	Refrigerate. Collect Sunday through Thursday only. Reject: Frozen samples.
39799	Beta HCG (Qualitative), Urine Pregnancy Test	81025	EEUPRG		Random urine specimen - 2 ml in specimen container	
39265	Beta HCG (Quantitative) Male Only (Beta subunit, Quantitative)	84702	HCGBSQ		Red-top tube or Serum gel tube - 1.0 ml. serum. Minimum volume - 0.5 ml.	Transfer serum to a plastic transport tube. Refrigerate.
8638	Beta HCG (Quantitative), Blood	84702	BHCG		Serum gel tube - 2 ml serum	
55634	Beta HCG (Quantitative), Spinal Fluid, Mayo	84702	BHSF		CSF - 0.6 ml. in sterile specimen vial	Refrigerate. Reject: Gross hemolysis
37078	Beta Hydroxybutyrate, In-House	82010	BHOB		Red-top or Serum gel tube - 1 ml serum	
19236	Beta Hydroxybutyrate, SO	82010	BHBUT		Red-top tube, Serum gel tube, lavender-top (EDTA) tube, or green-top (heparin) tube - 1 ml serum (preferred) or plasma, FROZEN. Minimum volume - 0.5 ml.	Transfer separated serum or plasma to a plastic transport tube within 2 hours of venipuncture and FREEZE. Reject: Gross hemolysis.
1230	Betke Kleihauer	85460	BETK		Lavender-top (EDTA) tube - 2 ml whole blood	
	BHCG				see Beta HCG	
32065	Bile Acid Profile by FABS-MS	83789	BAFAB		Urine - 10 -50 ml urine serum Red top tube - 2 ml Bile fluid - 2 ml	Centrifuge, freeze serum in plastic sendoff vial. Freeze urine and send to lab in plastic sendoff vial.
19302	Bile Acids, Conjugated	82239	BAC		Red top or Serum gel tube - 1.0 ml serum Minimum volume - 0.5 ml.	Patient should be fasting, but a 2 hr. postprandial may be used. Reject: Plasma, specimen not transported and received refrigerated; plasma sample.
1441	Bilirubin (Micro)	82247	BILM		Brown bullet - 0.7 ml.	Protect from light.
1400	Bilirubin, Direct	82248	XBILD		Green-top (lithium heparin) plasma gel tube - 1 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	Protect from light.
1355	Bilirubin, Fractionated (Includes, Total , Direct and Indirect Bili)	82247, 82248	BIFX		Green-top (lithium heparin) plasma gel tube - 1 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	Protect from light.
1335	Bilirubin, Total	82247	TBIL		Green-top (lithium heparin) plasma gel tube - 1 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	Protect from light.
	Biopsy for gross and microscopic exam by pathologist	Call Histology Department			Submit fresh specimen in a Histology container with formalin preservative along with completed tissue request, specifying anatomic source.	See Histology section for additional information.
28723	Biotinase (Multiple Carboxylase Deficiency, Late Onset)	82261	BIOT1		Red-top tube - 3.0 ml serum, FROZEN. Minimum volume - 1.0 ml.	Separate serum from cells within 30 minutes of collection. Transfer specimen to a plastic transport tube before freezing. Reject: Quantity not sufficient for analysis; thawed specimen.
37507	BK Virus by Real time PCR, Quantitative (Blood)	87799, 83912	BKPCR1		PPT - 5 ml whole blood Minimum Volume - 1.5 ml.	Blood must be centrifuged within two(2) hours of collection. Maintain at room temperature.

43486	BK Virus IGG Antibody (ELISA), Plasma, Viracor	86790	BKVG	Lavender-top (EDTA) or yellow ACD tube - 2 ml. plasma, FROZEN.	Centrifuge and transfer 2 ml. of plasma to a sterile, screw-top tube and FREEZE.
54584	BK Virus Quant PCR, CSF, Viracor	87799	BKPCSF	CSF - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
54583	BK Virus Quant PCR, Plasma, Viracor	87799	BKBCRP	Lavender-top (EDTA) or yellow ACD tube - 2 ml. plasma, FROZEN. Minimum volume - 0.5 ml.	Centrifuge and transfer 2 ml. of plasma to a sterile, screw-top tube and FREEZE.
54585	BK Virus Quant PCR, Serum, Viracor	87799	BKPCRS	Red-top or serum gel tube - 2 ml. serum, FROZEN. Minimum volume - 0.5 ml.	Centrifuge and transfer 2 ml. of serum to a sterile, screw-top tube and FREEZE.
43578	BK Virus Quant PCR, Urine, Viracor	87799	BKPCRU	Urine - 2 ml., FROZEN. Minimum volume 0.5 ml.	Collect in a sterile urinalysis container, then transfer to a sterile, screw-top tube and FREEZE.
	Blood Culture			See Culture, Blood	
	Blood Urea Nitrogen (BUN)			See BUN	
	BMP			See Basic Metabolic Pkg	
	BNP			See Brain Natriuretic Peptide	
	BNP, Propeptide of Brain Natriuretic Peptide			See NT-proBNP	
1120	Bone Marrow Studies	Call Hematology Department	BMS		Contact Special Hematology (355-3455) to schedule collection.
9822	Bordetella Pertussis Antibody, IgA Quant.	86615	PERTA	Red top or Serum gel tube - 1.0 ml serum Minimum volume - 0.5 ml.	Refrigerate. Causes for Rejection: Hemolysis; lipemia; gross bacterial contamination.
41445	BRAF Mutation Analysis, V600E	81210	BRAF	Paraffin Embedded Tissue - Three (3) unstained slides and one (1) H&E slide	Maintain specimen at room temperature.
8341	Brain Natriuretic Peptide (BNP)	83880	BNP	Lavender-top (EDTA) tube - 1.0 ml plasma	Reference Lab Clients: Centrifuge and transfer plasma to a frozen specimen vial. Freeze at -20°C or colder in a non-defrosting freezer. No capillary specimens accepted.
56984	BRCA1/2 Comprehensive Analysis (BRCAssure®)	81162	BRCA12	Lavender-top (EDTA) tube or yellow-top (ACD) tube - 7 ml. whole blood. Minimum volume - 3 ml. Saliva collected in an Oragene DX 500 Saliva collection kit - 2.0 mL saliva. Minimum volume - 0.5 mL saliva	Maintain specimen at room temperature. Cause for rejection: frozen whole blood, leaking tubes, clotted blood, gross hemolysis, incorrect anticoagulant; saliva collection in an incorrect container. Do not eat, drink, smoke or chew gum 30 minutes prior to saliva collection. See Oragene DX 500 saliva kit for detailed instructions.
29787	Brodifacoum (Talon), Blood	82491	BRODI	Red-top or green-top heparin tube - 2.0 ml serum or plasma Minimum volume - 0.5 ml.	Serum or plasma should be separated from cells within two hours of venipuncture. Submit serum or plasma in a plastic transport tube. Maintain specimen at room temperature. Room temperature is adequate for shipping and/or short-term storage (three days); specimens may also be refrigerated or frozen
56660	Brucella Antibody, IgM, EIA	86622	BRUCM	Red-top or serum gel tube - 1 ml. serum.	If a red-top tube is used, centrifuge and transfer serum into a plastic transport tube. Maintain specimen at room temperature. Reject: hemolysis; lipemia; gross bacterial contamination
56661	Brucella Antibody, IgG, EIA	86622	BRUCG	Red-top or serum gel tube.	If a red-top tube is used, centrifuge and transfer serum into a plastic transport tube. Maintain specimen at room temperature. Reject: hemolysis; lipemia; gross bacterial contamination
1699	Brush Biopsy	88104		Submit specimen in Saccamano vials or slides in 95% alcohol fixative.	
1507	BUN (Blood Urea Nitrogen)	84520	BUN	Green-top (lithium heparin) plasma gel tube - 1 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	
52807	Buprenorphine, Screen with Confirmation, Urine	80301	BUPRN	Urine - 20 ml random urine in sterile specimen container Minimum volume - 10 ml.	Maintain specimen at room temperature.
38352	Busulfan Levels	82542	BUSF	Green-Top (sodium heparin) tube - 2 ml. plasma adult Minimum volume - 1 ml pediatric	Busulfan degrades quickly at room temperature. Each sample should be kept in wet ice slurry or refrigerated at all times. Centrifuge them as soon as possible at 4 degrees C. Separate the plasma from each sample and transfer it to individual 4 ml plastic tubes. Immediately freeze these plasma samples at -20 degrees C.
63258	LEGIONELLA PCR BAL VIRACOR	87801, 87541	LGPCRV	BAL - 2mL..Collect in a sterile, screw top tube.	Collect Monday - Thursday only.
1100	C Reactive Protein	86140	CRP	Serum gel tube - 3 ml serum. Pediatric minimum sample -1.5 ml.	
1870	C1 Esterase Inhibitor, Serum	86161	C1EI	Red-top or lavender-top (EDTA) tube - 1.0 ml. serum or plasma, FROZEN. Minimum volume - 0.5 ml.	Separate serum or plasma from cells and transfer to a plastic transport tube before freezing. Reject: Plasma other than EDTA, thawed or non-frozen sample.
28599	C1 Q Binding (Circulating Immune Complexes)	86332	C1QB	Red-top or Serum gel tube - 1.0 ml serum, FROZEN. Minimum volume - 0.5 ml.	Separate serum or plasma from cells and transfer to a plastic transport tube before freezing. Freeze prior to transport. Reject: Hemolysis.
	C282Y & H63D Mutation Analysis/Detection			See Hemochromatosis	

	C3			See Complement C3	
	C4			See Complement C4	
40446	CA 125	86304	CA125B	Serum gel tube - 3 ml serum	
1531	CA 15-3	86300	CA15	Red-top or Serum gel tube - 1.0 ml serum. Minimum volume - 0.5 ml.	If a red-top tube is used, transfer separated serum to a plastic transport tube. Refrigerate. plasma specimen. Reject: Citrate
1498	CA 19-9 (Carbohydrate Antigen 19)	86301	CA19	Red-top or Serum gel tube - 1.0 ml serum. Minimum volume - 0.5 ml.	If a red-top tube is used, transfer separated serum to a plastic transport tube. Refrigerate. plasma specimen. Reject: Citrate
19248	CA 27-29 (Truquant BR)	86300	CA2729	Red-top or Serum gel tube - 1.0 ml serum. Minimum volume - 0.5 ml.	If a red-top tube is used, transfer separated serum to a plastic transport tube. Refrigerate. specimen. Reject: Plasma
56983	Cadsi1, Notch3 DNA Sequencing	81406	NOTCH3	Lavender-top (EDTA) tubes - 10 ml. whole blood. Adult minimum volume - 6 ml. Pediatric minimum volume - 1 to 2 ml.	
16454	Cadmium Profile, Blood and Urine	82300x2, 82232, 82570	CADP	Royal blue-top (EDTA) tube - 2 ml. whole blood AND random urine - 5 ml. Minimum volume - 0.6 ml. whole blood and 2.4 ml. urine	Ph of the urine should be adjusted to 6-8, if necessary, using 0.1 N NAOH. Maintain specimen at room temperature. Refrigerate if the specimen is not submitted for testing within two days of collection. Reject: Clotted specimen.
16456	Cadmium, Blood	82300	HMS4	Royal blue-top (EDTA) tube - 7 ml. whole blood. Submit original tube. Minimum volume - 0.6 ml.	Maintain specimen at room temperature. Reject: Clotted specimen.
1576	Caffeine	83520	CAFFE	Red-top tube - 1 ml. serum.	
1842	Calcitonin (Thyrocalcitonin)	82308	CALCT	Pediatric minimum sample - 0.7 ml Red-top or Serum gel tube - 1.0 ml serum, FROZEN. Minimum volume - 0.5 ml.	Separate serum from cells. Transfer the serum to a plastic screw-top transport tube. Freeze immediately and maintain frozen until tested. Reject: Gross hemolysis, lipemia, plasma specimen, specimen not received frozen.
1501	Calcium	82310	CA	Green-top (lithium heparin) plasma gel tube - 1 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	
1402	Calcium, 24 Hr Urine	81050, 82340, 82570	CA24	Urine - 24 hr. collection in container with 30 ml 6N HCL preservative.	
1380	Calcium, Ionized	82330	CAI	Dark green top - 5 ml whole blood. Pediatric minimum sample - 0.7 ml in green bullet.	Tube must be full. Do not open tube. <b>This code is for in-house testing only.</b>
43355	Calcium, Ionized - For Reference Lab Clients Only	82330	IONCAL	Serum gel tube-1 ml. serum	Centrifuge and send unopened gel-barrier tube with vacuum intact. It is critical that the vacuum not be disrupted. To ensure that testing can be performed, send a separate tube for ionized calcium and adhere a piece of labeling tape over the top of the tube with the following written on it: "Ionized Calcium - Do Not Open". <b>For Reference Lab Clients Only,</b>
31275	Calculus Analysis	82360	UCAL1	Submit calculus in clean specimen container. Do not use preservative or additive.	Calculi must be submitted completely dry. Specimens should not be submitted in liquid (formalin, urine, blood, etc), in gauze, filters, taped, or on Q-tips. There will be delay in analyzing and reporting specimens not received completely dry. Maintain specimen at room temperature.
42979	Calprotectin, Fecal	83983	CALPRO	Stool (unpreserved, random) - 1g in sterile screw-capped container	Submit stool in clean screw-capped container at room temperature. Causes for Rejection: Serum or plasma received; stool contaminated with urine; specimen older than 10 days of collection before tested; samples taken from diapers unless portion taken has not been in contact with diaper material; preserved stool received
56627	Calreticulin (CALR) Mutation Analysis	81219	CALR	Lavender-top (EDTA) tube or green-top (sodium heparin) tube - 3 to 5 ml. whole blood or 1 to 2 ml. bone marrow. Minimum volume - 3 ml. whole blood or 1 ml. bone marrow.	<b>Time Sensitive: Specimen should arrive in the laboratory immediately at room temperature.</b>
29270	Campylobacter jejuni Antibody	86625	CJEJU	Red-top or Serum gel tube - 1.0 ml serum.	If a red-top tube is used, transfer separated serum to a plastic transport tube. Refrigerate.
	Cannabinoid, Urine, Screen			See Drug Screen, Abused	
1315	Carbamazepine (Tegretol)	80156	CARBA	Red-top tube - 1 ml serum, Pediatric minimum sample - 0.7 ml	
32070	Carbamazepine 10, 11-Epoide	80156	EPOX	Red-top or green-top (heparin) tube - 1.0 ml serum or plasma. Minimum volume - 0.6 ml. <b>Do not use a gel barrier tube.</b>	Do not use a gel-barrier tube. The use of gel-barrier tubes is not recommended due to slow absorption of the drug by the gel. Transfer separated serum or plasma to a plastic transport tube. Refrigerate. Reject: Gel-barrier tube; lipemia; hemolysis; icteric specimen.
	Carbohydrate Antigen 19			See CA 19-9	
1750	Carbohydrate Deficient Transferrin	82373	CADT	Red-top or Serum gel tube - 1.0 ml serum, FROZEN. Minimum volume - 0.75 ml.	Transfer separated serum or plasma to a plastic transport tube within two hours of venipuncture. FREEZE. Reject: Fibrinogen present in sample; hemolyzed specimen; aged and improperly stored specimen; anticoagulated specimen (citrate, EDTA); presence of genetic variants of transferrin
1325	Carbon Dioxide (CO2)	82374	CO2	Green-top (lithium heparin) plasma gel tube - 1 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	
	Carcinoembryonic Antigen			See CEA	
	Cardiac BNP			See Brain Natriuretic Peptide	
	Cardiolipin Antibody			See Anticardiolipin Antibody	
36911	Carnitine, Free and Total	82379	LLCART	Red-top tube or serum gel barrier tube - 2.5 ml. serum, FROZEN. Minimum volume - 1.5 ml. serum, FROZEN.	Centrifuge and transfer separated serum or to a plastic transport tube and freeze. To avoid delays in turnaround time when requesting multiple tests on frozen samples, please submit separate frozen specimens for each test requested.

1955	Carnitine, Plasma (Duke)	82379	PLCAR	Green-top (lithium heparin) plasma gel tube 8 - >18 years - 2.0 ml. plasma, FROZEN 0 - 8 years: Green microtainer - 1 ml.	Reference Lab Clients: Centrifuge, separate and freeze plasma in plastic sendoff vial. sample type; gross hemolysis; improper storage.	Reject: Incorrect
1063	Carnitine, Urine	82379	UCARN	Urine - 0 - >18 year: 5 ml random urine in sterile container, FROZEN 0 - 2 years: 2 ml. random urine	Freeze specimen in sterile specimen container. storage; insufficient sample.	Reject: Incorrect sample type; gross hemolysis; improper
1349	Carotene	82380	CAR	Red-top or Serum gel tube - 2 ml serum, frozen and protected from light. Minimum volume - 1.2 ml.	Patients must fast a minimum of twelve (12) hours. Patient should fast for twelve (12) hours and abstain from alcohol for 24 hours prior to collection. For those who are younger than six months, draw prior to next feeding. Blood should be collected before breakfast in the morning and prior to any medication. Specimen should be free from hemolysis. PROTECT FROM LIGHT. Transfer specimen to an amber transport tube.	
	Cat Scratch Antibody			See Bartonella Antibody		
1505	Catecholamines, 24 Hr Urine, Fractionated	81050, 82384, 82570	CATUR	Urine - 30 ml. aliquot from a 24 hour specimen collected with 30 ml. 6N HCL preservative. Minimum volume - 4 ml.	Instruct the patient to void at 8 AM and discard the specimen. Preservative must be added to the container prior to the start of collection. Then collect all urine including the final specimen voided at the end of the 24-hour collection period (ie, 8 AM the next morning). Keep collection on ice. Measure and record total urine volume on the test request form. Remove 30 mL aliquot. pH should be <3.	
1350	Catecholamines, Plasma (Includes Total and Fractionated Dopamine, Eninenhrine, Noreinenhrine)	82384	CATCP	Green-top (heparin) tube or lavender-top (EDTA) tube - 3 ml. plasma, FROZEN. Minimum volume - 2.2 ml.	Patient must be fasting for at least 4 hours without smoking and should remain supine for at least 30 minutes prior to collection. Deliver to lab on wet ice ASAP. Centrifuge and transfer the plasma to labeled plastic transport tube. Freeze immediately (within one hour after collection) at -20 °C and ship frozen. Reject: Incorrect specimen type; plasma not received frozen: inadequate patient preparation.	
1232	CBC (Complete Blood Count)	85027	CBCB	Lavender-top (EDTA) tube - 3 ml whole blood. Pediatric minimum sample - 0.5 ml in lavender microtainer tube.		
39173 391441 232,1233	CBC with Differential	85027, 85007, 85025	CBCDFB CBCDIF CBCB, DIFA	Lavender-top (EDTA) tube - 3 ml whole blood. Pediatric minimum sample - 0.5 ml in lavender microtainer tube.		
51033	CD 19 Phenotyping by Flow	88184, 88185	CD19	Lavender-top (EDTA) or green-top (sodium heparin or lithium heparin) tube - 5 ml. whole blood. Minimum volume - 1 ml.	Maintain specimen at room temperature.	
51053	CD 20 Phenotyping by Flow	88184, 88185	CD20	Lavender-top (EDTA) or green-top (sodium heparin or lithium heparin) tube - 5 ml. whole blood. Minimum volume - 1 ml.	Maintain specimen at room temperature.	
34256	CD 34 (CD34 Stem Cell Determination)	86367	CD34	One Lavender-top (EDTA) AND one dark green-top (sodium heparin) tube - 5 ml whole blood in each tube. Minimum volume - 2.0 ml in each tube.	Room Temperature	
	CD4 Count			See Lymphocyte Subset		
8627	CEA (Carcinoembryonic Antigen)	82378	CEA	Serum gel tube - 3 ml serum		
55635	CEA (Carcinoembryonic Antigen), Spinal Fluid, Mayo	82378	CEASF	CSF - 0.5 ml. in sterile specimen vial	Refrigerate. Reject: Gross hemolysis.	
55652	Celiac Gliadin Antibody, IgA	83516	GLIADA	Serum gel tube (SST) - 3 ml. serum. Minimum volume - 1 ml.		
55654	Celiac Gliadin Antibody, IgG	83516	GLIADG	Serum gel tube (SST) - 3 ml. serum. Minimum volume - 1 ml.		
58455	Celiac HLA DQ Association	81377, 81383	CELDQ	Lavender-top (EDTA) tube - 7 ml. whole blood. Minimum volume - 3 ml. whole blood.	Maintain specimen at room temperature. Protect from extreme heat or cold. Reject: Incorrect specimen container (tube type); yellow-top (ACD) tube.	
55651	Celiac Tissue Transglutaminase Antibody, IgA	83516	TTGIGA	Serum gel tube (SST) - 3 ml. serum. Minimum volume - 1 ml.		
55653	Celiac Tissue Transglutaminase Antibody, IgG	83516	TTGIGG	Serum gel tube (SST) - 3 ml. serum. Minimum volume - 1 ml.		
39910	Cell Count, Body Fluid	89051	EEPPCA	Submit body fluid in sterile specimen container. Specify fluid type. Do not use any preservative or additive.		
39916	Cell Count, Bronchial Wash	89050	EEBLAV	Submit fluid in sterile specimen container. Do not use any preservative or additive.		
47395	Cell Count, CSF	89051	CSFT	Submit CSF in sterile specimen container. Specify tube #. Do not use any preservative or additive.		
51054	Cell Viability Phenotyping (7 AAD Phenotyping by Flow)	88184, 88185	CVP	Lavender-top (EDTA) or green-top (sodium heparin or lithium heparin) tube - 5 ml. whole blood. Minimum volume - 1 ml.	Maintain specimen at room temperature.	

56974	Cephalosporin BasoFunction HRT, Viracor	86352	BASOCV	Green top (sodium heparin) tube - 10 ml. whole blood.	10 mL whole blood (for 5 antigens) collected and shipped in original sodium heparin (green top) tube. <b>Keep blood at room temperature at all times.</b> Note: Patients taking calcineurin inhibitors should stop their medication 72 hours prior to draw. Patients taking prednisone should stop medication for 2 weeks prior to draw. Reject: Hemolyzed, frozen or refrigerated blood is not acceptable and will be rejected for testing. Do Not use Lithium Heparin tubes. <b>Collect Monday thru Thursday ONLY. If collected on Monday through Wednesday, specimen must arrive at Core Lab within 24 hours of collection. If collected on a Thursday, specimen MUST be received at Core Lab by 3pm to be viable for testing.</b>
	CF Testing			See Cystic Fibrosis Screening	
	CGH			See Comparative Genomic Hybridization	
	CH12			See Comprehensive Metabolic Pkg	
	CH7			See Basic Metabolic Pkg	
	Charcot-Marie-Tooth (CMT Complete) (PMP22)			See CMT Complete	
56998	Chikungunya Antibodies, IgG and IgM	86790 x 2	CHIK1	Serum gel tube - 1 ml. serum	Separate serum from cells ASAP or within 2 hours of collection. Transfer 1 mL serum to plastic transport tube. Parallel testing is preferred and convalescent specimens must be received within 30 days from receipt of the acute specimens. Mark specimens plainly as "acute or convalescent."
40796	Chimerism Analysis, T-Cell	81268	DNATCH	Lavender-top (EDTA) tube - 4 ml. whole blood	Maintain specimen at room temperature.
39262	Chimerism Analysis, Total	81265 (PRE), 81267 (POST)	DNACHI	Lavender-top (EDTA) tube - 4 ml. whole blood.	Maintain specimen at room temperature.
32450	Chlamydia Antibody Panel (IgG)	86631	CHLIG	Serum gel tube - 1.0 ml serum Minimum volume - 0.5 mL.	Maintain specimen at room temperature. Reject: Hemolysis; lipemia; gross bacterial contamination.
56977	Chlamydia Pneumoniae, IgG, IgM, IgA	86632, 86631X2	CPGMA	Red-top tube or gel-barrier tube - 1 ml. serum. Minimum volume - 0.5 mL vaginal, endocervical, or male urethral swab, first-void urine (patient should not have urinated for one hour prior to specimen collection), or cervical cells in liquid cytology vial.	If a red top tube is used, centrifuge, and transfer serum to a plastic transport tube. Storage: Refrigerate specimen.
37080	Chlamydia, GC, Trichomonas NAA	87491, 87591, 87661	CGTNAA	One swab, 2 mL of a 20 mL to 30 mL urine collection, or entire liquid cytology vial	Container: Gen-Probe® Aptima® swab or Aptima® urine specimen transport; ThinPrep® or SurePath™ liquid cytology vial
37140	Chlamydia/ GC by PCR, Swab	87491, 87591	CTGC	Swab.	Samples submitted for CTGC testing must be submitted using a Roche COBAS PCR Female Swab kit with only one(1) broken at the score line. Samples with more than one(1) swab will be rejected.
37141	Chlamydia/ GC by PCR, Urine	87491, 87591	UCTGC	Urine	Urine must be submitted using Roche COBAS Urine PCR media with urine filled to between the fill lines. Overfilled and underfilled samples will be rejected.
58438	Chlamydia/ Gonococcus, Pharyngeal Swab, NAA	87491, 87591	CGNPAA	Pharyngeal specimen collected with Aptima® unisex collection swab and submitted in the Aptima® swab specimen transport tube - one swab	Use the blue-shafted swab, labeled "unisex collection swab for endocervical and male urethral specimens," to rub the posterior pharynx and tonsillar areas. Do not use the white-shafted swab; discard this swab. Remove the cap from the swab specimen transport tube and immediately place the specimen collection swab into the transport tube. Carefully break the swab shaft at the scoreline; use care to avoid splashing of the contents. Recap the swab specimen transport tube tightly. Maintain specimen at room temperature or refrigerate (2° C to 30° C). Reject: Inappropriate transport conditions; bacterial swabs; swabs from sites other than pharyngeal; unlabeled specimens or those with a discrepancy between the specimen label and the test request form; Aptima swab transport tube with no swabs, two swabs or swab not supplied by GenProbe; Aptima swabs greater than 60 days from collection; any transport device other than an Aptima swab transport.
58440	Chlamydia/ Gonococcus, Rectal Swab, NAA	87491, 87591	CGRNAA	Gen-Probe® Aptima® swab specimen transport tube - one swab	Insert the blue-shafted swab, labeled "unisex collection swab for endocervical and male urethral specimens," 2" to 4" into the rectum and rotate to sample the mucosal surfaces. Do not use the white-shafted swab; discard this swab. Remove the cap from the swab specimen transport tube and immediately place the specimen collection swab into the transport tube. Carefully break the swab shaft at the scoreline; use care to avoid splashing of the contents. Recap the swab specimen transport tube tightly. Maintain specimen at room temperature or refrigerate (2° C to 30° C) Reject: Inappropriate transport conditions; bacterial swabs; swabs from sites other than rectal; unlabeled specimens or those with a discrepancy between the specimen label and the test request form; Aptima swab transport tube with no swabs, two swabs or swab not supplied by GenProbe; Aptima swabs greater than 60 days from collection; any transport device other than an Aptima swab transport.
1327	Chloride	82435	CL	Green-top (lithium heparin) plasma gel tube - 1 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	
1199	Chloride, 24 Hr Urine	81050, 82436, 82570	CL24	Urine - 24 hour collection, no preservative required.	
1674	Cholesterol	82465	CHOL	Green-top (lithium heparin) plasma gel tube - 1 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	
	Cholesterol, VAP			See Lipid Panel, Direct Measured	
55442	Cholinesterase, Serum	82480	CHOES	Red-top or serum gel tube - 1 ml. serum. Minimum volume - 0.5 mL.	Separate serum from cells immediately after clotting (30 minutes) and place in transport tube. Mark transport tube "serum". Maintain specimen at room temperature. Reject: whole blood specimen, hemolysis.
43577	Chromium and Cobalt, WB	82495, 83018	CRNCO	Royal blue-top (EDTA) tube - 4 ml. whole blood Minimum volume - 0.4 mL.	Ambient temperature is acceptable for shipping and/or short-term storage (three days). For storage beyond three days, specimen should be refrigerated or frozen.
1732	Chromium, Plasma	82495	CHRO	Royal Blue Top (metal free EDTA) - 3.0 ml plasma. Minimum volume - 1.5 mL.	Plasma MUST be separated from cells within 45 minutes of collection and transferred to a certified metal free transfer tube. Reject: Certified metal-free plastic transport tube not submitted. Maintain specimen at room temperature.

42782	Chromium, Urine	82495, 82570	CHRU	Urine - 5.0 ml of random urine in plastic urine container, no preservative. Minimum volume - 0.6 ml.	Maintain specimen at room temperature.
19270	Chromogenic Factor Xa (Stuart Factor)	85260	CHROM	Blue-top (sodium citrate) tube - 2.0 ml plasma, FROZEN. Minimum volume - 1 ml.	Blood should be collected in a blue-top tube containing 3.2% buffered sodium citrate. Evacuated collection tubes must be filled to completion to ensure a proper blood-to-anticoagulant ratio. Spin tube and FREEZE plasma in plastic sendoff vial.
3431	Chromogranin A	86316	CHROMA	Red-top tube, Serum gel tube, lavender-top (EDTA) tube, or green-top (heparin) tube - 1 ml serum or plasma. Minimum volume - 0.5 ml.	Separate serum or plasma from cells and transfer to a plastic transport tube. Refrigerate. Reject: Plasma other than EDTA or heparinized; Frozen red-top tube received; radioactive isotopes administered within 48 hours prior to venipuncture; grossly hemolyzed sample.
2849	Chromosome Analysis, Bone Marrow	88262, 88237x2	CABM	Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Green-top (Sodium Heparin) tube - 3 to 5 ml. whole blood.	Store and transport at room temperature only.
9903	Chromosome Analysis, Focused Analysis	88230, 88262	CAFA	Green Top (Sodium Heparin) - 3 to 5 ml whole blood. Pediatric minimum sample - 1 to 3 ml.	Store and transport at room temperature only. Reject specimens collected with lithium heparin.
43378	Chromosome Analysis, Lymph Node	88262, 88237	CALN	Lymph Node - Place sample in transport or viral media provided by lab.	Store and transport at room temperature only.
2848	Chromosome Analysis, Neonatal Blood	88230x2, 88262, 88285	CABS	Green Top (Sodium Heparin) - 3 to 5 ml whole blood. Neonate minimum sample - 1 to 3 ml.	Store and transport at room temperature only. Reject specimens collected with lithium heparin.
2847	Chromosome Analysis, Peripheral Blood	88230, 88262	CAPB	Green Top (Sodium Heparin) - 3 to 5 ml whole blood. Pediatric minimum sample - 1 to 3 ml.	Store and transport at room temperature only. Reject specimens collected with lithium heparin.
2854	Chromosome Analysis, Solid Tissue	88262, 88233	CATIS	Tissue - Place sample in transport or viral media provided by lab.	Store and transport at room temperature only.
2855	Chromosome Analysis, Solid Tumor	88262, 88239	CATUM	Tumor - Place sample in transport or viral media provided by lab.	Store and transport at room temperature only.
	Chromosome Microarray Analysis			See Comparative Genomic Hybridization	
52721	Circulating Anticoagulant (Mixing Studies) - PT	85610, 85611	PTMX	Blue-top (sodium citrate) tube - 2.7 ml whole blood	Test must be performed or plasma separated within 4 hours of collection. Reference Lab Clients: Centrifuge, separate and freeze plasma in plastic transport vial.
52722	Circulating Anticoagulant (Mixing Studies) - PTT	85732, 85730	PTTMX	Blue-top (sodium citrate) tube - 2.7 ml whole blood	Test must be performed or plasma separated within 4 hours of collection. Reference Lab Clients: Centrifuge, separate and freeze plasma in plastic transport vial.
	Circulating Immune Complexes			See C1q Binding	
	Circulating Platelet Antibodies			See Platelet Antibodies	
1243	Citric Acid, 24 Hr Urine	82507	CITU	Urine - 10 ml. aliquot of 24 hour specimen collected with 30 ml. 6N HCl preservative. Minimum volume - 2.5 ml. aliquot.	Instruct the patient to void at 8 AM and discard the specimen. Then collect all urine including the final specimen voided at the end of the 24-hour collection period (ie, 8 AM the next morning). Keep container refrigerated during collection. Final pH must be 1-3. Refrigerate. Reject: Acetic or boric acid used as a preservative.
2154	CK (ISO) FRACTIONATION	82550, 82552	NNCKIS	2mL red top tube, serum, frozen	Centrifuge and transfer serum into plastic sendoff vial, frozen. Patient Preparation: CK is most commonly elevated in acute myocardial infarction (AMI) in which it has its greatest usefulness. Collection of specimen at onset of symptoms to establish baseline values is needed.
51877	Clobazam	80339	CLOB	Red-top tube or green-top (heparin) tube - 1 ml. serum or plasma. Minimum volume - 0.5 ml.	Serum or plasma should be separated from cells within two hours of venipuncture. Transfer separated serum or plasma to a plastic transport tube. Submission/transport: <3 days, room temperature. For storage beyond three days, specimen should be refrigerated or frozen. Stable for nine days. Reject: Gel-barrier tubes.
1249	Clomipramine (Anafranil)	82542	CLMI	Red-top, Lavender-top (EDTA) or Green-top (heparin) tube - 1.0 ml serum or plasma. Minimum volume - 0.5 ml. Do not use a gel-barrier tube.	Transfer separated serum or plasma to a plastic transport tube. For therapeutic monitoring, collect specimen immediately prior to next dose. Maintain specimen at room temperature or refrigerate. Reject: Gel-barrier tube.
42575	Clostridium difficile Antigen and Toxin	87449, 87324	CDTAC	Collect liquid stool in sterile, wide mouth container. Minimum volume - 1.0 ml of liquid stool.	Storage Instructions: Refrigerate at 2°C to 8°C after collection, submit to lab within 48 hours. Formed stool is not acceptable and stool in preservative is not acceptable. Diapers are not acceptable. Household storage containers are not acceptable.
41449	Clostridium difficile Toxin, PCR REFERENCE LAB ONLY	87493	CDTPCR	Collect liquid stool in sterile, wide mouth container.	Storage Instructions: Refrigerate at 2°C to 8°C after collection. Only orderable by CLN Microbiology Department. Test will be added on to samples that are indeterminate by CDTAC by the Microbiology Department.
8680	Clozapine (Clozaril)	80159	CLOZA	Red-top, lavender-top (EDTA) or green-top (heparin) tube - 1.0 ml serum or plasma. Minimum volume - 0.5 ml. Do not use a gel-barrier tube.	Transfer separated serum or plasma to a plastic transport tube. Refrigerate. Reject: Gel-barrier tube.
	CMP			See Comprehensive Metabolic Pkg	
32049	CMT Complete	81325	CMTCOM	Lavender-top (EDTA) tube - 10 ml. whole blood.	Room temperature, avoid freezing. Ship same day, must arrive Monday - Friday.
54757	CMV Antibody, IgG Avidity	86644	CMVGA	Serum gel tube - 1 ml. serum. Minimum volume 0.5 ml.	Separate serum from cells ASAP or within 2 hours of collection. Refrigerate.
1836	CMV Antibody, IgG	86644	CMIGG	Red-top or Serum gel tube - 0.5 ml serum. Minimum volume - 0.2 ml.	Refrigerate. Specimen is stable for two days at room temperature or refrigerated. For storage longer than two days, freeze the specimen.
55295	CMV Antibody, IgG/IgM Total	86644, 86645	CMVABT	Serum gel tube - 1 ml serum	Refrigerate. Specimen is stable for two days at room temperature or refrigerated. For storage longer than two days, freeze the specimen.
1877	CMV Antibody, IgM	86645	CMVM	Red-top or Serum gel tube - 1.0 ml serum. Minimum volume - 0.5 ml.	Refrigerate. Specimen is stable for two days at room temperature or refrigerated. For storage longer than two days, freeze the specimen.



43483	CMV Antiviral Resistance Sequencing Viracor	87910	GRCMV1	Lavender-top (EDTA) or yellow ACD tube - 2 ml. plasma, FROZEN.	Centrifuge and transfer 2 ml. of plasma to a sterile, screw-top tube and FREEZE.
62177	CMV PCR TISSUE VIRACOR	87496	CMVTIS	Collect 5 mg fresh tissue (approximately ½ of a pencil eraser size).	Place fresh tissue in a sterile, screw top container. The preferred handling is to not add water, saline or other fluid media to the tissue container; however, fluid media filled containers will be accepted for qualitative results. <b>Formalin fixed, paraffin embedded tissue will not be accepted.</b>
54554	CMV Quant PCR, Amniotic Fluid, Viracor	87497	CMVAF	Amniotic fluid, uncentrifuged, in sterile container - 1 ml., FROZEN Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN. Reject: Quantity not sufficient for analysis; gross contamination; specimen too old; leaking or broken tube
56989	CMV Quant PCR, Aqueous Fluid, Viracor	87799	CMVAQ	Aqueous Fluid - 1 ml., in sterile, screw top tube, FROZEN. Minimum volume - 0.5 ml.	Transfer collected amount to sterile, screw top tube for transport. Do not add water, saline or other fluid media to container. Do not send specimen in syringe.
54556	CMV Quant PCR, BAL, Viracor	87497	CMVBAL	BAL - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
54553	CMV Quant PCR, Bone Marrow, Viracor	87497	CMVBM	Lavender-top (EDTA) tube - 2 ml. bone marrow. Minimum volume - 0.2 ml.	Do not centrifuge.
54559	CMV Quant PCR, Bronch Wash, Viracor	87497	CMVBRW	Bronch wash - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
54552	CMV Quant PCR, CSF, Viracor	87497	CMVCSF	CSF - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
54560	CMV Quant PCR, Eye, Viracor	87497	CMVEYE	Sterile swab placed in 2 mL sterile saline, M4, or viral transport media in a sterile, screw top tube (minimum volume 0.5 mL).	Do not use calcium alginate swab or wood shafted swab.
54558	CMV Quant PCR, Pericardial Fluid, Viracor	87497	CMVPE	Pericardial Fluid - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
54557	CMV Quant PCR, Pleural Fluid, Viracor	87497	CMVPLE	Pleural Fluid - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
54555	CMV Quant PCR, Stool, Viracor	87497	CMVF	Stool - small amount of fecal material (size of pea or 2 ml. liquid stool)	Place in screw top tube and FREEZE.
43583	CMV Quant PCR, Urine, Viracor	87497	CMVU	Urine - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collect in a sterile urinalysis container, then transfer to a sterile, screw-top tube and FREEZE.
43352	CMV Quant, WHO Standard (CMV detection by Real-time PCR, CMVQ1, CMV Viral Load)	87497	CMVWS	PPT tube - 5 ml whole blood. Minimum volume required 2.0 ml	Spin within 2 hours of collection. Maintain at room temperature. Do not combine with other codes. A separate tube is needed for processing.
27281	CMV, CSF (IgG & IgM)	86644, 86645	CMVC	CSF - 2 ml.	Refrigerate. Collection: Label specimens plainly as "acute" or "convalescent."
	CO2			See Carbon Dioxide	
45705	Cobalt, Plasma	83018	COBPL	Royal blue-top (EDTA) tube - 2 ml. plasma. Minimum volume - 0.6 ml.	Plasma MUST be separated from cells within 45 minutes of collection and transferred to a certified metal free transfer tube. Reject: Certified metal-free plastic transport tube not submitted.
1511	Cocaine, Urine	82520	COKE	Urine - 10 ml random urine in sterile specimen container	
62883	Coccidioides Antibody IGG	86635	COCIGG	Serum Gel Tube (SST) - 1mL	
42978	Coenzyme Q10, Total	82542	CQ10	Green-top (heparin) tube - 1 ml. plasma, FROZEN AND PROTECTED FROM LIGHT	Draw blood into chilled green-top tube. Gently invert five to six times to mix with preservatives. Keep unopened vacuum tube on ice before processing. Immediately separate plasma from red cells by centrifugation. Plasma must be separated from cells within 45 minutes of venipuncture. Transfer plasma specimen to a labeled amber transport tube and freeze on dry ice. Protect from light. To avoid delays in turnaround time when requesting multiple tests on frozen samples, please submit separate frozen specimens for each test requested.
32187	Coffin Lowry Tier 1 (RSK2 Tier 1)	81479	CLT1	Lavender-top (EDTA) tube - 5 to 7 ml. whole blood	
39261	Cold Agglutinin	86157	COLDA	Red-top tube or serum gel-barrier tube - 1 ml. serum Minimum volume - 0.5 ml.	Transport blood immediately to laboratory. Incubate at 37° C and allow to clot at 37° C. Separate serum from cells. Do not refrigerate prior to separation of serum from red cells. Reject: Refrigeration of the specimen before separating serum from cells.
1107	Cold Hemolysins (Donath-Landsteiner AB)		CLDH	2 small red-top tubes - 7ml. whole blood.	Collection: COLLECT 2 SMALL RED TOP TUBES (7ML) AND IMMEDIATELY PLACE IN PEDIATRIC HEEL WARMER IN AN UPRIGHT POSITION. MONDAY-FRIDAY, 7:00 A.M. TO 3:00 P.M. ONLY. CALL SPECIAL HEMATOLOGY IF YOU HAVE QUESTIONS, EXT 53455.
	Collagen Crosslinked N-Telopeptide			See N-Telopeptide Crosslinks	

41530	Comparative Genomic Hybridization	88386x6, 83891x2	ACGH1	Lavendar-top (EDTA) tube (to Molecular Pathology) AND 1 green-top (sodium heparin) tube (to Cytogenetics) Newborns: 1 ml. whole blood/tube Adults: 3-5 ml. whole blood/tube	Maintain specimen at room temperature. Do not combine with other test codes. Please submit a separate specimen for each genetic test requested.
5419	Complement C2	86160	COMC2	Red-top or Serum gel tube - 2 ml serum Minimum volume - 1.0 ml.	If a red-top tube is used, transfer separated serum to a plastic transport tube. <span style="float: right;">Maintain specimen at room temperature.</span> Reject: Hemolysis; plasma specimen.
1795	Complement C3	86160	NNC3	Red-top or Serum gel tube - 2 ml serum	
43415	Complement C4	86161	CC4	Red-top or Serum gel tube - 2 ml serum	
1021	Complement C5a	86160	C5A	Lavender-top (EDTA) tube - 1 ml. plasma, FREEZE Minimum volume - 0.5 ml.	Centrifuge, separate and FREEZE plasma in plastic sendoff vial. <span style="float: right;">Ship on dry ice.</span>
	Complement Fixation			See Fungus Serology	
56995	Complement, Total (CH50), Cincinnati Children's	86162	CH502	Red top tube - 2.0 ml. serum. Minimum volume - 1 ml. <b>DO NOT USE GEL TUBES.</b>	<b>Strict frozen.</b> Allow specimen to clot for one hour at room temperature. Separate serum from cells ASAP or within 2 hours of collection. Transfer serum to a separate aliquot tube. Reject: Separator tubes. Specimens left to clot at 2-8°C. Specimens exposed to repeated freeze/thaw cycles. Non-frozen specimens.
1591	Complement, Total (CH50)	86162	TCOM	Red-top or Serum gel tube - 1.0 ml serum, FROZEN Minimum volume - 0.5 ml.	Allow specimen to clot at room temperature for 15 to 30 minutes. Remove serum after centrifugation, and place in plastic transport tube. <b>FREEZE.</b> Reject: Specimen not transported frozen, lipemia; plasma.
	Complete Blood Count			See CBC	
	Compound S			See 11-Desoxycortisol	
34144	Comprehensive Metabolic Pkg - CMP (Includes Na, K, Cl, CO2, Gluc, BUN, Creat, Alb, TP, Bili, AST, Ca) with GFR	80053	CH12G	Green-top (lithium heparin) plasma gel tube - 2 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	
34177	Comprehensive Metabolic Pkg - CMP (Includes Na, K, Cl, CO2, Gluc, BUN, Creat, Alb, TP, Bili, AST, Ca) with GFR <b>Reference Lab Only</b>	80053	CH12RG	Green-top (lithium heparin) plasma gel tube - 2 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	
	Copper Oxidase			See Ceruloplasmin	
1026	Copper, 24 Hr Urine	82525, 81050	UC24	Urine - 5 ml. aliquot from a 24 hr. urine collection, no preservative required Minimum volume - 1.3 ml.	Maintain specimen at room temperature.
1025	Copper, Serum	82525	CU	Royal blue-top (EDTA) tube - 1.0 ml. plasma Minimum volume - 0.5 ml.	Plasma must be centrifuged, separated from cells and aliquoted into a certified metal free transfer tube for transport within 45 minutes of collection. Maintain specimen at room temperature. Reject: Serum gel tube, re-top tube, or certified metal-free plastic transport tube not submitted. Specimens received unspun or still remaining in a blue-top tube will be rejected.
	Coproporphyrin			See Porphyrins	
8607	Cortisol Level	82533	CORT	Green-top (lithium heparin) plasma gel tube - 2 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	
22623	Cortisol Study (Referred)	82533 (per specimen)	LLCORN	Red-top or serum gel tube - 1 ml. serum. Minimum volume - 0.5 ml.	If a red-top tube is used, transfer separated serum to a plastic transport tube. Reject: Citrate plasma specimen; improper labeling.
1586	Cortisol, Free 24 Hr Urine	82530	FCORT	Urine, 24 hr. collection in a container with 1 g boric acid per liter of urine - 100 ml. aliquot Minimum volume - 10 ml. aliquot	Instruct the patient to void at 8 AM and discard the specimen. Then collect all urine including the final specimen voided at the end of the 24-hour collection period (ie, 8 AM the next morning) in a plastic bottle containing 1 g boric acid per liter of urine. Refrigerate.
	Cotinine			See Nicotine	
1876	Coumadin (Warfarin)	82491	COUM	Red-top, lavender-top (EDTA) or green-top (heparin) tube - 2 ml serum or plasma Minimum volume - 1.0 ml. <b>Do not use a gel-barrier tube.</b>	Transfer serum or plasma into transport tube. Refrigerate. Reject: Serum gel tube.
37068	Coxsackie A IgG IgM Antibody Panel	86658x8	COXGM	Red-top tube, Serum gel tube, lavender-top (EDTA) tube, green-top (heparin) tube, or blue-top (sodium citrate) tube - 1 ml. serum or plasma Minimum volume - 0.5 ml.	Refrigerate.
1834	Coxsackie B Antibodies	86658x6	COXBB	Red-top tube or Serum gel tube - 3.0 ml. Minimum volume - 1.0 ml.	Refrigerate. <span style="float: right;">Reject: Hemolysis; lipemia; gross bacterial contamination.</span>
57004	Coxsiella burnettii Antibody Panel	86638x4	COXBA	Red-top tube or Serum gel tube - 1.0 ml. serum	Refrigerate. <span style="float: right;">Reject: Hemolysis; lipemia. If a red-top tube is used, centrifuge and transfer serum to a plastic transport tube.</span>
1267	C-Peptide, Serum	84681	CPEP	Red-top tube or Serum gel tube - 1.0 ml. serum Minimum volume - 0.5 ml.	If a red-top tube is used, transfer serum to a plastic transport tube. Refrigerate. Avoid hemolysis. <span style="float: right;">Reject: Citrate plasma specimen.</span>
1504	CPK, Total	82550	CPK	Green-top (lithium heparin) plasma gel tube - 1 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	
1632	Creatinine Clearance	82575, 81050	CRCL	Green-top (lithium heparin) gel tube - 1.0 ml plasma AND Urine, 24 hr. collection, no preservative required.	

34184	Creatinine with GFR	82565	CREG	Green-top (lithium heparin) plasma gel tube - 1 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	
1730	Creatinine, 24 Hr Urine	81050, 82570	CCR24	Urine, 24 hr. collection, no preservative required.	
1869	Creatinine, Urine	82570	CREU	Urine - 10 ml random urine in sterile specimen container	
	Crohn's Disease Panel			See Saccharomyces cerevisiae Panel	
58457	Crohn's Disease Prognostic Profile	83516X3, 86671	CROHNS	Red top or serum gel tube - 1 ml. serum	If a red top tube is used, centrifuge, and transfer serum to a plastic transport tube. Refrigerate. Reject: Hemolysis; lipemia; heat-treated specimen; gross bacterial contamination.
35661	Crossmatch by Flow Cytometry	86825, 8682691	FLOWXM	Red-top tube - 4.0 ml.	Maintain at room temperature.
1735	Crossmatch for ABO/RH	86850, 86900, 86901	XM	Lavender-Top (EDTA) or pink-top (EDTA) tube - 5 ml whole blood	Must be <b>completely hand labeled</b> with patient name, medical record #, unique armband #, date, time and collector's initials.
1242	Crossmatch for Transplant (Donor and Recipient Only)	86805x2, 86825, 86826x2	CDRB	Recipient - One (1) Red-top tube Donor - Four (4) Green-top (heparin) tubes - 5 ml. blood per tube.	Collect set from both donor and recipient.
55444	Cryofibrinogen, Qualitative	82585	CRYOFQ	Blue-top (sodium citrate) or lavender-top (EDTA) tube - 3 ml. plasma. Minimum volume - 1 ml.	Specimen must be drawn in a prewarmed tube and kept at 37° C. Separate plasma from cells immediately, and transfer the plasma into a clean transport tube. <b>Label transport tube "Prewarmed."</b> Maintain specimen at room temperature. Reject: heparinized plasma; whole blood received.
1817	Cryoglobulin, Qualitative with Quantitative Reflex	82595	NNCRYO	Red-top or serum gel tube - 3 ml. serum. Minimum volume - 2 ml.	Specimen must be drawn in a prewarmed tube and kept at 37° C while clotting. Separate serum from cells immediately after clot formation (keep at 37° C while clotting), and transfer serum into a clean transport tube. <b>Label transport tube "Prewarmed."</b> <b>Storage: Room temperature. Patient should be fasting.</b>
1035	Cryptococcus, Antigen	86403	CRYPS	Serum gel tube - 3 ml serum	
1041	Cryptococcus, CSF	86403	CRYSC	CSF - 1.0 ml in sterile tube	
33934	Cryptosporidium, Giardia Antigen, Feces	87328	PEIAS1	Collect stool in O & P transport container with formalin and PVA. Fill stool until liquid level line on container is met.	Stools must be free of barium, bismuth and oils for at least 72 hours. Stools cannot be mixed with urine. Diapers and rectal swabs are not accepted. Fresh stool should not be submitted, unless it is submitted to the lab within 30 minutes of passage for aliquot into preservative vials. If sample cannot be submitted within 30 minutes of passage, then it should be immediately placed into PVA and formalin vials. Submit to lab within 48 hours. Household storage containers are not acceptable. <b>Submission to the Core Lab must be in fixative vials.</b>
1261	Crystal Exam, Synovial Fluid	89060	SFCRY	Synovial Fluid - 1.0 ml of synovial fluid submitted in Green-Top (heparin), Red Top or stoppered syringe.	Specify source.
42784	C-Telopeptide (Endocrine Sciences)	82523	CTPSR	Serum gel tube - 1mL. Serum, <b>FROZEN</b> . Minimum volume 0.5mL	It is recommended to draw blood as fasting, morning samples. Samples should not be taken from patients receiving therapy with high biotin doses (i.e. >5 mg/day) until at least 8 hours following the last biotin administration. Separate serum from cells within 45 minutes of collection. Transfer specimen to a plastic transport tube and freeze. To avoid delays in turnaround time when requesting multiple tests on frozen samples, please submit separate frozen specimens for each test requested.
43495	CU (Chronic Urticaria) Index Panel Viracor (includes: Anti-Thyroid Peroxidase IgG, Anti-Thyroglobulin IgG, TSH, CU Index)	86376, 86800, 84443, 86352	CUIP1	Red-top tube or serum gel tube - 3 ml. serum, <b>FROZEN</b> .	Centrifuge and transfer 3 ml. of serum to a sterile, screw-top tube and <b>FREEZE</b> . Patients taking calcineurin inhibitors should stop their medication 72 hours prior to draw. Patients on prednisone should be off their medication 2 weeks prior to draw.
1171	Culture, Acid Fast Bacilli (AFB)	87116, 87206, 87015	AFC	For optimum results, obtain first morning specimen prior to breakfast. Acceptable specimens are sputum, tracheal aspirates, and bronchial washes (non-quantitative). Also acceptable are tissues, fluids, and drainage. Swabs are unacceptable.	Transport in a sterile leak-proof container. Submit to lab within 48 hours of collection.
1265	Culture, Anaerobic	87075	ANER	Use anaerobic collection device or syringe if collecting fluid sample. If tissue is being submitted, then must be in sterile container. The tissue will serve as the anaerobic transport that will keep the organism viable for culture. Tissue sample should not be allowed to dry out; to prevent this use a small piece of sterile gauze moistened with sterile saline.	All specimens must be protected from exposure to oxygen, which is toxic to anaerobic organisms. The following are unacceptable for anaerobic culture: Expectorated or induced sputa or tracheal aspirates; any other respiratory specimens which potentially contain mouth flora; i.e., bronchoscopy, throat, nasopharyngeal, and unprotected BAL specimens, Voided urines, bladder urines, or catheter urines, vaginal/cervical/vulvar swabs, Lochia, Placental swabs (if not collected at C-section), Perineal swabs, Prostatic or seminal fluids, Urethral swabs, Feces or rectal swabs. Culture for anaerobes should be considered in conjunction with culture for aerobes from the same source/sample; therefore culture for anaerobes alone is not acceptable; except for IUD samples which will be evaluated for Actinomyces only.
40389	Culture, Blood Bag	87070	BAG	Blood Bags and Blood product bags submitted from CLN Blood Banks.	Alternate Name: Transfusion Reaction Culture
5615	Culture, Blood, Fungus	87103	BLCF	1.0 - 5.0 mL in Myco/F Lytic (White Top/Red Label)	Do not collect Isolator™ tube. Yeast are routinely recovered from routine blood cultures. Fungal blood cultures are appropriate in suspected cases of moldemia.
1710	Culture, Blood, Mycobacteria (Acid Fast Bacilli)	87116	BLCAF	1.0 - 5.0 mL in Myco/F Lytic (White Top/Red Label)	
1002	Culture, Blood, Routine Adult	87040	BLCS	<b>20.0 ML Blood/Culture</b> Set 1 (Venipuncture Site #1) 8.0-10.0 mL in Plus Aerobic/F (Gray Top) 8.0-10.0 mL in Lytic Anaerobic/F (Purple Top) Set 2 (Venipuncture Site #2) 8.0-10.0 mL in Plus Aerobic/F (Gray Top) 8.0-10.0 mL in Lytic Anaerobic/F (Purple Top)	The order is only for one set of cultures (Grey and Purple tops). However, two sets are recommended; two orders will need to be placed if two sets are collected. Never put more than 10.0 mL in one blood culture bottle. If less than 16ml is collected, then put 8ml in Aerobic (Gray Top) bottle and the remaining volume in the Anaerobic (Purple Top) bottle. Blood stream infections are most often caused by aerobic organisms. Samples should be received in lab within 48 hours of collection; do not refrigerate.

1293	Culture, Blood, Pediatric-Newborn to 17 years	87040	BLCP	2.0 - 10.0 mL Blood/Culture - in Plus Aerobic/F (Gray Top) .	Volume collected is dependant upon the weight of the patient. If only very small volumes can be collected, then multiple collections may be necessary to evaluate for blood stream infections. Samples should be received in lab within 48 hours of collection; do not refrigerate.
	Culture, Bone Marrow	87254x2, 87252		Bone Marrow is sent to Special Hematology for inoculation into Resin Bottles	
5619	Culture, Bronchial Quantitative	87205, 87070	BRONC	Bronchial washing, Bronchial Lavage, or Bronchial Brushings in sterile container.	Submit to the lab within 48 hours of collection
5614	Culture, Catheter Tips	87070, 87205	TIPC	Acceptable catheter tips include: Central line, PICC, PCVC, Arterial line, Hickman, Perma, Groshong, IJ, CVP, Swab, Triple Lumen, Cordis, Parta cath, Ventricular, Epidural, Derma, PD tip. Foley cath tips are not acceptable	Place tip of catheter in sterile screw top container. Deliver to lab within 48 hours.
1146	Culture, Chlamydia	87110, 87140	CLD	Swab immediately broken into Viral Transport Media	When collecting a swab, obtain cells from the margin of the lesion. Chlamydia is found inside human cells. Submit to the lab within 48 hours.
8216	Culture, CSF (AFB)	87116	AFBC	CSF - 2 mL in sterile screw top vial.	Do not refrigerate. Submit to lab within 48 hours of collection. Do not refrigerate for transport.
1202	Culture, CSF (Bacterial)	87070, 87205	SFC	CSF - 1 mL in sterile screw top vial.	Do not refrigerate. Submit to lab within 48 hours of collection. Do not refrigerate for transport.
29736	Culture, CSF (Fungal)	87102	CSFF	CSF - 2mL in sterile screw top vial.	Do not refrigerate. Submit to lab within 48 hours of collection. Do not refrigerate for transport.
29864	Culture, CSF (Viral - Adult)	87254x4	VCSFA	CSF - 1 mL in sterile screw top vial. Viral transport media is not necessary.	Do not refrigerate. Submit to lab within 48 hours of collection. Do not refrigerate for transport.
29863	Culture, CSF (Viral - Neonate)	87254x4	VCSFB	CSF - 1 mL in sterile screw top vial. Viral transport media is not necessary.	Do not refrigerate. Submit to lab within 48 hours of collection. Do not refrigerate for transport.
29641	Culture, Cystic Fibrosis Respiratory	87070	CFRES	Sputum, Tracheal Aspirate, and gag sputum are acceptable in sterile container.	Submit to the lab within 48 hours of collection
5612	Culture, Exudate from Wounds, Abscesses and Lesions (Bacterial)	87070, 87205	WDC	Preferred sample is exudate (tissue, drainage, aspirate, etc). Liquid Stuarts swab is also acceptable. Wooden swabs are not acceptable.	Collect aspirate using needle and syringe. Cleanse site to be cultured thoroughly. Submit to the lab within 48 hours of collection.
5620	Culture, Eye/Ear (Bacterial)	87070, 87205	EARI	For eye cultures submit small NP swab or fluid collection from the eye. Swab from within the ear canal submitted in Liquid Stuart transport media or drainage material. Wooden swabs are not acceptable.	Using a small NP swab, touch mucosal surface and place swab in culturette container. Wash eye with sterile normal saline to remove superficial exudate. Gram stain included for eyes only. If source is an external ear wound, then order wound culture, Submit to the lab within 48 hours of collection
1305	Culture, Fungal	87101	FUNG	Specimens submitted on culturette swabs are suboptimal for fungal cultures. Preferred sample is exudate (tissue, drainage, aspirate, etc). Wooden swabs are not acceptable.	Do not Refrigerate. Submit to the lab within 48 hours of collection
3462	Culture, Fungus (Hair, Nail or Skin)	87101, 87206	FUNGT	Hair - Remove 10-12 infected hairs with forceps and place in sterile container. Skin Scrapings - Cleanse skin with alcohol sponge. Scrape entire periphery of lesion with scalpel blade or cytology brush. Place scrapings in sterile container. Nail - Cleanse nail with alcohol sponge. Remove first portion of debris under nail with scapel and discard. Scrape remaining portion and place in sterile container.	Lesions should be untreated with topical antifungal agents for one week before culturing. Do not Refrigerate. Submit to the lab within 48 hours of collection.
1130	Culture, GC	87081	GCSC	Liquid Stuarts swab submitted immediately to the lab. Wooden swabs are not acceptable.	Specify source. Specimens for GC from newborns must be collected prior to the Crede procedure.
5610	Culture, Genital (Bacterial)	87070	GENC	Use culturette swab (Liquid Stuarts transport) to collect exudate from vaginal/cervical area or from penile discharge. Wooden swabs not acceptable.	Gram stain included for male specimens only. Submit to the lab within 48 hours of collection.
1091	Culture, Herpes	87254	HCUL	Body fluids and tissue samples may be submitted in viral transport media or in a sterile leak proof container. Swab from lesions of the vulva, cervix, penis, or other areas are to be submitted in viral transport media.	Specify source in order. When collecting a swab, obtain cells from the margin of the lesion. Viruses are found inside human cells. Submit to the lab within 48 hours of collection.
1001	Culture, Legionella	87206, 87081	LDNA	Submit tracheal aspirate, bronchial washing or sputum sample.	Submit to the lab within 48 hours of collection
29867	Culture, Respiratory (Viral)	87254, 87252	VRESP	Flocked swab with viral transport media is preferred sample type for NP collections. For specimens other than swabs, place a small amount (0.5 mL) into viral transport broth or send entire specimen to the lab.	Submit to the lab within 48 hours of collection
1252	Culture, Respiratory (Bacterial)	87070, 87205	RESP	For optimum results, obtain first morning specimen prior to breakfast. Acceptable specimens are sputum, tracheal aspirates, and bronchial washes (non-quantitative).	Submit specimen in sterile, wide mouth container. Submit to the lab within 48 hours of collection
42517	Culture, Sinus/Nasal	87070	EENSIN	Nasal or Sinus Swab. Nasal Swabs will only be tested for the presence/absence of MRSA. Sinus swabs will be evaluated for all pathogen types.	External swabs of the nose should be ordered as a wound culture. Submit to the lab within 48 hours of collection.
39177	Culture, Staph Surveillance	87081x2	SSURV	Nasal Swab	Report will include presence/absence of both MRSA and MSSA. Intended for pre-operative workup. Susceptibility testing will not be performed. If it is expected that susceptibilities will be needed, then order as a Sinus/Nasal Culture. Submit to the lab within 48 hours of collection
1002	Culture, Stem Cells	87040	BLCS	0.5 - 3.0 mL in Plus Aerobic/F (Gray Top)	

5609	Culture, Sterile Fluid (Bacterial)	87070, 87205	FLDC	Sterile Body Fluid : 5-20 ml in sterile container. Acceptable sources are: Paracentesis, Peritoneal, Peritoneal effusion, Peritoneal Dialysis, Pleural, Pleural effusion, Thoracentesis, Amniotic, Synovial, Pericardial, and Ascites fluid.	Specify source. Submit to lab within 48 hours of collection. Do not refrigerate for transport. Sources other than those listed in specimen requirements should not be ordered as FLDC. These other samples, i.e., abscesses, drainages, etc., should be ordered as either wound or surgical cultures, depending on patient location at time of collection.
1270	Culture, Stool (Bacterial)	87045, 8704691	STLC	Submit fresh stool or stool in Cary Blair media. Requires 10 to 25 gms of specimen. Specimen must be free of barium, bismuth, and oily suspensions. It cannot be mixed with urine. Diapers are not acceptable.	Specimen must be free of barium, bismuth, and oily suspensions. It cannot be mixed with urine. Diapers are not acceptable. Household storage containers are not acceptable. Submit to lab within 48 hours of collection.
5612	Culture, Surgical (Bacterial)	87070, 87205	SURG	Preferred sample is exudate (tissue, drainage, aspirate, etc). Liquid Stuarts swab is also acceptable. Must be collected in OR or via Surgical procedure.	Collect aspirate using needle and syringe. Cleanse site to be cultured thoroughly. Submit to the lab within 48 hours of collection.
9866	Culture, Strep Group A	87081	STREPA	Liquid Stuarts swab. Will test for the presence of Group A Strep only.	Depress tongue with tongue blade and swab tonsillar area, posterior pharynx, and any areas of inflammation.
26541	Culture, Throat, All Pathogens	87070	TCULT	Liquid Stuarts swab. Will test for Group A Strep (Streptococcus pyogenes), Streptococcus dysgalactiae, and Arcanobacterium	Use culturette swab. Depress tongue with tongue blade and swab tonsillar area, posterior pharynx, and any areas of inflammation.
1227	Culture, Urine (Bacterial)	87086	URNC	Urine - Greater than 3 ml collector, submitted in grey top urine tube; filled to the 3ml fill line. Less than 3ml in grey top tube is unsuitable to analyze; will be rejected. Less than 3 ml. in sterile transport container is acceptable if kept on ice during transport and storage. Urines not in grey top tubes that are not sent on ice will be rejected	Submit to lab within 48 hours of collection. Those samples not in grey top tube must be kept refrigerated at 2 - 8° C if transport on ice is delayed more than 2 hours.
31464	Culture, Urine (Viral)	87254	VCMV	Collect 10 - 20 mL in sterile container. Will be tested for CMV only	Collect 10 - 20 mL in sterile container. Submit to lab within 48 hours.
54627	Culture, Urine, Special (Surgical Urine Culture)	87086	SURNC	Urine - 3 ml., submitted in grey top tube (see acceptable specimen types)	Less than 3 ml. can be submitted in a sterile cup, <b>ON ICE. Acceptable specimen types: cytoscopic (bladder, kidney, ureter), ileal loop, suprapubic catheter/aspirate, ureteral, post-prostatic massage, sterile in-and-out catheter from presurgical patients (must be labeled as "in-and-out surgical")</b> . Submit to lab within 48 hours of collection. Those samples not in grey top tubes must be kept refrigerated at 2 - 8° C if transport on ice is delayed more than 2 hours.
39179	Culture, Vibrio (Stool)	87046	VIBC1	Submit fresh stool or stool in Cary Blair media. Requires 10 to 25 gms of specimen. Specimen must be free of barium, bismuth, and oily suspensions. It cannot be mixed with urine. Diapers are not acceptable.	Specimen must be free of barium, bismuth, and oily suspensions. It cannot be mixed with urine. Diapers are not acceptable. Household storage containers are not acceptable. Submit to lab within 48 hours of collection.
1177	Culture, Viral	87254	VICUL	Submit sample in sterile transport container (cup, conical tube, or aliquot tube without preservative) or place 1ml in viral transport medium. When collecting a swab, obtain cells from the margin of the lesion and place swab in viral transport medium. Viruses are found inside human cells.	Specify source in order. Viruses tested will be determined based on source of specimen. Refrigerate at 2-8° C if transport is delayed more than 2 hours. Transport specimen under refrigerated conditions. Submit specimen to lab within 48 hours.
35030	Culture, Water (CLN facilities only)		XCUL	Laboratory Water collected in sterile cup or 50ml conical tube. Minimum volume = 50ml, but 100ml is preferred.	Only CLN facilities. Submit samples same day as collection.
39180	Culture, Yersinia (Stool)	87046	YERC1	Submit fresh stool or stool in Cary Blair media. Requires 10 to 25 gms of specimen. Specimen must be free of barium, bismuth, and oily suspensions. It cannot be mixed with urine. Diapers are not acceptable.	Specimen must be free of barium, bismuth, and oily suspensions. It cannot be mixed with urine. Diapers are not acceptable. Household storage containers are not acceptable. Submit to lab within 48 hours of collection.
1523	Cyanide	82600	CYAN	Gray Top (sodium fluoride) - 1 ml whole blood Minimum volume - 0.5 mL.	Refrigerate.
38003	Cyclic AMP, Plasma or Urine	82030, 82570	CYCAMP	Lavender-top (EDTA) tube - 1.0 ml. plasma, FROZEN Minimum volume: 0.5 ml. Urine - 10 ml random urine. FROZEN	Reference Lab Clients- Collect blood and place on ice. Centrifuge, separate and <b>freeze plasma</b> immediately in a plastic transport vial. <b>Freeze urine</b> in plastic transport vial. Be careful to identify which vial is serum vs. urine.
28718	Cyclic Citrullinated Peptide (CCP) Antibodies, IgA, IgG, ELISA	86200	CCPI	Red-top or serum gel tube - 1 ml. serum.	Following collection, serum should be separated from clot. If a red top tube is used, transfer serum to a plastic transport tube. Storage: refrigerated or room temperature. Reject: Hemolysis, lipemia, addition of azide or other preservative, heat inactivation.
36886	Cyclic Citrullinated Peptide, IgG CP	86200	CCPAB	Serum gel tube (SST) - 3 ml. serum. Minimum volume - 1 ml.	
56545	Cyclospora Smear, Stool	87015, 87206	CYCLO1	Stool - 5 g. in Parasite (O & P) transport with formalin (Para-Pak® pink)	Fecal specimens for parasitic examination should be collected before initiation of anti-diarrheal therapy or antiparasitic therapy. The highest yield on hospitalized patients occurs when diarrhea is present on admission or within 72 hours of admission. Maintain specimen at room temperature. Reject: Inappropriate specimen transport conditions (eg, frozen) or device; improper labeling; specimen received after prolonged delay (usually more than five days); leaking specimen; specimen received in denture cup, "Cool Whio" container, margarine container, or similar container
1385	Cyclosporine	80158	CTDXM	Lavender-top (EDTA) tube - 3 ml whole blood. Pediatric minimum sample - 0.5 ml in lavender microtainer tube.	

5628	Cysteine Determination	84999	CYST	Green-top (lithium heparin) tubes - 2 tubes	Must deliver to Immunology within 10 minutes of collection.
9815	Cystic Fibrosis Screening Panel (Cystic Fibrosis Genotyping, CFTR Testing)	81220	CFS	Lavender-top (EDTA) tube - 4.0 ml whole blood. Pediatric minimum volume - 2.0 ml	ACD is acceptable, but is not preferred. Maintain at room temperature. Do not combine with other test codes. Please submit a separate specimen for each genetic test requested.
22922	Cysticercosis (Taenia solium)	86682	CYSC	Red-top or Serum gel tube - 1 ml serum, FROZEN	Transfer separated serum or plasma to a plastic transport tube. FREEZE.
1167	Cystine (Quantitative), 24 Hr Urine	82131	CYS24	Urine - 24 hr. collection, no preservative required - 5 ml. aliquot. Minimum volume - 2.5 ml. aliquot	The test request form <b>must</b> state date and time collection started and finished. The test request form <b>must</b> state whether patient is taking penicillamine. Measure and record on the test request form 24-hour total urine volume. Refrigerate.
34448	Cytology, Body Fluid	88173		Submit fresh body fluid in sterile specimen container or stoppered syringe. Do not use any preservatives or additives.	Deliver ASAP to lab.
1699	Cytology, Bronchial Brushings and Washings	88104		Submit 3 parts specimen: 1 part CytoLyt fixative (in specimen container). If CytoLyt is not available, fresh specimen is acceptable but refrigerate if delivery is delayed.	Deliver ASAP to lab.
1608	Cytology, CSF	88161		Submit CSF in sterile specimen container or stoppered syringe. Do not use any preservatives or additives.	Deliver ASAP to lab.
1698	Cytology, Sputum	88160, 88108		Submit 3 parts specimen: 1 part CytoLyt fixative (in specimen container). If CytoLyt is not available, fresh specimen is acceptable but refrigerate if delivery is delayed.	Deliver ASAP to lab.
1678	Cytology, Urine	88161		Submit 3 parts specimen: 1 part CytoLyt fixative (in specimen container). If CytoLyt is not available, fresh specimen is acceptable but refrigerate if delivery is delayed.	Early morning specimen preferred. Deliver ASAP to lab.
41750	D-Dimer, Quantitative	85379	EEDD	Blue-top (sodium citrate) tube - 2.7 ml whole blood.	Reference Lab Clients - Centrifuge, separate and freeze plasma in plastic sendoff vial.
57459	Dehydrocholesterol, 7 or 8 (7-Dehydrocholesterol)	82542	7DHC	Lavender-top (EDTA) or green-top (heparin) tube - 1 ml. Plasma, <b>FROZEN</b>	Reference Lab Clients - Centrifuge, separate and freeze plasma in plastic sendoff vial.
	Dehydroepiandrosterone			See DHEA	
	Dehydroepiandrosterone Sulfate			See DHEA Sulfate	
	Delta Aminolevulinic Acid			See Aminolevulinic Acid	
56577	Dementia, Autoimmune Evaluation, CSF, Mayo	86255, 83519, 86341	DEMESF	CSF - 4 ml. in a sterile screw-top vial. Minimum volume - 2 ml.	Refrigerate.
56576	Dementia, Autoimmune Evaluation, Serum, Mayo	83519x5, 86255x11, 86341	DEMES	Red-top or serum gel tube - 4 ml. serum. Minimum volume - 2 ml.	If s red top tube is used, centrifuge and transfer serum to a plastic transport tube. Refrigerate.
36391	Demerol (Meperidine)	83925	DEM	Red-top tube, lavender-top (EDTA) tube, or green-top (heparin) tube - 1 ml. serum or plasma. Minimum volume - 0.3 ml. <b>Do not use a gel-barrier tube.</b>	Transfer separated serum or plasma to a plastic transport tube. <b>Reject: Use of gel-barrier Tube</b>
57001	Dengue Virus IgG, Viracor	86790	DENG V	Red-top or Serum gel tube - 1 ml. serum, FROZEN.	Allow specimen to clot for a minimum of 30 minutes. Centrifuge and transfer 1 mL serum to a frozen specimen transport tube. Serum samples should be frozen immediately (-20° C). Reject: Specimen types other than serum. Grossly lipemic or hemolyzed specimens.
56999	Dengue Virus IgM, Viracor	86790	DENMV	Red-top or Serum gel tube - 1 ml. serum, FROZEN.	Allow specimen to clot for a minimum of 30 minutes. Centrifuge and transfer 1 mL serum to a frozen specimen transport tube. Serum samples should be frozen immediately (-20°C). Reject: Specimen types other than serum. Grossly lipemic or hemolyzed specimens.
1687	Deoxycorticosterone	82633	DOXYC	Red-top tube, Serum gel tube, lavender-top (EDTA) tube, or green-top (heparin) tube - 3 ml. serum (preferred) or plasma, FROZEN Minimum volume - 1.0 ml.	Separate serum or plasma from cells within 1 hour of collection. Transfer specimen to a plastic transport tube. FREEZE.
	Depakote			See Valproic Acid	
	Desipramine (Tricyclic)			See Imipramine (Tofranil)	
1887	Desyrel (Trazodone)	82542	DESY	Red-top tube - 2.0 ml serum Minimum volume - 1.0 ml. <b>Do not use a gel-barrier tube.</b>	Refrigerate. Reject: Serum gel tube
8227	DFA - Adenovirus	87260	DFAAD	Flocked swab in Viral Transport Media or nasal washing	Refrigerate at 2 - 8° C, if transport is delayed more than 2 hours. Transport specimen under refrigerated conditions.
8222	DFA - Herpes Simplex 1	87274	DFAS1	Liquid Stuarts Swab or flocked swab in Viral Transport Media or nasal washing	Refrigerate at 2 - 8° C, if transport is delayed more than 2 hours. Transport specimen under refrigerated conditions.
8223	DFA - Herpes Simplex 2	87273	DFAS2	Liquid Stuarts Swab or flocked swab in Viral Transport Media or nasal washing	Refrigerate at 2 - 8° C, if transport is delayed more than 2 hours. Transport specimen under refrigerated conditions.
8224	DFA - Influenza A	87276	DFAIA	Flocked swab in Viral Transport Media or nasal washing.	Refrigerate at 2 - 8° C, if transport is delayed more than 2 hours. Transport specimen under refrigerated conditions.

8225	DFA - Influenza B	87275	DFAIB	Flocked swab in Viral Transport Media or nasal washing	Refrigerate at 2 - 8° C, if transport is delayed more than 2 hours. Transport specimen under refrigerated conditions.
1676	DFA - Pneumocystis Smear	87281	PCPD	Submit fresh bronchial washings or brush biopsy. Do not use preservatives or additives.	Deliver to lab ASAP. Refrigerate at 2 - 8° C, if transport is delayed more than 2 hours. Transport specimen under refrigerated conditions.
8228	DFA - Respiratory Syncytial Virus (RSV)	87280	DFARSV	Liquid Stuarts Swab or flocked swab in Viral Transport Media or nasal washing	Deliver to lab ASAP. Refrigerate at 2 - 8° C, if transport is delayed more than 2 hours. Transport specimen under refrigerated conditions.
8221	DFA - Respiratory Viral Pathogens	87260, 87275, 87276, 87279, 87280, 87299	DFAR	Flocked swab in Viral Transport Media or nasal washing. Includes Adenovirus, Influenza A and B, Parainfluenza 1, 2, and 3, and RSV.	Deliver to lab ASAP. Refrigerate at 2 - 8° C, if transport is delayed more than 2 hours. Transport specimen under refrigerated conditions.
8229	DFA - Varicella Zoster	87290	DFAVZ	Liquid Stuarts Swab or flocked swab in Viral Transport Media or nasal washing	Deliver to lab ASAP. Refrigerate at 2 - 8° C, if transport is delayed more than 2 hours. Transport specimen under refrigerated conditions.
1391	DHEA (Dehydroepiandrosterone)	82626	DHE	Red-top tube or Serum gel tube - 1 ml. serum Minimum volume - 0.5 ml.	If a red top is used, transfer separated serum to a plastic transport vial. Refrigerate.
1392	DHEA-5 (Dehydroepiandrosterone Sulfate)	82627	DHES	Red-top tube or Serum gel tube - 1.0 ml. serum Minimum volume - 0.5 ml.	If a red top is used, transfer separated serum to a plastic transport vial. Refrigerate.
	DHT			See Dihydrotestosterone	
33453	Diamond Blackfan Anemia (RPS19 Sequence Analysis)	81405	DBFA	Lavender-top (EDTA) tube - 5 to 7 ml. whole blood	Keep at room temperature.
	Dicodid			See Hydrocodone	
31597	Difenacoum	82491	DIFE	Red-top or green-top (sodium heparin) tube - 2.0 ml serum or plasma	Serum or plasma should be separated from cells within two hours of venipuncture. Transfer serum or plasma to a plastic transport tube. Reject: Serum gel tube
	Differential(Diff)			See CBC	
8640	Digoxin	80162	DIG	Serum gel tube - 2.0 ml serum, Pediatric minimum sample - 0.7 ml	
19288	Dihydrotestosterone, Free	Call Client Services	DTES	Red-top, serum gel, or green-top (heparin) tube - 3 ml serum (preferred) or plasma, FROZEN. Minimum volume - 1.5 ml.	Centrifuge, separate and freeze serum or plasma in plastic transport vial within 4 hours of collection.
9796	Dihydrotestosterone, Total (17 Beta-Hydroxy-5-Alpha-Androstane-2-One)	82651	DHT	Red top, Serum gel tube, lavender-top (EDTA) or green-top (heparin) tube - 1.0 ml serum (preferred) or plasma, FROZEN.	Centrifuge, separate and freeze serum or plasma in plastic transport vial within 1 hour of collection.
	Dilantin			See Phenytoin	
38017	Diphtheria Antibody	86317	DIPTAB	Red-top or Serum gel tube - 1.0 ml serum Minimum volume - 0.5 ml.	If a red top is used, transfer separated serum to a plastic transport vial. Refrigerate.
1139	Direct Coombs	86880	DAT	Lavender or pink-top (EDTA) tube - 4.0 ml whole blood	
32174	Disopyramide (Norpace)	80299	PACE1	Red-top tube, lavender-top (EDTA) tube, or green-top (heparin) tube - 1.0 ml. serum or plasma. Minimum volume - 0.5 ml.	Transfer serum/plasma to plastic transport vial. Reject: Hemolysis; lipemia; icterus; use of gel-barrier tube
1245	DNA Analysis (DNA Index, DNA Ploidy)	88182	DNAA	Tissue - Fresh or paraffin embedded	
19284	DNase B Titer (ADB, Streptodornase)	86215	DNASB	Red-top or Serum gel tube - 1.0 ml serum Minimum volume - 0.5 ml.	If a red top is used, transfer separated serum to a plastic transport vial. Maintain specimen at room temperature.
	Dolophine			See Methadone Screen	
6994	Doxepin (Sinequan) Level	80166	DOXPX	Red-top, lavender-top (EDTA), or green-top (heparin) tube - 1 ml serum or plasma Minimum volume - 0.5 ml	Transfer serum/plasma to plastic transport vial. Refrigerate. Reject: Use of gel-barrier tube
				<b>Do not use a gel-barrier tube.</b>	
43392	Drug Analysis Profile, Comprehensive, Urine	82570, 80301, 80302x4, 80346, 80334, 80326, 80353, 80358, 80361	UDCOMP	Urine - 30 ml. random urine in sterile container.	Room temperature is acceptable for shipping and/or short-term storage (three days); specimen may also be refrigerated or frozen.
44455	Drug Analysis Profile, Pain Management 10 Drug Panel (Includes: Amphetamine, barbiturate, benzodiazepines, cannabinoid (THC), cocaine, methadone, opiates, oxycodone/oxymorphone, phencyclidine (PCP), propofol)	80301	PMP10	Urine - 50 ml random urine in sterile specimen container	

38055	Drug Analysis Profile, Pain Management 13 Drug Panel (Includes: Amphetamine, barbiturate, benzodiazepines, cannabinoid (THC), cocaine, fentanyl, meperidine, methadone, opiates, oxycodone/oxymorphone, phencyclidine (PCP), propoxyphene, tramadol)	80302x3, 80301	PMP13	Urine - 50 ml random urine in sterile specimen container	
19228	Drug Confirmation, Amphetamine	80324	DCAMT	Urine - 30 ml random urine in sterile specimen container	
19229	Drug Confirmation, Barbiturate	80345	DCBARB	Urine - 30 ml random urine in sterile specimen container	
19230	Drug Confirmation, Benzodiazepine	G6031, 80346	DCBENZ	Urine - 30 ml random urine in sterile specimen container	
19232	Drug Confirmation, Cocaine	80353	DCCOCA	Urine - 30 ml random urine in sterile specimen container	
19231	Drug Confirmation, Marijuana	80349	DCMAJ	Urine - 30 ml random urine in sterile specimen container	
19227	Drug Confirmation, Opiate	80301	DCOPT	Urine - 30 ml random urine in sterile specimen container	
	Drug Induced Lupus Antibodies			See Histone Antibody	
56546	Drug Screen 13 With Reflex Confirmation (includes amphetamines; barbiturates; benzodiazepines; cocaine metabolite; fentanyl; meperidine; methadone; opiates; oxycodones; phencyclidine (PCP); propoxyphene; tetrahydrocannabinol (THC); tramadol ), Whole Blood	80307	DRG13	Gray-top (sodium fluoride) tube preferred, lavender-top (EDTA) tube, or green-top (heparin) tube - 7 ml. whole blood. Minimum volume - 3 ml. (does not allow for repeat testing).	Refrigerate.
19226	Drug Screen, Abused (Includes: Amphetamine, barbiturate, benzodiazepine, cannabinoid (THC), cocaine, opiate)	G0434, 80301	DSA	Urine - 50 ml random urine in sterile specimen container	
32868	Drug Screen, Abused Without Confirmation (Includes: Amphetamine, barbiturate, benzodiazepine, cannabinoid (THC), cocaine, opiate)	G0434, 80301	DSA1	Urine - 50 ml random urine in sterile specimen container	
9904	Duchenne Muscular Dystrophy, Screen	81479	DMD	Lavender-top (EDTA) tube - 5 to 7 ml. whole blood	Keep at room temperature.
1628	D-Xylose Absorption - (Fasting, One-, Two-, Three-, Four-, and Five-Hour Blood + Five-Hour Urine)	84620	XYLA	Gray Top - 2 mL plasma (each specimen) AND Urine - 10 mL aliquot of 5-hour urine collection in sterile specimen container. Minimum volume - 0.6 ml plasma (each specimen) AND 0.5 ml. aliquot of five-hour urine	Patient must be fasting 8 hours prior to administration to D-Xylose; Pediatric patients must be fasting for at least 4 hours. Patient should refrain from eating foods with pentose and medications 24 hours prior to testing. Patient should drink water both during fasting and testing period. Void initial urine before beginning test. Begin testing in AM. Collect fasting blood specimen. Give patient weight based dosage of D-Xylose (0.5 g/kg body weight up to a maximum of 25g). Collect 5 hour urine sample and record total volume.
1655	D-Xylose Absorption, Blood Only	84620	XYL	Gray Top - 2 mL plasma (each specimen) AND Minimum volume - 0.6 ml plasma (each specimen)	Patient must be fasting 8 hours prior to administration to D-Xylose; Pediatric patients must be fasting for at least 4 hours. Patient should refrain from eating foods with pentose and medications 24 hours prior to testing.
56580	Dysautonomia Evaluation, Autoimmune, Serum, Mayo	86341, 86255, 83519x4, 83520	DYS1	Red-top or serum gel tube - 4 ml. serum. Minimum volume - 2 ml.	If a red-top tube is used, centrifuge, and transfer serum to a plastic transport tube. Refrigerate.
26538	Dystrophin Gene Full Mutation Analysis (Duchenne Muscular Dystrophy Full Sequencing) EBV by PCR	81479	DMDMS	Lavender-top (EDTA) tube - 5 to 10 ml. whole blood	Keep specimen at room temperature.
1641	Echinococcus Antibody	86682	ECHN	Red-top or Serum gel tube - 1 ml. serum, FROZEN. Minimum volume - 0.5 ml.	Transfer serum/plasma to plastic transport vial. FREEZE.
	EGFR Mutation Analysis (Epidermal Growth Factor Receptor)	81235	Co-Path only	Tissue - Paraffin Embedded Tissue, 3 unstained and 1 H&E Blood - 5.0 ml EDTA. Centrifuge and separate plasma from red cells within four(4) hours of collection.	Maintain both tissue or plasma at room temperature.



8670	Ehrlichia Chaffeensis Serology (Human Monocytic Ehrlichiosis (HME), IgG, IgM, IFA)	8666X2	EHRL	Red-Top or Serum gel tube - 1.0 ml serum Minimum volume - 0.5 ml serum	If a red-top tube is used transfer serum/plasma to plastic transport vial. Refrigerate.
61219	Electrolytes (Includes Na, K, CO2, Cl)	80051	CH4	Green-top (lithium heparin) plasma gel tube - 2 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	
1488	Electrolytes, Urine (Includes Na, K, Creat, Cl)	82436, 82570, 84133, 84300	RULS	Urine - 5 ml random urine in sterile specimen container. Pediatric minimum sample - 1.0 ml.	
32445	Embryotoxicity Assay	86849	ETA	Red-top or Serum gel tube - 10 ml. serum	Transfer serum/plasma to plastic transport vial. Maintain specimen at room temperature. Ship at room temperature in prepaid FedEx mailers for overnight delivery.
9930	Emery-Dreifuss MD	81404, 81405, 81406		Lavender-top (EDTA) tube - 4 to 10 ml. whole blood	Refrigerate prior to shipping,
	ENA Antibodies			See Extractable Nuclear Antigen	
56587	Encephalopathy, Autoimmune Evaluation, Serum, Mayo	86341, 86255x12, 83519x5	ENCES	Red-top or serum gel tube - 4 ml. serum. Minimum volume - 2 ml.	If a red-top tube is used, centrifuge, and transfer serum to a plastic transport tube. Refrigerate.
56588	Encephalopathy, Autoimmune Evaluation, Spinal Fluid, Mayo	86341, 86255x12, 83519	ENCESF	CSF - 4 ml. in sterile vial. Minimum volume - 2 ml.	Refrigerate.
38016	Endomysial Antibody (t-Transglutaminase (tTG), IgA)	83516	TGIGA	Red-top or Serum gel tube - 1 ml. serum Minimum volume - 0.5 ml.	If a red-top tube is used, transfer serum to plastic transport vial. Refrigerate.
54623	Enterovirus Amp Prob PCR, Feces, Viracor	87799	ENVF	Stool - small amount of fecal material (size of pea or 2 ml. liquid stool)	Place in screw top tube and FREEZE.
54625	Enterovirus Amp Prob PCR, Nasal, Viracor	87799	ENVNS	Sterile swab placed in 2 mL sterile saline, M4, or viral transport media in a sterile, screw top tube (minimum volume 0.5 mL).	Do not use calcium alginate swab or wood shafted swab.
54624	Enterovirus Amp Prob PCR, NP, Viracor	87799	ENVNP	Sterile swab placed in 2 mL sterile saline, M4, or viral transport media in a sterile, screw top tube (minimum volume 0.5 mL).	Do not use calcium alginate swab or wood shafted swab.
	Enterovirus Antibody			See Polio Virus	
32737	Enterovirus by Real Time PCR, Qualitative, CSF	87498, 83912	ENTPCR	CSF - 2.0 ml . Pediatric minimum - 0.5 ml	FROZEN Specimen should be frozen within two (2) hours of collection.
54618	Enterovirus Quant PCR, BAL, Viracor	87799	ENQBAL	BAL - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
54621	Enterovirus Quant PCR, Bronch Wash, Viracor	87799	ENVBW	Bronch wash - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
54617	Enterovirus Quant PCR, CSF, Viracor	87799	ENVCSF	CSF - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
54620	Enterovirus Quant PCR, Nasal Wash, Viracor	87799	ENVNW	Nasal wash - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
54622	Enterovirus Quant PCR, Plasma, Viracor	87799	ENVP	Lavender-top (EDTA) or yellow ACD tube - 2 ml. plasma, FROZEN. Minimum volume - 0.5 ml.	Centrifuge and transfer 2 ml. of plasma to a sterile, screw-top tube and FREEZE.
54619	Enterovirus Quant PCR, Serum, Viracor	87799	ENVS	Red-top tube - 2 ml. serum, FROZEN. Minimum volume - 0.5 ml.	Centrifuge and transfer 2 ml. of serum to a sterile, screw-top tube and FREEZE.
1060	Eosinophil Count (Body Fluid)	89190	EOSF	Submit 3 ml fluid in sterile specimen container or stoppered syringe. Do not use preservative or additive.	Specify fluid type.
56952	Epilepsy, Autoimmune Evaluation, Spinal Fluid Mayo	83519, 86341, 86255x11	EPIESF	CSF - 4 ml. in sterile screw cap vial. Minimum volume - 2 ml.	Refrigerate.
56973	Epilepsy, Autoimmune Evaluation, Serum, Mayo	83519x5, 86341, 86255x11	EPIES	Red-top or serum gel tube - 4 ml. serum. Minimum volume - 2 ml.	If a red-top tube is used, centrifuge and transfer serum to a plastic transfer tube. Refrigerate specimen. Reject: gross hemolysis, gross lipemia.
	Epinephrine			See Catecholamines	
54593	Epstein Barr Quant PCR, BAL, Viracor	87799	EBVBAL	BAL - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
54592	Epstein Barr Quant PCR, Bone Marrow, Viracor	87799	EBVBM	Lavender-top (EDTA) tube - 2 ml. bone marrow. Minimum volume - 0.2 ml.	Do not centrifuge.

54596	Epstein Barr Quant PCR, Bronch Wash, Viracor	87799	EBVBW	Bronch wash - 2 ml., FROZEN.	Collected in a sterile, screw top tube and FROZEN.
43498	Epstein Barr Quant PCR, CSF, Viracor	87799	EBVCSF	CSF - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
54597	Epstein Barr Quant PCR, Feces, Viracor	87799	EBVF	Stool - small amount of fecal material (size of pea or 2 ml. liquid stool)	Place in screw top tube and FREEZE.
54591	Epstein Barr Quant PCR, Plasma, Viracor	87799	EBVP1	Lavender-top (EDTA) or yellow ACD tube - 2 ml. plasma, FROZEN. Minimum volume - 0.5 ml.	Centrifuge and transfer 2 ml. of plasma to a sterile, screw-top tube and FREEZE.
54594	Epstein Barr Quant PCR, Serum, Viracor	87799	EBVS	Red-top tube - 2 ml. serum, FROZEN. Minimum volume - 0.5 ml.	Centrifuge and transfer 2 ml. of serum to a sterile, screw-top tube and FREEZE.
54595	Epstein Barr Quant PCR, Whole Blood, Viracor	87799	EBVWB	Lavender-top (EDTA) tube - 4 to 5 ml. whole blood.	Do not freeze. Maintain at ambient temperature. Must be received by testing laboratory within 95 hours of collection.
1828	Epstein Barr Titer (Chronic)	86663, 86664	EPBT	Red-top or Serum gel tube - 3.5 ml. serum	Refrigerate.
19297	Epstein Barr Titer, Acute Infection (Includes EBV-EA, IgG; EBV-VCA, IgG; EBV-VCA, IgM; EBNA)	86663, 86664, 8666591X2	EBVA	Red-top or Serum gel tube - 2 ml. serum. Minimum Volume - 1 ml.	Refrigerate.
37329	Epstein Barr Virus, PCR (Viral Load) Quantitative	87799, 83912	EBVPCR	PPT tube - 2 ml whole blood	Centrifuge within 2 hrs of collection. Transport at room temperature.
	Erythrocyte Protoporphorin			See Protoporphyrin	
57012	Erythrocyte Sedimentation Rate (ESR), <b>For Reference Lab Clients Only</b>	85652	SED20	Lavender-top EDTA) tube - 1 ml. whole blood.	Stable at room temperature for 24 hours or refrigerated for 48 hours.
1073	Erythrocyte Sedimentation Rate (ESR), <b>In-House Testing Only</b>	85652	ESR	Lavender-top (EDTA) tube - 3 ml whole blood. Pediatric minimum sample - 2.0 ml in lavender pediatric tube.	This code is for use at Acute Care and HealthPlex locations only.
1893	Erythropoietin	82668	ERYP	Red-top tube or Serum gel tube - 1.0 ml. serum. Minimum volume - 0.5 ml.	If a red-top tube is used, transfer serum to plastic transport vial. Maintain specimen at room temperature.
1364	Estradiol	82670	ESTRA	Serum gel tube - 3 ml serum	
1919	Estradiol, Pediatric	82670	NNESTA	Red-top or serum gel-barrier tube - 1 ml. serum. Minimum volume - 0.3 ml.	If a red-top tube is used, transfer separated serum to a plastic transport tube. Refrigerate. Reject: citrated plasma specimen.
1294	Estriol	82677	EST	Red-top or Serum gel tube - 1 ml. serum. Minimum volume - 0.5 ml.	If a Red-Top tube is used, transfer separated serum to a plastic transport tube. Refrigerate. All specimens should be drawn at the same time of day to allow comparison of values. Reject: Plasma specimen.
1751	Estrogen	82672	ESTR	Red-top, serum gel, or green-top (heparin) tube - 2.8 ml. serum or plasma. Minimum volume - 2.2 ml.	If collection performed in tube other than gel-barrier, transfer serum or plasma to plastic transport vial. Refrigerate. Patient must avoid having radioisotope scan prior to collection of specimen.
29413	Estrone	82679	ESTRON	Red-top, Serum gel tube or lavender-top (EDTA) tube - 1.0 ml. serum or plasma. Minimum volume - 0.5 ml. Nonpregnant	If collection performed in tube other than gel-barrier, transfer serum or plasma to plastic transport vial. Refrigerate. No isotopes administered 24 hours prior to venipuncture. Reject: Lipemia, Gross Hemolysis, Icterus.
1319	Ethanol (Quantitative)	82055	ETOH	Red-top tube - 2 ml serum	Do not prep arm with alcohol. Do not uncup tube; no aliquots accepted.
1592	Ethosuximide (Zarontin)	80168	ZAR	Red-top, lavender-top (EDTA), or green-top (heparin) tube - 1 ml serum or plasma. Minimum volume - 0.6 ml. Do not use a gel-barrier tube.	Transfer separated serum or plasma to a plastic transport tube. Refrigerate. Reject: Serum gel tube.
61915	Ethylene and Propylene Glycol Screen by Gas Chromatography	82693, 84600	GLYCOL	Red-top tube, no gel.	Do not uncup tubes. Do not prep skin with alcohol.
54628	Euglobulin Lysis Time (ELT)	85360	EUGLT	Blue-top (sodium citrate) tube - 2.0 ml. plasma, FROZEN. Minimum volume - 1 ml.	blood should be collected in a blue-top tube containing 3.2% buffered sodium citrate. when noncitrate tubes are collected for other tests, collect sterile and nonadditive (red-top) tubes prior to citrate (blue-top) tubes. Any tube containing an alternate anticoagulant should be collected after the blue-top tube. Gel-barrier tubes and serum tubes with clot initiators should also be collected after the citrate tubes. Centrifuge and carefully remove the plasma using a plastic transfer pipette, being careful not to disturb the cells. Transfer the plasma into a frozen specimen tube with screw cap. Freeze immediately and maintain frozen until tested. To avoid delays in turnaround time when requesting multiple tests on frozen samples, please submit separate frozen specimens for each test requested.
	Extended RAS Panel by NGS		RASNGS	Paraffin Embedded Tissue - Ten (10) unstained slides and one (1) H&E slide maintained at room temperature.	

1875	Extractable Nuclear Antigens (ENA) - includes Anti-Smith & Anti-RNP	8623591X2	AENA		Red-top or Serum gel tube - 1 ml. serum Minimum volume - 0.5 ml.	If a Red-Top tube is used, transfer separated serum to a plastic transport tube. Maintain specimen at room temperature. Reject: Plasma specimen.	
19303	Factor II	85210	FII		Blue-top (sodium citrate) tube - 2.7 ml whole blood.	Deliver to lab ASAP. Test must be performed or plasma separated within 4 hours of collection. Reference Lab Clients - Centrifuge, separate and freeze plasma in plastic sendoff vial. Causes for Rejection: Severe hemolysis; improper labeling; clotted specimen; specimen diluted with I.V. fluids; samples thawed in transit; improper sample type; sample out of stability.	
9973	Factor V Leiden by PCR (Prothrombin Gene Mutation)	81240, 81241	F5LI		Lavender-top (EDTA) tube - 4.0 ml whole blood. Pediatric minimum volume - 2.0 ml	Keep at room temperature. Do not combine with other test codes. Please submit a separate specimen for each genetic test requested.	
1152 - V 1153 - VII 1154 - VIII1160 - IX1358 - X1169 - XI	Factor V, VII, VIII, IX, X, and XI Assays	85220 85230 85240 85250 85260 85270	F5 F9 F11	F7 F10	F8	Blue-top (sodium citrate) tube - 2.7 ml whole blood	Deliver to lab ASAP. Test must be performed or plasma separated within 4 hours of collection. Reference Lab Clients - Centrifuge, separate and freeze plasma in plastic sendoff vial. Freeze in aliquots of 1.0 -1.5 ml plasma in each vial.
1438	Factor VIII Inhibitor (Bethesda)	85335	F8IB		Blue-top (sodium citrate) tubes - 2 tubes	Deliver to lab ASAP. Test must be performed or plasma separated within 4 hours of collection. Reference Lab Clients - Centrifuge, separate and freeze plasma in plastic sendoff vial.	
27364	Factor VIII Multimers (VWF Multimer Assay)	85247	VWFM2		Blue-top (sodium citrate) tube - 2 ml. plasma, FROZEN Minimum volume - 1 ml.	Deliver to lab ASAP. Test must be performed or plasma separated within 4 hours of collection. Reference Lab Clients - Centrifuge, separate and freeze plasma in plastic sendoff vial. Do not draw from an arm with a heparin lock or heparinized catheter.	
1409	Factor VIII Related Antigen (VWF Antigen)	85246	F8RA		Blue-top (sodium citrate) tube - 2 ml. plasma, FROZEN Minimum volume - 1 ml.	Deliver to lab ASAP. Test must be performed or plasma separated within 4 hours of collection. Reference Lab Clients - Centrifuge, separate and freeze plasma in plastic sendoff vial. Avoid warfarin (Coumadin®) therapy for two weeks and heparin therapy for two days prior to the test. Do not draw from an arm with a heparin lock or heparinized catheter.	
1174	Factor XIII	85290	F13		Blue-top (sodium citrate) tube - 2 ml. plasma, FROZEN (1 ml. plasma in each of two tubes).	Deliver to lab ASAP. Test must be performed or plasma separated within 4 hours of collection. Reference Lab Clients - Centrifuge, separate, and transfer plasma to plastic transport tubes (1 ml. in each of two tubes) before freezing.	
	FALS Disease (Familial Amyotrophic Lateral Sclerosis)				See Amyotrophic Lateral Sclerosis (SOD1)		
57673	Familial Dysautonomia, DNA Analysis	81260	FDDNA		Lavender-top (EDTA) tube or yellow-top (ACD) tube - 7 ml. whole blood. Minimum volume - 3 ml.; OR Amniotic fluid - 10 ml. in sterile conical tube. Minimum volume - 5 ml.; OR CVS - 20 mg., in two confluent T flasks for fetal testing; OR LabCorp buccal swab kit.	Maintain specimen at room temperature. Reject: Frozen specimen; hemolysis; quantity not sufficient for analysis; improper container; one buccal swab; wet buccal swab	
32172	Fasciola Antibody IgG	86682	FASC		Red-top or Serum gel tube - 1.0 ml serum	Maintain specimen at room temperature.	
	Fasting Blood Sugar				See Glucose, Fasting, Serum/Plasma		
1059	Fat Stain, Blood	89125	FATB		Lavender-top (EDTA) tube - 3 ml whole blood		
1514	Fecal Fat (Quantitative)	82710	FECAL		Stool - 72 hr collection. Obtain container without preservative from the laboratory.	Refrigerate specimen during collection and store at 2-8°C. Do not fill any container more than 2/3 full.	
48482	Fecal Fat, Qualitative	82705	FFATQL		Stool (random) - 3 g. Minimum volume - 1 g.	Submit in plastic screw-cap vial. Do not contaminate outside of container; do not overfill container. Refrigerate at 2°C to 8°C. Patient should be on a diet containing at least 60 g of fat. The patient should not use suppositories or mineral oil before the specimen is collected. Oily material (eg, creams, lubricants, etc) should be avoided prior to collection of the specimen. Causes for Rejection: Specimen contaminated with urine and/or water; specimen on outside of container; specimen containing interfering substances (eg, castor oil, bismuth, Metamucil®, barium).	
	Fecal Lactoferrin				See Lactoferrin, Fecal		
1630	Felbamate(Felbatol)	82542	FELB		Red-top, lavender-top (EDTA), or green-top (heparin) tube - 2 ml serum or plasma Minimum volume - 0.6 ml. Do not use a gel-barrier tube.	Transfer separated serum or plasma to a plastic transport tube. Refrigerate. Reject: Serum gel tube.	
8616	Ferritin	82728	FERR		Green-top (lithium heparin) plasma gel tube - 3 ml plasma. Pediatric minimum sample - 1.5 ml in (2) brown bullets.		
	Fetal Hemoglobin Stain				See Betke-Kleihauer		
1360	Fibrinogen	85384	FIBR		Blue-top (sodium citrate) tube - 2.7 ml whole blood.	Deliver to lab ASAP. Specimen must be performed or plasma separated within 4 hours of collection. Reference Lab Clients - Centrifuge, separate and freeze plasma in plastic sendoff vial.	
43351	FISH - 5Q Analysis	88271, 88275	FT5Q		Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Green-top (Sodium Heparin) tube - 3 to 5 ml. whole blood.	Keep at room temperature.	
43386	FISH - 7Q Analysis	88271, 88275	FT7Q		Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Green-top (Sodium Heparin) tube - 3 to 5 ml. whole blood.	Keep at room temperature.	

39174	FISH - ALK Panel	88368	ALKF	4 unstained FFPE slides and 1 H & E	
38748	FISH - ALL Panel	88271x9, 88275x4	ALLF	Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Heparin) tube - 3 to 5 ml. whole blood.	Green-top (Sodium) Keep at room temperature.
43389	FISH - AML and MDS Panel	88271, 88275	AMLMD5	Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Heparin) tube - 3 to 5 ml. whole blood.	Green-top (Sodium) Keep at room temperature.
38749	FISH - AML Panel	88271x15, 88275x8	AMLF	Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Heparin) tube - 3 to 5 ml. whole blood.	Green-top (Sodium) Keep at room temperature.
	FISH - BCR/ABL1 FISH, t(9:22) Translocation	88271x2, 88275	BCRABF	Bone Marrow - 2.0 to 5.0 ml collected in heparinized syringe and placed in transport media OR 3.0 to 5.0 ml whole blood in green top (sodium heparin) tube	Lithium heparin not acceptable. Keep at room temperature.
31456	FISH - CLL Panel	88271x6, 88275	CLLF	Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Heparin) tube - 3 to 5 ml. whole blood.	Green-top (Sodium) Lithium Heparin is not acceptable. Keep at room temperature.
2851	FISH - DiGeorge Interphase	88271, 88275	FTIDG	Green-top (Sodium Heparin) tube - 5.0 ml whole blood. Pediatric minimum sample - 2.0 ml.	Lithium Heparin is not acceptable. Keep at room temperature.
2857	FISH - DiGeorge/Velocardial Facial Syndrome - Metaphase Analysis	88271, 88273	FTDG	Green-top (Sodium Heparin) tube - 3 to 5 ml whole blood. Pediatric minimum sample - 1 to 3 ml.	Lithium Heparin is not acceptable. Keep at room temperature.
42008	FISH - ETV6-PDGFRB (Fluor Insitu FISH Oncology B)	88271, 88275	PDGFRB	Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Heparin) tube - 3 to 5 ml. whole blood.	Green-top (Sodium) Lithium Heparin is not acceptable. Keep at room temperature.
43429	FISH - FGFR1	88271, 88275	FGFR1	Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Heparin) tube - 3 to 5 ml. whole blood.	Green-top (Sodium) Keep at room temperature.
42009	FISH - FIP1L1-PDGFRB (Fluor Insitu FISH Oncology)	88271, 88275	PDGFRA	Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Heparin) tube - 3 to 5 ml. whole blood.	Green-top (Sodium) Lithium Heparin is not acceptable. Keep at room temperature.
42781	FISH - Genetics (Parental FISH Confirmation for aCGH)	88271x2, 88272	GENF	Green-top (Sodium Heparin) tube - 3 to 5 ml whole blood.	Lithium Heparin is not acceptable. Keep at room temperature.
33443	FISH - Greig Syndrome	88230, 88271, 88273	GREIG	Green-top (Sodium Heparin) tube - 5.0 ml whole blood.	Lithium Heparin is not acceptable. Keep at room temperature.
35162	FISH - Her-2/Neu Gene Amplification	88368x2	FTH2N	Submit formalin fixed , paraffin embedded tissue sections.	
43350	FISH - IGH CCND1 Analysis	88271, 88275	CCND1	Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Heparin) tube - 3 to 5 ml. whole blood.	Green-top (Sodium) Lithium Heparin is not acceptable. Keep at room temperature.
28196	FISH - Inversion 16 Analysis (M4 AML FISH)	88271, 88275	FTI16	Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Heparin) tube - 3 to 5 ml. whole blood.	Green-top (Sodium) Lithium Heparin is not acceptable. Keep at room temperature.
33319	FISH - Lymphoma	88271x8, 88275	FTLYM	Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Heparin) tube - 3 to 5 ml. whole blood.	Green-top (Sodium) Lithium Heparin is not acceptable. Keep at room temperature.
38746	FISH - MDS Panel	88271x7, 88275x4	MDSF	Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Heparin) tube - 3 to 5 ml. whole blood.	Green-top (Sodium) Lithium Heparin is not acceptable. Keep at room temperature.
2860	FISH - Miller Dieker Syndrome	88271, 88273	FTMD	Green-top (Sodium Heparin) tube - 3 to 5 ml whole blood. Pediatric minimum sample - 1 to 3 ml.	Lithium Heparin is not acceptable. Keep at room temperature.
37166	FISH - MLLF (11q23)	88271, 88275	MLLF	Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Heparin) tube - 3 to 5 ml. whole blood.	Green-top (Sodium) Lithium Heparin is not acceptable. Keep at room temperature.

31766	FISH - Multiple Myeloma Panel	88271x5, 88275	MMF	Bone Marrow - 2 to 5mL collected in heparinized syringe and placed in a lavender EDTA	Lithium heparin is not acceptable. Keep at room temperature.
2852	FISH - Neoplastic BCR/ABL Gene Rearrangement	88271x2, 88275	FTNBA	Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Green-top (Sodium Heparin) tube - 3 to 5 ml. whole blood.	Lithium Heparin is not acceptable. Keep at room temperature.
42788	FISH - Oligodendroglioma 1p/19q	88368x4	GLIOMA	Submit formalin fixed , paraffin embedded tissue sections.	Lithium Heparin is not acceptable. Keep at room temperature.
28194	FISH - PML/RARA Gene Rearrangement (T15;17)	88271x2, 88275	FT1517	Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Green-top (Sodium Heparin) tube - 3 to 5 ml. whole blood.	Lithium Heparin is not acceptable. Keep at room temperature.
56589	FISH - PMP22 , Peripheral Neuropathy, FISH	88271x2	PMP22	Green-top (sodium heparin) tube - 6 ml. whole blood. Minimum volume - 3 ml.	Invert several times to mix blood. Other anticoagulants are not recommended and are harmful to the viability of the cells. <b>Specimen cannot be frozen.</b>
2858	FISH - Prader Willi/Angelman Syndrome	88271x2, 88273	FTPW	Green-top (Sodium Heparin) tube - 3 to 5 ml whole blood. Pediatric minimum sample - 1 to 3 ml.	Lithium Heparin is not acceptable. Keep at room temperature.
	FISH - ROS1 Lung Cancer FISH	88368	ROS1	Four(4) unstained FFPE (Formalin Fixed Paraffin Embedded) slides and one (1) H & E slide	Room temperature
32448	FISH - Rubinstein Taybi Syndrome	88230, 88271, 88273, 88291	FTRUBT	Green-top (Sodium Heparin) tube - 3 to 5 ml whole blood. Pediatric minimum sample - 1 to 3 ml.	Lithium Heparin is not acceptable. Keep at room temperature.
2859	FISH - Smith Magenis Syndrome	88271, 88273	FTSM	Green-top (Sodium Heparin) tube - 3 to 5 ml whole blood. Pediatric minimum sample - 1 to 3 ml.	Lithium Heparin is not acceptable. Keep at room temperature.
33368	FISH - Steroid Sulfatase Deficiency	88230, 88273, 88271, 88291	FTSTS	Green-top (Sodium Heparin) tube - 3 to 5 ml whole blood. Pediatric minimum sample - 1 to 3 ml.	Lithium Heparin is not acceptable. Keep at room temperature.
40774	FISH - Translocation 8:21	88271, 88275	FT821	Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Green-top (Sodium Heparin) tube - 3 to 5 ml. whole blood.	Lithium Heparin is not acceptable. Keep at room temperature.
32870	FISH - Trichorhinophalangeal	88230, 88271, 88273, 88291	FTTCP	Green-top (Sodium Heparin) tube - 3 to 5 ml whole blood. Pediatric minimum sample - 1 to 3 ml.	Lithium Heparin is not acceptable. Keep at room temperature.
28192	FISH - Trisomy 12 Analysis	88271, 88275	FT13	Green-top (Sodium Heparin) tube - 3 to 5 ml whole blood. Pediatric minimum sample - 1 to 3 ml.	Lithium Heparin is not acceptable. Keep at room temperature.
28191	FISH - Trisomy 18 Analysis	88271, 88275	FT18	Green-top (Sodium Heparin) tube - 3 to 5 ml whole blood. Pediatric minimum sample - 1 to 3 ml.	Lithium Heparin is not acceptable. Keep at room temperature.
28190	FISH - Trisomy 21 Analysis	88271, 88275	FT21	Green-top (Sodium Heparin) tube - 3 to 5 ml whole blood. Pediatric minimum sample - 1 to 3 ml.	Lithium Heparin is not acceptable. Keep at room temperature.
33138	FISH - WAGR Panel	88230, 88271, 88273, 88291, 88280	WAGRF	Green-top (Sodium Heparin) tube - 3 to 5 ml whole blood. Pediatric minimum sample - 1 to 3 ml.	Lithium Heparin is not acceptable. Keep at room temperature.
2856	FISH - Williams Syndrome	88271, 88273	FTWS	Green-top (Sodium Heparin) tube - 3 to 5 ml whole blood. Pediatric minimum sample - 1 to 3 ml.	Lithium Heparin is not acceptable. Keep at room temperature.
28193	FISH - XY Analysis	88271, 88275	FTXY	Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Green-top (Sodium Heparin) tube - 3 to 5 ml. whole blood.	Lithium Heparin is not acceptable. Keep at room temperature.
31606	FISH - TEL AML1 t(12:21)	88271, 88275	FTTA1	Bone Marrow - 2 to 5 ml. collected in heparinized syringe and placed in transport media OR Green-top (Sodium Heparin) tube - 3 to 5 ml. whole blood.	Lithium Heparin is not acceptable. Keep at room temperature.
	FK506T			See Prograf	
29300	Flecainide	82542	FLEC	Red-top, lavender-top (EDTA), or green-top (heparin) tube - 3 ml serum Minimum volume - 1.1 ml. <b>Do not use a gel-barrier tube.</b>	Draw immediately prior to next dose unless otherwise instructed. Transfer separated serum or plasma to a plastic transport tube. Refrigerate. Reject: Serum gel tube.
35661	Flow Cytometry Crossmatch	86825	FLOWXM	4 lithium heparin green 6.0mL tops (Living Related Donor Crossmatch) 10-15 lithium heparin green 6.0mL tops, lymph nodes or spleen.(Cadaveric Crossmatch)	

40757	Flow for Acute Leukemia	88184, 88185x22	FLOLEU	Lavendar-top (EDTA) tube AND green (heparin) tube - 5 ml. whole blood in each OR Bone Marrow - minimum 1 ml. bone marrow aspirate OR CSF or Body Fluid - minimum 1 ml. in sterile container OR Lymph Node Biopsy - minimum 1 ccm.	Maintain specimen at room temperature.
40754	Flow for ALPS		FLOALP	Lavender-top (EDTA) or green-top (heparin) tube - 5 ml. whole blood	
40755	Flow for Chronic Lymphocytic Leukemia		FLOCLL	Lavendar-top (EDTA) tube AND green (heparin) tube - 5 ml. whole blood in each OR Bone Marrow - minimum 1 ml. bone marrow aspirate OR CSF or Body Fluid - minimum 1 ml. in sterile container OR Lymph Node Biopsy - minimum 1 ccm.	
40756	Flow for CML		FLOCML	Lavendar-top (EDTA) tube AND green (heparin) tube - 5 ml. whole blood in each OR Bone Marrow - minimum 1 ml. bone marrow aspirate OR CSF or Body Fluid - minimum 1 ml. in sterile container OR Lymph Node Biopsy - minimum 1 ccm.	Maintain specimen at room temperature.
40758	Flow for Lymphoma	88184, 88185x23	FLOLYM	Lavendar-top (EDTA) tube AND green (heparin) tube - 5 ml. whole blood in each OR Bone Marrow - minimum 1 ml. bone marrow aspirate OR CSF or Body Fluid - minimum 1 ml. in sterile container OR Lymph Node Biopsy - minimum 1 ccm.	Maintain specimen at room temperature.
40753	Flow for MDS		FLOMDS	Lavendar-top (EDTA) tube AND green (heparin) tube - 5 ml. whole blood in each OR Bone Marrow - minimum 1 ml. bone marrow aspirate OR CSF or Body Fluid - minimum 1 ml. in sterile container OR Lymph Node Biopsy - minimum 1 ccm.	Maintain specimen at room temperature.
40759	Flow for PNH	88184, 88185x2	FLOPNH	Lavender-top (EDTA) tubes - 2 tubes, 5 ml. whole blood in each	Maintain specimen at room temperature.
	Fluorescent Treponemal Antibody (FTA)			See MHATP	
1888	Fluoxetine (Prozac)	82542	PROZP	Red-top, lavender-top (EDTA), or green-top (heparin) tube - 2 ml serum Minimum volume - 0.6 ml. <b>Do not use a gel-barrier tube.</b>	Transfer separated serum or plasma to a plastic transport tube. Refrigerate. Reject: Serum gel tube.
27279	Fluphenazine (Prolixin)	84022	FLUP	Red-top, lavender-top (EDTA), or green-top (heparin) tube - 2 ml serum Minimum volume - 1.0 ml. <b>Do not use a gel-barrier tube.</b>	Transfer serum or plasma to plastic transport tube within 45 minutes of blood collection. Refrigerate. Reject: Serum gel tube.
8610	Folate (Folic Acid)	82746	FOL	Green-top (lithium heparin) plasma gel tube - 2 ml plasma.	Reject: Hemolysis
	Folic Acid			See Folate	
	Follicle Stimulating Hormone			See FSH	
9975	Fragile X DNA Analysis	81243	FRAGX1	Lavender-top (EDTA) tube - 5ml whole blood.	Keep at room temperature. Do not combine with other test codes. Please submit a separate specimen for each genetic test requested.
57016	Francisella Tularensis	86668x2	TUL1	Red Top or serum gel tube - 1 ml serum.	If a red-top tube is used, centrifuge and transfer serum to a plastic transport tube. Refrigerate.
	Free Hemoglobin			See Hemoglobin, Plasma	
56990	Frontotemporal Dementia (FTD) Evaluation	81406x2, 81479	FTD	Lavender top (EDTA) tubes - 8 ml. whole blood. Minimum volume - 6 ml.	Requires an Athena Requisition and signed consent form.
1926	Fructosamine	82985	FRUC	Serum gel tube, lavender-top (EDTA), or green-top (heparin) tube - 1 ml serum (preferred) or plasma Minimum volume - 0.5 ml.	Separate serum or plasma from cells within 45 minutes of collection. Maintain specimen at room temperature. Reject: Hemolysis, Icterus.
8645	FSH (Follicle Stimulating Hormone)	83001	FSH	Serum gel tube - 2 ml serum. Pediatric minimum sample -1.5 mL.	
22606	FSH (Follicle Stimulating Hormone), PEDIATRIC	83001	LLFSH	Red-top or serum gel tube - 2 ml. serum. Minimum volume - 0.5 ml.	Order on patients less than 18 years of age. If a red-top tube is used, transfer separated serum to a plastic transport tube. Avoid hemolysis.
	FTA (Fluorescent Treponemal Antibody)			See MHATP	
19294	Fungal Antibodies, Quantitative (DID)	86606x3, 86612, 86635, 86698	FUNQT	Red-top or serum gel tube - 2 ml. serum. Minimum volume - 1 ml. serum.	Refrigerate. If a red-top tube is used, centrifuge, and transfer serum to a plastic transport tube. Reject: Hemolysis, lipemia, gross bacterial contamination.
54581	Fungitell $\beta$ -D Glucan Assay, BAL, Viracor	87449	FGTBAL	BAL - 1 to 3 mL, FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
54582	Fungitell $\beta$ -D Glucan Assay, Bronch Wash, Viracor	87449	FGTLBW	Bronch wash - 1 to 3 mL, FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.

54580	Fungitell $\beta$ -D Glucan Assay, CSF, Viracor	87449	FGTLSF	CSF - 2 mL, FROZEN. Minimum volume - 0.5 mL.	Collected in a sterile, screw top tube and FROZEN.
43573	Fungitell $\beta$ -D Glucan Assay, Serum, Viracor	87449	FGTLS	Serum gel tube - 1 mL serum, FROZEN.	Centrifuge specimen within 2 hours of draw and transfer serum to screw-top transport tube. FREEZE.
39118	Fungitell $\beta$ -D Glucan Titer Viracor	87449	FNGTLT	Serum gel tube - 1 mL serum, FROZEN. Minimum volume - 0.5 mL for adults, 0.2 mL for pediatrics.	Centrifuge specimen within 2 hours of draw and transfer serum to screw-top transport tube. FREEZE. <b>This is a manual add on for Fungitell results greater than 500 pg/ml only.</b>
38850	Fungus Antibody Panel (Includes Aspergillus, Blastomyces, Histoplasma) by Complement Fixation	86606, 86612, 86635, 8669891x2	FUNP	Red-top or Serum gel tube - 1 mL serum	Serum should be separated from cells within 2 hours of venipuncture. Transfer serum in a plastic transport tube. Refrigerate.
55445	G6PD1	82955, 85018	G6PD1	Two lavender-top (EDTA) tubes or one green-top (heparin) tube and one lavender-top (EDTA) tube or one yellow-top (ACD) tube and one lavender-top (EDTA) tube - 8 mL whole blood, 4 mL in each tube. <b>Minimum Volume:</b> Hgb: Two 500- $\mu$ L lavender-top Microtainer™ tubes filled to at least 50% of tube capacity. (Note: If any other size lavender tube is used, the tube must be filled to at least 50% capacity of tube fill volume. Insufficient volume may limit the extent of procedures performed.) and G6PD: One lavender-top (EDTA) tube, green-top (heparin) tube, or yellow-top (ACD) tube (0.1 mL) whole blood.	Refrigerate. Reject: Hemoglobin; Hemolysis; tube not filled with minimum fill volume; specimen drawn in any anticoagulant other than EDTA; specimens diluted or contaminated with IV fluid; clotted specimen; improper labeling; transfer tubes with whole blood; lavender-top (EDTA) tubes received with plasma removed; samples more than 72 hours old. G6PD: Frozen specimen.
16213	Gabapentin (Neurontin)	80171	NEUR	Red-top, lavender-top (EDTA), or green-top (heparin) tube - 1 mL serum Minimum volume - 0.6 mL. <b>Do not use a gel-barrier tube.</b>	Transfer separated serum or plasma to a plastic transport tube. Maintain specimen at room temperature. Reject: Gel-barrier tube.
19299	Gabitril (Tiagabine)	80199	GABI	Red-top or green-top (heparin) tube - 3.0 mL serum or plasma. Minimum volume - 0.6 mL.	Serum or plasma should be separated from cells within two hours of venipuncture. Submit serum or plasma in a plastic transport tube. Maintain specimen at room temperature. Room temperature is adequate for shipping and/or short-term storage (three days); specimens may also be refrigerated or frozen.
17678	GAD 65 Autoantibody	83519	GAD	Red-top or Serum gel tube - 1.0 mL serum Minimum volume - 0.5 mL.	Transfer separated serum to a plastic transport tube. Refrigerate if analysis will occur within seven days; otherwise, store frozen at -20°C. Reject: Specimen other than serum; recently administered radioisotopes; lipemic or grossly hemolyzed specimen.
55673	Galactose-alpha-1,3-galactose (Alpha-Gal) IgE, Viracor	86003	ALPHAG	Serum gel tube (SST) - 1 mL serum.	Refrigerate
9614	Gamma Hydroxybutyric Acid, Serum	80101	GHBS	Red-top or green-top (heparin) tube - 5.0 mL serum or plasma. Minimum volume - 1.2 mL. <b>Gel-barrier tubes are not recommended.</b>	Serum or plasma should be separated from cells within two hours of venipuncture. Submit serum or plasma in a plastic transport tube. Maintain specimen at room temperature. Room temperature is adequate for shipping and/or short-term storage (three days).
9617	Gamma Hydroxybutyric Acid, Urine	80101	GHBU	Urine - 10 mL aliquot of random urine with no preservative in sterile specimen container.	Maintain specimen at room temperature. Room temp. is adequate for up to 3 days. Specimen may also be refrigerated or frozen.
38380	Ganciclovir Resistant CMV	87910	GRCMV	Lavender Top - 3.0 mL	The whole blood that is sent needs to be positive for CMV. Centrifuge tube within 24 hours of collection & aliquot plasma. Freeze @ -20°C
19309	Ganglioside Autoantibody Evaluation (AsialoGM1 AB, Elisa)	83516x6	GM1A	Red-top or Serum gel tube - 1 mL serum	Serum or plasma should be separated from cells within two hours of venipuncture. Submit serum or plasma in a plastic transport tube. Refrigerate.
1953	Ganglioside Monosialic Acid Antibody (GM1 AB, )	83516x2	GMABS	Red-top or Serum gel tube - 1 mL serum	Serum or plasma should be separated from cells within two hours of venipuncture. Submit serum or plasma in a plastic transport tube. Refrigerate.
8599	Gastrin	82941	NGAST	Serum gel tube - 1.0 mL serum	Patient must be fasting 12-14 hours. Reference Lab Clients - Centrifuge, separate and freeze serum in plastic sendoff vial. Reject: Specimens not frozen, gross hemolysis, plasma, patient not fasting, gross lipemia
33441	Gaucher Affected Panel	82164, 82657x2	GAPN	Serum gel tube or red top - 3.0 mL serum	Deliver to lab ASAP. Reference Lab Clients - Centrifuge, separate and freeze serum in plastic sendoff vial. Collection Guidelines:
39795	Gentamicin	80170	EERGEN	Serum gel tube - 1 mL blood, Pediatric minimum sample - 0.7 mL in brown bullet	Q 8 hr. dosing: Trough should be drawn 6 hours or more after the end of the last infusion. Peak should be drawn 15-30 minutes after the end of the last infusion. Q 12 hr. dosing: Trough should be drawn 8 hours or more after the end of the last infusion. Peak should be drawn 15-30 minutes after the end of the last infusion.
1029	GGT	82977		Green-top (lithium heparin) plasma gel tube - 2 mL plasma. Pediatric minimum sample - 0.7 mL in brown bullet.	
43490	GI Pathogen Panel, 12-25 Targets Viracor	87507	GIPP	See Gamma Hydroxybutyric Acid Stool - small amount of fecal material (size of pea or 2 mL liquid stool)	Place in screw top tube and FREEZE.

31764	Giardia Lambdia IgG, IgM, IgA Antibodies	86674x3	GIARD	Red Top - 2 ml serum	
1033	Glomerular Basement Membrane Antibody	83516	ABM	Serum gel tube - 1 ml serum. Minimum vol - 0.5 ml serum	
3438	Glucagon	82943	GLUCA	Using a Trasylol kit, collect blood in chilled 6 ml. EDTA tube taken from kit. Add 0.25 ml Trasylol and mix. Centrifuge, and immediately transfer plasma into one of the brown screw-top transfer tubes provided in the kit and FREEZE. Note on tube that Trasylol has been added and initial.  Reject: Hemolysis, recently administered isotopes, specimen not received frozen, sample not treated with Trasylol, sample not submitted in tube with Trasylol label, lipemia, sodium citrate or heparinized plasma.	
38509	Glucose Tolerance, 2 hr 75g dose Non-pregnant	82947, 82950	GGT2NG	Refer to Special Collection Procedures	
38848	Glucose Tolerance, 2 hr Pediatric	82947, 82950	2GTTP	Refer to Special Collection Procedures	
38508	Glucose Tolerance, 3 hr 100g dose	82951, 82952	GGT3G	Refer to Special Collection Procedures	
1219	Glucose, 24 Hr Urine	81050, 82945	GL24	Obtain jug for 24 hr collection. Requires container with no preservative. Submit 1.0 ml CSF in sterile specimen container.	
1222	Glucose, CSF	82945			
1584	Glucose, Fasting, Serum/Plasma	82947	FBS	Green-top (lithium heparin) plasma gel tube - 2 ml plasma. Pediatric minimum sample - 0.5 ml in brown bullet.	Patient should be fasting for 8 - 12 hours.
1446	Glucose, Serum/Plasma	82947	GLUC	Green-top (lithium heparin) plasma gel tube - 2 ml plasma. Pediatric minimum sample - 0.5 ml in brown bullet.	
1928	Glucose, Urine	82945	GLUCU	Urine - 2 ml random urine in specimen container	
	Glutamic Acid Decarboxylase Autoantibody			See GAD 65 Autoantibody	
56972	Glutamic Acid Decarboxylase (GAD65) Antibody Assay, Serum, Mayo	86341	GAD652	Red-top or serum gel tube - 1 ml. serum. Minimum volume - 0.75 ml.	If a red-top tube is used, centrifuge and transfer serum to a plastic transport tube. Refrigerate specimen.
56971	Glutamic Acid Decarboxylase (GAD65) Antibody Assay, Spinal Fluid, Mayo	86341	GAD651	CSF - 1 ml., in sterile vial. Minimum volume - 0.75 ml.	Refrigerate.
33207	Glycogen Storage 1A Carrier	81250	GS1A	Lavender top or yellow top ACD sol A - 4.0 ml whole blood	Must kept at room temperature. Do not freeze. Reject : Frozen specimens, hemolysis
8206	Glycohemoglobin, Total	83036	GLYT	Lavender Top - 4 ml whole blood. Pediatric minimum - 0.5 in lavender bullet	Room temperature
	Glycosated Hemoglobin			See Glycohemoglobin, Total	
1953	GM1 Antibodies			See Ganglioside Monosialic Acid Antibody	
	Good Pasture Syndrome			See Glomerular Basement Membrane Antibody	
32185	Gorlin Syndrome	83891, 83898x23, 83904x23	GORL	Two (2) Lavender Tops - 6.0 ml whole blood	Keep at room temperature.
1156	Gram Stain	87205	GRAM	This test code is only used to order Gram Stain for BV on female genital cultures. All other applicable cultures include Gram stain.	Submit to the lab within 48 hours of collection
38751	Growth Hormone Stimulation Test	83003	GHST	Serum gel tube - 1 ml serum. Red Top also acceptable. Minimum vol - 0.3 ml	Reject: Hemolysis, Lipemia, Plasma
32741	Guanidinoacetate Creatine	82570, 82543, 82540	GAC	Urine - 5.0 ml random urine in sterile specimen container with no preservative	Ref Lab Clients - Freeze urine in plastic sendoff vial. Due to specimen constraints, you can only collect specimens Monday - Friday
	H & H			See Hemoglobin & Hematocrit	
23360	H. Pylori Antigen, Stool	87338	HPYST1	Stool - Submit random specimen in sterile specimen container. Requires 2.0 g of stool (size of thumbnail) or 2.0 ml liquid stool	Transport to lab within 24 hours. Specimen must be refrigerated.
8655	H. Pylori IgG Antibody, Blood	86677	HPYAB	Red Top or Serum gel tube - 1 ml serum	Reject: Lipemic or Hemolyzed Specimens



54650	H. Pylori Urea Breath Test, Adult	83013	HPBTA	One pre- and one post-ingestion breath sample from adults only - one blue sample bag labeled "baseline" and one "postdose" (pink or gray) sample bag	<p>Collection</p> <p><b>Blue sample bag (baseline) must be collected as follows:</b></p> <ul style="list-style-type: none"> <li>Remove the blue breath collection bag from the kit.</li> <li>Remove the pulloff cap from mouthpiece of the breath collection bag.</li> <li>Instruct the patient to breathe normally, then take a deep breath, pause holding their breath for a full second (counting one, one thousand) then exhale into the mouthpiece of the bag.</li> <li>Replace the cap in the mouth piece of the bag.</li> </ul> <p><b>Prepare the fruit-flavored powder solution, containing 13C-urea diagnostic component as detailed in the kit instructions</b></p> <p><b>Postdose sample bag (pink or gray) is collected as follows:</b></p> <ul style="list-style-type: none"> <li>Instruct the patient to drink all the solution without "rinsing" mouth before swallowing.</li> <li>Have the patient sit quietly for 15 minutes. Set timer for 15 minutes.</li> <li>After 15 minutes, collect the pink or gray sample bag as outlined for the baseline specimen above.</li> </ul> <p><b>Patient Preparation</b> The patient should fast for at least one hour prior to testing. The patient should not take antimicrobials, proton pump inhibitors, or bismuth preparations within two weeks prior to testing. Note: Solution contains phenylalanine. Phenylketonurics should be warned.</p>
55630	H. Pylori Urea Breath Test, Pediatric	83013	HPBTP	Breath samples pre- and post-ingestion of Pranactin® - one blue sample bag labeled "pre" and one pink bag labeled "postdose".	<p>Collection</p> <p><b>Blue sample bag (baseline) must be collected as follows:</b></p> <ul style="list-style-type: none"> <li>Remove the blue breath collection bag from the trifold wallet.</li> <li>Remove the pulloff cap from mouthpiece of the breath collection bag.</li> <li>Instruct the patient to breathe normally, then take a deep breath, pause holding the breath for a full second (counting one, one thousand) then exhale into the mouthpiece of the bag.</li> <li>Replace the cap on the mouthpiece of the bag.</li> </ul> <p><b>Prepare the Pranactin®-Citric solution as follows (Solution must be administered within 60 minutes of preparation.):</b></p> <ul style="list-style-type: none"> <li>Cut top off packet and dispense contents into drinking cup.</li> <li>Add drinking water to fill line of cup.</li> <li>Cover cup and swirl for two minutes. If not completely dissolved, the solution should not be used.</li> </ul> <p><b>Pink sample bag must be collected as follows:</b></p> <ul style="list-style-type: none"> <li>Instruct patient to drink all the solution without "rinsing" mouth before swallowing.</li> <li>Have patient sit quietly for 15 minutes. Set timer for 15 minutes.</li> <li>After 15 minutes, collect the pink sample bag as outlined for the baseline specimen above. Maintain specimens at room temperature.</li> </ul> <p><b>Patient Preparation</b> The patient should fast for at least one hour prior to testing. The patient should not take antimicrobials, proton pump inhibitors, or bismuth preparations within two weeks prior to testing. Note: Solution contains phenylalanine. Phenylketonurics should be warned. <b>Please write the following information on the specimens (information is needed to interpret the test results): age, gender, weight, and height.</b></p>
31593	<i>Haemophilus Influenza B</i> IgG Antibody	86684	HIBG	Serum gel tube or red top - 1.0 ml serum	Refrigerate serum
	Haldol			See Haloperidol	
1895	Haloperidol (Haldol)	80173	HALO	Red Top - 4.0 ml serum. Lavender or green tube also acceptable.	Reject: Serum gel tube
1448	Haptoglobin	83010	HAPT	Serum gel tube - 2.0 ml serum.	Reference Lab Clients - Centrifuge, separate and refrigerate serum in plastic sendoff vial.
	HBV Superquant			See Hepatitis B Quantasure PCR	
	HBV Viral Load by PCR, Quantitative			See Hepatitis B Viral Load by PCR, Quantitative	
	HCG (Human Chorionic Gonadotropin)			See Beta HCG	
	HCV Drug Resistance			See Hepatitis C Virus HCV GenoSure(R) NS3/4A	
	HCV Subtype			See Hepatitis C Genotype	
22633	HDL Cholesterol (High Density Lipoprotein)	83718	HDL	Green-top (lithium heparin) plasma gel tube - 2 ml plasma.	
1878	Heavy Metals Screen, Blood	82175, 83655, 83825	HMSBL	Royal Blue Top (Metal Free tube with EDTA Additive) - 3.0 ml whole blood. Minimum volume - 1.1 ml. whole blood.	Submit whole blood in original tube. Tube can be stored at room temperature or refrigerated for up to 14 days. Patient should abstain from seafood and wine for 72 hours prior to collection. Reject: Clotted specimens
1619	Heavy Metals Screen, Urine	82175, 82570, 83655, 83825	HMUR2	Random urine or jug for 24 hr collection; Requires container with no preservative.	Patient should abstain from seafood and wine for 72 hours prior to collection.
	<i>Helicobacter Pylori</i>			See <i>H. Pylori</i>	
	Hematocrit			See Hemoglobin & Hematocrit	
43334	Hemochromatosis	81256	HEMOC1	Lavender Top - 4.0 ml whole blood. Yellow top ACD tube also acceptable Lavender Top - 3.0 ml whole blood.	Keep at room temperature. Do not combine with other test codes. Please submit a separate specimen for each genetic test requested.
2476	Hemoglobin & Hematocrit (H&H)	85018	HNH	Pediatric minimum sample required is 0.5 ml in Lavender microtainer tube.	

40997	Hemoglobin A1C, <b>Acute Care In-House Testing</b>	83036	EEHA1C	Lavender Top - 3.0 ml whole blood	
58565	Hemoglobin A1C, <b>For Reference Lab Clients ONLY</b>	83036	A1CHGB	Lavender-top (EDTA) tube - 3 ml. whole blood	Refrigerate.
58572	Hemoglobin A2, Quantitative	83020	HBA2Q	Lavender Top - 3.0 ml whole blood. Pediatric minimum volume - 0.5 ml in Lavender microtainer tube.	
58569	Hemoglobin F, Quantitative	83020	HBFQ	Lavender Top - 3.0 ml whole blood. Pediatric minimum volume - 0.5 ml in Lavender microtainer tube.	
58568	Hemoglobin Fractionation, Quantitative	83020	FHGBS	Lavender Top - 3.0 ml whole blood. Pediatric minimum volume - 0.5 ml in Lavender microtainer tube.	
58567	Hemoglobin S, Quantitative	83020	HGBSQ	Lavender Top - 3.0 ml whole blood. Pediatric minimum volume - 0.5 ml in Lavender microtainer tube.	
1654	Hemoglobin, Plasma	83051	PLSHG	Green-top (lithium heparin) tube - 1.0 ml plasma	Reject :Hemolysis, Lipemia, Gross Icterus . Patient must be relaxed during collection and should not exercise just prior to collection. Reference Lab Clients: Centrifuge, separate and refrigerate plasma in plastic sendoff vial.
1432	Hemoglobin, Urine	81003	UHGB	Urine - 2.0 ml random urine in sterile specimen container	
1440	Hemosiderin, Urine	83070	UHSD	Submit 10.0 ml random urine in sterile specimen container.	Reference Lab Clients - Refrigerate urine specimen.
55677	Heparin Anti -Xa Assay	85520	ANTIXA	Blue-top (sodium citrate) tube - 2.7 ml whole blood	Collect one full blue top (3.2% sodium citrate) tube. In house locations should send immediately to the laboratory. Reference Lab Clients/Laboratory: Centrifuge and remove plasma within one hour of collection. Double spin plasma and freeze in plastic transport tubes in one ml. aliquots. Sample must remain frozen for transport and delivery to testing department.
19283	Heparin Cofactor II	85130	HEP2	Blue-top (sodium citrate) tube - 2.0 ml plasma	Inpatients - Deliver to lab ASAP. Testing must be performed or plasma separated within 4 hrs of collection. Reference Lab Clients - Centrifuge, separate and freeze plasma in plastic sendoff vial.
1097	Hepatic Function Panel (Includes Alb, Tbili,Dbili, Alk Phos. ALT. AST)	80076	LIVR	Green-top (lithium heparin) plasma gel tube - 2.0 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	
1658	Hepatitis A Antibody, IgM	86709	HAVM	Serum gel tube or red top - 2.0 ml serum. Lavender or green top also acceptable	
41448	Hepatitis A Profile (Anti - HAV) - includes Hepatitis A, Total and IgM Hepatitis A,B,C Panel Acute - Includes Hepatitis B Surface	86709, 86708	HEPAP	Serum gel tube - 0.7 ml serum. Pediatric minimum sample - 2.0 ml serum.	If gel tube is not used, centrifuge, separate serum or plasma and put in plastic sendoff vial.
1705	Antigen, Hepatitis B Core IgM, Hepatitis A IgM, Hepatitis C Antibody	80074	HEPABC	Serum gel tube or red top - 3.0 ml serum	
8696	Hepatitis B Core Antibody, Total	86704	HBCT	Serum gel tube -2.0 ml serum. Red top also acceptable	
8697	Hepatitis B Panel - Includes Hepatitis B Surface Antigen, Hepatitis B Surface Antibody, Hepatitis B Core Antibody IgM, Hepatitis B Core Total Antibody	87340, 86704, 86706	HEPBP	Serum gel tube - 3.0 ml serum. Red top also acceptable	
41447	Hepatitis B Profile III - Includes Hepatitis B Surface Antigen, Hepatitis Be Antigen, Hepatitis Be Antibody	87340, 86707, 87350	HBEPRO	Serum gel tube - 3.0 ml serum. Minimum vol 2.0 ml. Red top and lavender also acceptable.	If gel tube is not used, centrifuge, separate serum or plasma and put in plastic sendoff vial.
8623	Hepatitis B Surface Antibody	86706	HSAB	Serum gel tube - 3.0 ml serum. Red top also acceptable	
19285	Hepatitis B Surface Antibody, Qualitative	86706	HBEP	Serum gel tube - 2 ml serum. Red or lavender top tube also acceptable.	For transplant patients
43474	Hepatitis B Surface Antibody, Quantitative	86317	HBSABQ	Red-top tube, gel-barrier tube, or lavender-top (EDTA) tube - 1 ml. serum or plasma. Minimum volume - 0.5 ml.	If tube other than a gel-barrier tube is used, transfer separated serum or plasma to a plastic transport tube. Causes for Rejection: Non-EDTA plasma, PST gel-barrier tube.
8600	Hepatitis B Surface Antigen	87340	HSAG	Serum gel tube -2.0 ml serum. Red top also acceptable	
34727	Hepatitis B Viral Load by PCR, Quantitative	87517	HBVPCR	Pearl top PPT tube - 4.0 ml whole blood	Reference Lab Clients: Centrifuge and freeze within 2 hours of collection.
1121	Hepatitis C Antibody	86803	HEPC	Serum gel tube - 3.0 ml serum. Red top also acceptable	

55678	Hepatitis C Antibody Screen, High Risk Medicare (Medicare Screening Only)	G0472	HPCHR	Red-top or serum gel tube - 1 ml. serum.	If a red top tube is used, centrifuge and transfer serum into a plastic transport tube.
19296	Hepatitis C Genotype	87902	HECG	Pearl top PPT tube - 3.0 ml serum or plasma. Serum gel tube, lavender and yellow ACD tube also acceptable.	STRICT FROZEN Reference Lab Clients: Centrifuge and freeze within 6 hours of collection.
34728	Hepatitis C Viral Load by PCR (Quantitative)	87522	HCVPCR	Pearl top PPT tube - 3.0 ml plasma	Reference Lab Clients: Centrifuge and freeze within 2 hours of collection.
33448	Hepatitis C Virus (HCV) FibroSure®	82172, 82247, 82977, 83010, 83883, 84460	LLHCVF	Red top or serum gel tube - 3.5 ml. serum. Minimum volume - 2.0 ml.	Patient should be fasting for at least eight hours. Separate serum from cells within two hours of collection. If a red top tube is used, centrifuge and transfer serum to a plastic, screw top transport tube. Specimen can be stored refrigerated at 2° C to 8° C for 72 hours. Freeze specimen if storage longer than 72 hours is required. Reject: Gross hemolysis; gross lipemia; improper labeling; nonfasting specimen; patient younger than 14 years of age. <b>The patient's age and gender must be included on the test request form.</b>
33448	Hepatitis C Virus Fibrosure	82172, 82247, 82977, 83010, 83883, 84460	LLHCVF	Red-top or serum gel tube-3.5 ml serum. Minimum volume-2 ml. serum.	Patient should be <b>fasting</b> for at least 8 hours. Separate serum from cells within 2 hours of collection. Refrigerate. Freeze specimen if storage longer than 72 hours is required. Patient's age and gender must be included on the test request form. Reject: Gross hemolysis; gross lipemia; improperly labeled specimen; patient younger than 14 years of age.
43402	Hepatitis C Virus HCV GenoSure(R) NS3/4A	87900, 87902	HCVGS	PPT or Lavender-Top (EDTA) tube - 3 ml. plasma	Collect specimen in two lavender-top (EDTA) or two PPT tubes. Centrifuge specimen within six hours of collection. Remove plasma, transfer plasma to a screw-cap polypropylene transport tube and freeze. Ship frozen. Reject: PPT not centrifuged; insufficient volume; heparinized plasma; nonfrozen specimens; specimens exposed to repeated freeze/thaw cycles; specimen received in "pop-top" or "snap-top" tube.
28043	Hepatitis D Antibody. Total (EIA)	86692	HEPAD	Red Top or Serum gel tube - 2.0 ml serum	
	Hepatitis Delta			See Hepatitis D Antibody. Total (EIA)	
57017	Hepatitis E Virus (HEV) IgG, Viracor	86790	HEPEVG	Red-top, blue-top (sodium citrate), or green-top (sodium heparin) - 2.0 ml serum or plasma. Minimum vol - 1.0 ml.	Centrifuge and transfer 2 mL serum or plasma to sterile, screw top tube.
57018	Hepatitis E Virus (HEV) IgM, Viracor	86790	HEPEVM	Red-top tube - 2 ml. serum. Minimum volume - 1 ml.	Centrifuge and transfer 2 mL serum to sterile, screw top tube.
	Herpes - DFA Stain			See Viral DFA Stain	
32111	Herpes Simplex I & II by PCR, CSF	87149, 87529	HSVPCR	CSF 0.5 ml	CSF must be frozen within two(2) hours of collection
43456	Herpes Simplex I & II Specific Antibody IgM	86695, 86696	HSV12M	Red-top or Serum gel tube - 1 ml. serum Minimum volume - 0.3 ml.	Maintain specimen at room temperature. Ref Lab Clients - Centrifuge, separate and refrigerate serum in plastic sendoff vial. Reject: Lipemia, hemolysis, bacterial contamination.
38847	Herpes Simplex I & II, IgG Antibody, CSF	86694x2	HT12	CSF - 1.5 ml	Room temperature
9794	Herpes Simplex I & II, IgM Antibody, CSF	86695, 86696	HSVCMF	CSF - 1.5 ml	Refrigerate
50343	Herpes Simplex I & II, Specific Antibody (IgG)	86695, 86696	HSV12G	Red Top or Serum gel tube - 2.0 ml serum. Minimum vol - 1.0 ml	Ref Lab Clients - Centrifuge, separate and refrigerate serum in plastic sendoff vial.
22246	Herpes Simplex IgM I/II Combination, Serum	86694	HSVGM	Red Top or Serum gel tube - 2.0 ml serum. Minimum vol - 1.0 ml	Reject: Hemolysis, Lipemia Ref Lab Clients - Centrifuge, separate and refrigerate serum in plastic sendoff vial.
56987	Herpes Simplex Virus 1 & 2 (HSV-1 & HSV-2) Quant PCR, Aqueous Fluid Viracor	87799	HSVVAQ	Aqueous fluid - 1 ml. in sterile, screw-top container, <b>FROZEN</b> . Minimum volume - 0.5 ml.	Transfer collected amount to sterile, screw top tube for shipment. Do not add water, saline or other fluid media to container. Do not ship specimen in syringe. <b>FREEZE</b> .
54562	Herpes Simplex Virus 1 & 2 (HSV-1 & HSV-2) Quant PCR, BAL, Viracor	87530	HSVBAL	BAL - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
54563	Herpes Simplex Virus 1 & 2 (HSV-1 & HSV-2) Quant PCR, Bronch Wash, Viracor	87530	HSVBW	Bronch wash - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
43494	Herpes Simplex Virus 1 & 2 (HSV-1 & HSV-2) Quant PCR, CSF, Viracor	87530	HSVCSF	CSF - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
54568	Herpes Simplex Virus 1 & 2 (HSV-1 & HSV-2) Quant PCR, Eye, Viracor	87530	HSVVEYE	Sterile swab placed in 2 mL sterile saline, M4, or viral transport media in a sterile, screw top tube (minimum volume 0.5 mL).	Do not use calcium alginate swab or wood shafted swab.
54569	Herpes Simplex Virus 1 & 2 (HSV-1 & HSV-2) Quant PCR, Genital, Viracor	87530	HSVGEN	Sterile swab placed in 2 mL sterile saline, M4, or viral transport media in a sterile, screw top tube (minimum volume 0.5 mL).	Do not use calcium alginate swab or wood shafted swab.
54566	Herpes Simplex Virus 1 & 2 (HSV-1 & HSV-2) Quant PCR Mouth Viracor	87530	HSVMTM	Sterile swab placed in 2 mL sterile saline, M4, or viral transport media in a sterile, screw top tube (minimum volume 0.5 mL).	Do not use calcium alginate swab or wood shafted swab.

54565	Herpes Simplex Virus 1 & 2 (HSV-1 & HSV-2) Quant PCR, NP, Viracor	87530	HSVNP	Sterile swab placed in 2 mL sterile saline, M4, or viral transport media in a sterile, screw top tube (minimum volume 0.5 mL).	Do not use calcium alginate swab or wood shafted swab.
43493	Herpes Simplex Virus 1 & 2 (HSV-1 & HSV-2) Quant PCR, Plasma Viracor	87530	HSVP1	Lavender-top (EDTA) or yellow ACD tube - 2 ml. plasma, FROZEN. Minimum volume - 0.5 ml.	Centrifuge and transfer 2 ml. of plasma to a sterile, screw-top tube and FREEZE.
54567	Herpes Simplex Virus 1 & 2 (HSV-1 & HSV-2) Quant PCR, Rectal, Viracor	87530	HSVREC	Sterile swab placed in 2 mL sterile saline, M4, or viral transport media in a sterile, screw top tube (minimum volume 0.5 mL).	Do not use calcium alginate swab or wood shafted swab.
54564	Herpes Simplex Virus 1 & 2 (HSV-1 & HSV-2) Quant PCR, Serum, Viracor	87530	HSVS	Red-top tube - 2 ml. serum, FROZEN. Minimum volume - 0.5 ml.	Centrifuge and transfer 2 ml. of serum to a sterile, screw-top tube and FREEZE.
54570	Herpes Simplex Virus 1 & 2 (HSV-1 & HSV-2) Quant PCR Skin Viracor	87530	HSVSKN	Sterile swab placed in 2 mL sterile saline, M4, or viral transport media in a sterile, screw top tube (minimum volume 0.5 mL).	Do not use calcium alginate swab or wood shafted swab.
50767	Herpes Simplex Virus Type I Specific AB (IgG)	86695	HSVTIG	Red-top or serum gel tube - 1 ml. serum. Minimum volume - 0.2 ml. serum.	Refrigerate. If a red-top tube is used, centrifuge and transfer serum to a plastic transport tube.
50505	Herpes Simplex Virus Type II Specific AB (IgG)	86696	HSVT2S	Serum gel tube or Red Top - 1.0 ml serum Minimum volume - 0.2 ml.	Ref Lab Clients - Centrifuge, separate and refrigerate serum in plastic sendoff vial.
19282	Hexosaminidase A	83080	HEXA	Red top tube - 3.0 ml serum	STRICT FROZEN Reference Lab Clients: Centrifuge, separate and freeze serum in plastic sendoff vial within 30 min of collection.
	HFE			See Hemochromatosis	
	Hgb			See Hemoglobin & Hematocrit	
	HHV-6			See Human Herpes Virus 6	
56598	HHV-7 Quantitative Real-time PCR, CSF, Viracor	87799	HHV7SF	CSF - 2 ml., in a sterile screw cap tube. Minimum volume - 0.5 ml. <b>FREEZE.</b>	Collected in a sterile, screw top tube and FROZEN.
56597	HHV-7 Quantitative Real-time PCR, Serum, Viracor	87799	HHV7S	Red-top tube - 2 ml. serum. Minimum volume - 0.5 ml. <b>FREEZE.</b>	Collect 4-5 mL whole blood in red top tube. Centrifuge and transfer 2 mL serum to sterile, screw top tube. Store and transport frozen.
56594	HHV-8 Quantitative Real-time PCR, CSF, Viracor	87799	HHV8SF	CSF - 2 ml., <b>FROZEN.</b> Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
56595	HHV-8 Quantitative Real-time PCR, Tissue, Quantitative, Viracor	87799	HHV8T	5 mg fresh tissue (approximately 1/2 of a pencil eraser size) in a sterile, screw top container. Do not add water, saline or other fluid media to container. <b>FREEZE</b> Formalin fixed, paraffin embedded tissue will not be accepted.	Place fresh tissue in a sterile, screw top container. Do not add water, saline or other fluid media to container. Store and transport frozen. Formalin fixed, paraffin embedded tissue will not be accepted.
56596	HHV-8 Quantitative Real-time PCR, Whole Blood, Viracor	87799	HHV8WB	Lavender-top (EDTA) tube - 2 ml. whole blood. Minimum volume - 0.5 ml.	Room temperature. Specimens must be received at Viracor within 96 hours of collection.
	HIB			See <i>Haemophilus Influenza B</i> IgG Antibody	
41676	Histamine, Urine	83088	HISTD1	Obtain jug for 24 hr collection; Requires container with no preservative.	Refrigerate during collection. Reference Lab Clients - Mix well and send frozen aliquot.
19260	Histone Antibody	86235	HISTAB	Serum gel tube or red top tube - 1.0 serum	Reject: Hemolysis, Icterus, Lipemia, Sample with bacterial contamination
33526	<i>Histoplasma Capsulatum</i> Antigen, Blood	87385	HISTAS	Serum gel tube or red top - 2.0 serum	Reject: Hemolysis, Lipemia
56544	<i>Histoplasma Galactomannan</i> Antigen EIA, Urine	87385	HISTA	Five (5.0) mL urine in sterile specimen container. Minimum volume - 1 ml.	Refrigerate. Store specimens at 2°C to 8°C
49851	HIV 1 by RNA QUALITATIVE	87535	HIVQT	1 ml. serum or plasma from lavender-top (EDTA) tube, yellow-top (ACD) tube, red-top tube or gel-barrier tube. Minimum Volume - 0.5 ml.	Refrigerate or freeze. Reject: Gross hemolysis; specimen received outside of specimen and/or storage requirements.
1682	HIV 1 RNA By PCR, Quantitative Viral Load	87536	HIVRB	Pearl Top (PPT) tube - 5 ml. whole blood Minimum volume - 2 ml. plasma	Reference Lab Clients: Centrifuge , aliquot and freeze EDTA plasma within 2 hours of collection. Minimum volume - 2 ml. plasma.
43401	HIV 1 RNA Newborn	87535	NHIVR	Lavender top or Yellow ACD- 2.0 ml of whole blood. Minimum volume - 0.5 ml whole blood in lavender bullet	Heparin (green top) or EDTA pearl top (PPT) cannot be used. Whole blood specimens should be held at room temperature no longer than 72 hours and should not be refrigerated or frozen.If the delivery of whole blood specimens to the laboratory is expected to exceed 72 hours from collect time. frozen plasma should be sent.
34484	HIV 1, 2 Antibody Screen, Automated	87389	HIVPA	Serum gel tube or red top - 2.0 serum. Lavender tube and Green top plasma gel tube (lithium heparin) also acceptable.	Confirmatory testing is performed via Multispot methodology. Plasma cannot be used for confirmatory testing. Preferred specimen is serum gel tube.
43438	HIV GenoSure Archive	87901, 87906, 87900	HIVARC	Lavender Top (EDTA) tube - 4 ml whole blood, FROZEN	Do not centrifuge. FREEZE. Submit separate frozen specimens for each test requested. Reject: Insufficient volume, heparinized plasma, nonfrozen specimen.
19293	HIV Genotype	87900, 87901	HIVG	Lavender Top - 12.0 ml whole blood. Pearl top PPT also acceptable.	Collect specimen in three lavender-top (EDTA) tubes or three PPT™ tubes. Do not use green-top (heparin) tubes. Centrifuge specimen within six hours of collection. Transfer plasma to one or more screw-cap polypropylene transport tube(s). Snap-cap or Pop-top tubes should be avoided and may result in specimen rejection. Immediately freeze specimen at - 20° C. Do not place samples on dry ice until completely frozen. Ship specimens frozen.
	HLA - H			See Hemochromatosis	

43383	HLA 1/2, Low Resolution HLA B27	81370	HLA12	2 lavender-top (EDTA) tubes or 1 yellow-top (ACD) tube. Minimum volume – 1 ml. whole blood for normal white cell count. See B27, HLA	Specimens may be stored at room temperature or refrigerated at 4°C. <b>NOTE: Green-top tubes (sodium or lithium heparin) may inhibit the PCR reaction.</b>
54631	HLA B5701 Abacavir Hypersensitivity	81381	HB5701	2 lavender-top (EDTA) tubes or 1 yellow-top (ACD) tube. Minimum volume – 1 ml. whole blood for normal white cell count.	Specimens may be stored at room temperature or refrigerated at 4°C. <b>NOTE: Green-top tubes (sodium or lithium heparin) may inhibit the PCR reaction.</b>
55603	HLA Class 2 Typing, One Locus	81375	HLA2TY	2 lavender-top (EDTA) tubes or 1 yellow-top (ACD) tube. Minimum volume – 1 ml. whole blood for normal white cell count.	Specimens may be stored at room temperature or refrigerated at 4°C. <b>NOTE: Green-top tubes (sodium or lithium heparin) may inhibit the PCR reaction.</b>
55602	HLA Class I Typing, One Locus	81373	HLA1TY	2 lavender-top (EDTA) tubes or 1 yellow-top (ACD) tube. Minimum volume – 1 ml. whole blood for normal white cell count.	Specimens may be stored at room temperature or refrigerated at 4°C. <b>NOTE: Green-top tubes (sodium or lithium heparin) may inhibit the PCR reaction.</b>
43436	HLA High Resolution Panel, SBT (includes DRB1 and DQB1) Holt-Oram Syndrome	81378, 81382	DRB1	Two yellow-top ACD Solution A tubes - 10 ml. whole blood per tube. Minimum volume - 8 ml. per tube. See TBX5 Mutation Analysis	
36887	Homocysteine, Blood Homovanillic Acid	83090	HOMO1	Serum gel tube - 2 ml serum. Green and red top tubes also acceptable. See HVA	Plasma or serum must be separated within one (1) hour of collection. Reference Lab Clients: Centrifuge, separate and refrigerate plasma or serum in plastic sendoff vial.
30505	Homovanillic Acid (HVA), Urine Random	82570, 83150	HVARU1	Urine - 10 ml random urine in sterile specimen container. Minimum vol - 4.0 ml	Room temperature. Patient Prep: Patient should avoid aspirin, disulfiram, reserpine and pyridoxine at least 48 hrs prior to collection. Levodopa should be avoided 2 weeks prior to collection.
62342	HPV HIGH RISK RECTAL 16 and 18	87624	HPVHR1	Rectal swab must be collected in a ThinPrep Vial ONLY. Minimum volume 1mL	Causes for rejection: Improper collection or inadequate specimen; improperly labeled; specimen more than six months old in ThinPrep® vial; frozen specimens; specimen leaked in transit; quantity not sufficient for analysis; name discrepancies; excessively bloody specimens.
8340	HPV with Genotyping HSV by PCR, CSF	87624	Co-Path Only	Liquid based PAP only See Herpes Simplex I & II by PCR	
28598	HTLV I & II Antibody by ELISA, CSF	86687	HTLCF	CSF- 1.0 ml	Refrigerate
43565	HTLV I, 2 Antibodies HU Antibodies - Include Anti-RI	86790	HTABS	Serum gel top or red top -2.0 ml serum. Lavender top also acceptable. Minimum vol - 1.5 ml See Anti-Neuronal Nuclear AB Panel	Refrigerate
57454	Human Epididymis Protein 4	86305	HE4	Red-top tube or gel-barrier tube - 1 ml. serum. Minimum volume - 0.5 ml.	Refrigerate. If red-top tube is used, centrifuge and transfer separated serum to a plastic transport tube.
38049	Human Herpes Virus 6 by PCR	87533, 83912	HV6PCR	PPT Tube - 2 ml. whole blood	Centrifuge within two hours of collection. Transport at room temperature.
54601	Human Herpes Virus 6 Quantitative PCR, BAL, Viracor	87533	HHV6BA	BAL - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
54602	Human Herpes Virus 6 Quantitative PCR, Bone Marrow, Viracor	87533	HHV6BM	Lavender-top (EDTA) tube - 2 ml. bone marrow. Minimum volume - 0.2 ml.	Do not centrifuge.
54603	Human Herpes Virus 6 Quantitative PCR, Bronch Wash, Viracor	87533	HHV6BW	Bronch wash - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
54599	Human Herpes Virus 6 Quantitative PCR, CSF, Viracor	87533	HHV6SF	CSF - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
43499	Human Herpes Virus 6 Quantitative PCR, Plasma, Viracor	87533	HHV6QP	Lavender-top (EDTA) or yellow ACD tube - 2 ml. plasma, FROZEN. Minimum volume - 0.5 ml.	Centrifuge and transfer 2 ml. of plasma to a sterile, screw-top tube and FREEZE.
54600	Human Herpes Virus 6 Quantitative PCR, Serum, Viracor	87533	HHV6S	Red-top tube - 2 ml. serum, FROZEN. Minimum volume - 0.5 ml.	Centrifuge and transfer 2 ml. of serum to a sterile, screw-top tube and FREEZE.
54605	Human Herpes Virus 6 Quantitative PCR, Stool, Viracor	87533	HHV6ST	Stool - small amount of fecal material (size of pea or 2 ml. liquid stool)	Place in screw top tube and FREEZE.

54604	Human Herpes Virus 6 Quantitative PCR, Whole Blood, Viracor	87533	HHV6WB	Lavender-top (EDTA) tube - 4 to 5 ml. whole blood.	Must be received by testing laboratory within 96 hours of collection. Room Temperature
	Human Papilloma Virus			See HPV	
43589	Humoral Vaccine Panel 23 Viracor	86317x23, 86001, 86684, 86774	HUV5	Red top or serum gel tube - 4 ml. serum.	If a red-top tube is used, centrifuge and transfer 4 ml. of serum to a sterile, screw-top tube. Maintain specimen at room temperature.
1295	HVA, 24 Hr Urine	81050, 83150	HOV24	Obtain jug for 24 hr collection; Requires container with 6N HCl preservative.	
35180	Hydrochloric Acid, Free & Total	82926	HAFT1		
32072	Hydrocodone, Urine	83925	HYDRU	Urine - 5 ml random in sterile specimen container.	
1131	Hypersensitivity Pneumonitis	86331	HYPN	Red Top - 5 ml serum	Reject : Gross hemolysis, Lipemia
33739	IgG Quantitative, CSF	82784	CFIGG	CSF - 1.0 ml in sterile container. Min amount 0.25 ml	CSF with visible blood is not acceptable. Room temperature.
33738	IgG Synthesis Rate	82040, 82042, 82784x2	ISR	CSF and serum gel tube - 1 ml CSF and 1 ml serum required. Both specimens are required.	CSF with visible blood is not acceptable. Test not valid without serum also.
56631	IgVH Somatic Hypermutation	81263	IGVH1	Lavender-top (EDTA) tube, green-top (heparin) tube, or yellow-top (ACD) tube - 1 ml. whole blood	Maintain specimen at room temperature.
	Imavate			See Imipramine	
2119	Imipramine	80174	IMIPR	Red Top - 3 ml serum	Reject: Serum gel tube
39119	ImmuKnow®, Whole Blood, Viracor	86352	IMUK	Green-top (sodium heparin) tube - 2 to 3 ml. whole blood	Maintain at ambient temperature in original sodium heparin tube. <b>ALERT: TIME SENSITIVE. Specimen must be drawn after 4:00 A.M. (CST) and shipped on the same day as collection to meet the 30 hour requirement.</b> Reject: Whole blood frozen or received in transfer tube, specimen type other than heparinized whole blood in sodium heparin tube, specimen > 30 hours old.
	ImmunoCAP			See Allergen Profiles	
1509	ImmunoCAP Electrophoresis, Serum	86334	IMMU	Red Top or Serum gel tube - 3 ml serum	
1301	ImmunoCAP Electrophoresis, Urine	86335	IMUR	Urine - 50 ml random urine in sterile specimen container	
43413	Immunoglobulin A	82784	SIGA	Serum gel tube - 1 ml. serum	Reject: Hemolysis, lipemia.
1748	Immunoglobulin D, Quantitative	82784	IMGD	Red Top - 1 ml serum	Reject: Gross hemolysis. Patient should be fasting 8-12 hours.
33454	Immunoglobulin E, Total by ImmunoCAP	82785	IGET	Serum gel tube (SST) - 3 ml. serum. Minimum volume - 1 ml.	If ordered with individual allergens: 1-15 Allergens: 1 SST; 16-30 Allergens: 2 SST; 31-45 Allergens: 3 SST
43411	Immunoglobulin G	82784	SIGG	Serum gel tube - 1 ml. serum	Reject: Hemolysis, lipemia.
30506	Immunoglobulin G Subclasses 1,2,3,4	82784, 82787x4	IMG51	Red Top - 3 ml serum	Reject: Gross hemolysis, gross lipemia. Patient should be fasting 8-12 hours.
43412	Immunoglobulin M	82784	SIGM	Serum gel tube - 1 ml. serum.	Reject: Hemolysis, lipemia.
58453	Inflammatory Bowel Disease (IBD) Expanded Profile	83516X3, 86255, 86671	IBDP	Red top or serum gel tube - 2 ml. serum. Minimum volume - 1 ml.	If a red top tube is used, centrifuge and transfer serum to a plastic transport tube. Refrigerate. Reject: Hemolysis; lipemia; heat-treated specimen; gross bacterial contamination.
58451	Infliximab Concentration and Anti- Infliximab Antibody	80299, 82397	INFLI	Red top or serum gel tube - 2 ml. serum. Minimum volume - 1 ml. serum does not allow for repeat testing. <b>FROZEN.</b>	Allow a minimum clotting time of 30 to 60 minutes with serum separation within 2 hours of collection. Centrifuge and transfer serum to a frozen specimen tube. <b>FREEZE.</b> To avoid delays in turnaround time when requesting multiple tests on frozen samples, please submit separate frozen specimens for each test requested.
19268	Inhibin A	86336	INH	Red Top - 2 ml serum	Reject: Serum gel tube
31462	Insect Macroscopic Exam	87168	INSID	Submit suspect insect in sterile, screw-top cup. If possible add formalin or ethanol and make note that formalin was added on the cup.	Submit to the lab within 48 hours of collection
1307	Insulin Antibodies	86337	INSA	Serum gel tube - 2 ml serum	Reject: Plasma, Radioactive isotopes administered 24 hr prior to collection. Reference Lab Clients: Centrifuge, separate and freeze serum in plastic sendoff vial.
1399	Insulin, Total	83525	INS	Red top or Serum gel tube - 2 ml serum	Reject: Hemolysis, EDTA plasma. Patient should be fasting 8-12 hours. Centrifuge, separate and freeze serum in plastic sendoff vial.
33372	Insulin, Total & Free	83527, 83525	INSFT	Serum gel tube - 2 ml serum	Reject: Plasma, Radioactive isotopes administered 24 hr prior to collection. Patient should be fasting 8-12 hours.
32639	Insulin-Like Growth Factor Binding Protein 1	83520	IGFB1	Serum gel tube or red top tube - 0.5 ml serum	Centrifuge, separate and <b>freeze</b> serum or plasma in plastic sendoff vial. Please submit separate frozen specimens for each test requested.
38882	Insulin-Like Growth Factor Binding Protein 2	83519	LLIGF2	Serum gel tube or Red Top - 0.5 to 1 ml serum	Centrifuge, separate and <b>freeze</b> serum in plastic sendoff vial immediately.
1492	Insulin-Like Growth Factor Binding Protein 3	83520	INGF3	Serum gel tube or Red Top - 0.5 to 1 ml serum	Centrifuge and separate serum into plastic sendoff vial.
21349	Interleukin 2 (IL2)	83520	INLK2	Red Top - 1 ml serum	
31765	Interleukin 6, Amniotic Fluid	83520	INLKA	Amniotic Fluid - 1 ml fluid in sterile vial or container	

8240	Interleukin-6, Serum	83520	INLK6	Red Top or serum gel tube - 1 ml serum. Minimum volume - 0.3 ml.	Centrifuge and separate serum from cells. Transfer serum to a plastic transport tube.
19262	Intrinsic Factor Blocking Antibody	86340	IFAB	Red Top - 1 ml serum	Reject: Plasma, recent radioactivity scan, recent B12 injection
56991	Iodine, 24-Hour Urine	83789	IOD24	Urine - 5 ml. from 24-hour specimen in a sterile screw top container. Minimum volume - 2 ml. <b>Do not use a preservative.</b>	The test request must include the 24-hour collection volume.
1485	Iron Binding Profile - Includes Total Iron, Transferrin, TIBC	83540, 83550, 84466	IRONB	Green-top (lithium heparin) plasma gel tube - 3 ml plasma.	
1900	Iron, 24 Hr. Urine	81050, 83540	IRON24	Obtain jug for 24 hr collection; Requires container with no preservative.	
1318	Iron, Total	83540	FE	Green-top (lithium heparin) plasma gel tube - 3 ml plasma. Pediatric minimum sample - 0.7 ml	
56593	Isavuconazole (CRESEMBA®) LC MS/MS, Viracor	80299	ISAV1	Red-top tube - 1 ml. serum. Minimum volume - 0.5 ml., <b>FROZEN. DO NOT DRAW IN A GEL TUBE.</b>	Collect 4-5 mL whole blood in red top tube. Allow to clot for 30 to 60 minutes and centrifuge to isolate the serum. Transfer 1 mL serum to a sterile, screw top tube. DO NOT draw in a gel tube. Store and transport frozen.
16207	Islet Cell Antibody	86341	ISCA	Serum gel tube or Red Top - 1 ml, serum	
8212	Isoniazid, Blood	80375	ISON	Red Top - 1 ml serum	Centrifuge and Freeze. Reject: Serum gel tube
54586	Itraconazole, Plasma, Viracor	80299	ITRAP	Lavender-top EDTA tube- 1 ml. plasma, FROZEN	ACD and sodium heparin tubes are not acceptable. Centrifuge within 30 minutes of draw and transfer plasma to a sterile, screw-top tube and FREEZE. Do not draw in a gel tube.
54587	Itraconazole, Serum, Viracor	80299	ITRAS	Red-top tube - 1 ml. serum, FROZEN	Allow to clot for 30-60 minutes, centrifuge, and transfer serum to a screw top transport tube and FREEZE. DO NOT USE A GEL TUBE.
37165	JAK 2 Mutation Detection	81275	JAK2	Lavendar Top EDTA tube - 2 ml. whole blood or Non-heparinized Bone Marrow aspirate	Maintain specimen at room temperature.
54588	JC Virus (JCV) Quant PCR, CSF, Viracor	87799	JCPCRF	CSF - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
43492	JC Virus (JCV) Quant PCR, Plasma, Viracor	87799	JCPCRP	Lavender-top (EDTA) or yellow ACD tube - 2 ml. plasma, FROZEN. Minimum volume - 0.5 ml.	Centrifuge and transfer 2 ml. of plasma to a sterile, screw-top tube and FREEZE.
54590	JC Virus (JCV) Quant PCR, Serum, Viracor	87799	JCPCRS	Red-top tube - 2 ml. serum, FROZEN. Minimum volume - 0.5 ml.	Centrifuge and transfer 2 ml. of serum to a sterile, screw-top tube and FREEZE.
54589	JC Virus (JCV) Quant PCR, Urine, Viracor	87799	JCPCRU	Urine - 2 ml., FROZEN.	Collect in a sterile urinalysis container, then transfer to a sterile, screw-top tube and FREEZE.
43508	JC Virus DNA, PCR	87798	JCVPCR	Lavender-top (EDTA) tube - 1.0 ml. whole blood. Minimum volume - 0.5 ml.	Refrigerate. Stable for 7 days. Reject: quantity not sufficient for analysis; gross specimen contamination; specimen too old; leaking or broken tube.
43482	JC Virus DNA, Ultrasensitive	87799	JCVQ	CSF - 1 ml., FROZEN. Minimum volume - 0.5 ml.	Freeze specimen in a plastic screw-cap vial. Transport frozen.
	Jewish Heritage Test			See Glycogen Storage 1A Carrier	
19264	JO Antibody	86235	JOAB	Serum gel tube - 2 ml serum	Reject: Hemolysis, Lipema, Icterus
	Juvenile Neuronal Ceroid Lipofuscinosis			See Batters Disease	
43421	Kappa/Lambda Light Chains, Serum		FKLLCS	Red Top - 2 ml serum	Reject; Hemolysis, Lipemia
43422	Kappa/Lambda Light Chains, Urine		FKLLCU		
	Karyotype			See Chromosome Analysis	
	Keppra			See Levetiracetam	
	Ketogenic Steroids, 24 Hr Urine			See Ketosteroids	
	Ketones			See Acetone	
51388	Ketosteroids, 24 Hr Urine	83586, 81050	KETO24	Obtain jug for 24 hr collection; Requires container with no preservative. Obtain jug for 24 hr collection;	Volume required - 8.0 ml urine divided into two(2) aliquots from a well mixed 24 hr urine collection. Record total volume and refrigerate. Minimum volume is 6.0 ml
8215	Kidney Stone (Saturation), 24 Hr Urine	Call Client Services	KSC24	Requires container with no preservative.	
41204	KIT Mutation	81402	KITM	5.0-7.0 ml whole blood in lavender tube	
16211	Klonopin (Clonazepam)	80346	KLON	Red Top, Lavender Top, or Green Top - 4 ml serum or plasma	Collect specimen immediately prior to next dose unless specified otherwise. Transfer separated serum or plasma to a plastic transport tube. Do not use a Serum gel tube. Reject: Serum gel tube.
1231	KOH Prep	87210	KOHP	Submit specimen or culturette swab	<b>This code is for in-house testing at Acute Care and Healthplex locations only. This code should not be sent to Core Laboratory for testing. Reference Lab clients order: FUSS.</b>

39158	KRAS Mutation Analysis	81275	KRAS	Paraffin Embedded Tissues - Three (3) unstained slides and one (1) H&E slide.	Room temperature only.
42799	LACOSAMIDE LEVEL	80339	LACO	1mL serum, red top tube, or plasma, lavender EDTA or green heparin.	RED TOP, LAV EDTA OR GREEN HEPARIN. Transfer separated serum or plasma to a plastic transport tube. Do NOT use Gel barrier tube
1398	Lactic Acid	83605	LACT	Gray Top - 5 ml whole blood. Pediatric minimum sample - 2.0 ml.	Deliver to lab on wet ice ASAP. Test must be performed or plasma separated within fifteen minutes of collection. Reference Lab Clients: Centrifuge, separate and freeze plasma in plastic sendoff vial.
41376	Lactoferrin, Fecal	83630	FECLA	Submit stool specimen in sterile specimen container.	Reject any stool submitted in transport media or preservative. Submit to the lab within 48 hours of collection Diapers are not acceptable. Household storage containers are not acceptable.
38826	Lactoferrin, Fecal, Quantitative	83631	LACF	Stool (unpreserved, random) - 1 gram	Do not contaminate outside of container; do not overfill container. Refrigerate specimen. Causes for rejection: nonfecal sample, stool contaminated with urine, preserved specimen.
1573	Lactose Tolerance Test			Refer to Special Collection Procedures	
	Lambert Eaton Antibody			See VGCC	
16222	Lamictal (Lamotrigine)	80175	LAMO	Red Top - 2 ml serum. Lavender Top or Green Top also acceptable.	Keep specimen at room temperature.
1066	LAP Stain - Leukocyte Alkaline Phosphatase	85540	LAP	Green Top - 5 ml whole blood	Deliver sample to Special Hematology within 8 hours of collection. DO NOT REFRIGERATE.
1329	LDH	83615	LDH	Green-top (lithium heparin) plasma gel tube - 3 ml plasma. Pediatric minimum sample - 0.7 ml	
19291	LDL, Direct Measure	83721	LDLDIR	Green-top (lithium heparin) plasma gel tube - 3 ml plasma.	
1161	Lead, 24 Hr Urine	81050, 83655	PB24	Obtain jug for 24 hr collection; Requires container with no preservative.	
1651	Lead, Blood	83655	BPB	Royal Blue-Top (EDTA), 7 mL., Whole blood.	Mix blood thoroughly to avoid clotting. Note: This test is only performed on adult and pediatric patients > 6 years old. Rejection: clotted specimen.
2151	Lead, Blood, Pediatric	83655	NNPBP	Minimum Volume: 0.5 ml. whole blood- Royal Blue EDTA tube 0.5 ml whole blood (fingerstick)-BD purple microtainer (EDTA)	Mix blood thoroughly to avoid clotting. Rejection: clotted specimen.
55838	Lead, Blood, Pediatric, Capillary	83655	LEADP	Lavender-top (Microtainer) tube - 0.5 ml. whole blood (capillary)	For capillary puncture, wash skin surface thoroughly to minimize contamination. Mix blood thoroughly to avoid clotting. Maintain specimen at room temperature. Reject: Venous collections tan-top lead free tube or royal blue-top (EDTA) tube; clotted specimen
33687	Leber Hereditary Optic Neuropathy	Call Client Services	LHON	Lavender Top - 5 ml whole blood. Whole blood collected in Yellow Top also acceptable.	Store at room temperature
31063	Leflunomide	80375	LEF	Red Top - 1 ml serum	Reject: Serum gel tubes Reference Lab Clients must centrifuge, separate and freeze serum in plastic sendoff vial within 45 minutes of collection.
1001	Legionella Culture	87206, 87081	LDNA	Submit tracheal aspirate, bronchial washing or sputum sample.	Submit to the lab within 48 hours of collection
19295	Legionella Pneumophila Antibody	86713	LNPAB	Red Top - 2 ml serum	Reject: Hemolysis, Lipemia
8682	Legionella Urinary Antigen	87449	LEGUA	Urine - 5 ml random urine in sterile specimen container. See VGCC	
	LEMS Autoantibody			See LAP Stain	
38026	Leukocyte Alkaline Phosphatase Stain Leukocyte Lysosomal Enzyme Screen	82657	LLES	Two (2) green-top (lithium heparin) tubes - 10 ml whole blood	Deliver to Central Processing Lab ASAP. Keep specimen at room temperature. Collect specimen only Monday - Thursday; Cutoff 10am Thursday.
4924	Levetiracetam (Keppra)	80177	KEPP	Red Top - 3 ml serum	Reference Lab Clients: Separate serum from cells within 45 minutes of collection and transfer to a plastic transport tube.Reject: Serum gel tube
1317	LH (Luteinizing Hormone)	83002	LEH	Serum gel tube - 3 ml serum. Minimum volume - 1.5 ml	
2176	LH (Luteinizing Hormone), PEDIATRIC	83002	NNLH	Red-top or serum gel tube - 2.0 ml. serum. Minimum volume - 0.5 ml. serum.	Order on patients less than 18 years of age. If a red top tube is used, transfer separated serum to a plastic transport tube.
1132	Lidocaine	80176	LIDO	Red-top or serum gel tube - 3 ml blood. Pediatric minimum sample - 0.7 ml	
1330	Lipase	83690	LIPA	Green-top (lithium heparin) plasma gel tube - 3 ml plasma. Pediatric minimum sample - 0.7 ml	
29271	Lipid Analysis, Body Fluid	84311x2, 84478, 82247	BFLA	Submit 3 ml of body fluid.	Protect from light.
37880	Lipid Profile -Includes Cholesterol, Triglyceride, HDL, LDL, NHDL	80061	LIPID	Green-top (lithium heparin) plasma gel tube - 3 ml plasma. Pediatric minimum sample - 1.0 ml	Patient should be fasting 8 -12 hours



38018	Lipoprotein A	83695	LIPOA	Red Top - 2 ml serum. Lavender Top is also acceptable.	Reject: Serum gel tube. Reference Lab Clients: Centrifuge, separate and refrigerate serum in plastic sendoff vial within 2 hours of collection.
53993	Lipoprotein, NMR	83704, 80061	NMRLP	NMR LipoTube (black and yellow top) - 2 ml serum.	Collect specimen in NMR LipoTube (black-and-yellow-top tube), which is the preferred specimen. Plain red-top, or EDTA lavender-top (EDTA-no gel) tubes are also acceptable. Serum or plasma drawn in gel-barrier collection tubes other than the NMR LipoTube should not be used. <b>The LipoTube is the only acceptable gel-barrier tube.</b> Gently invert tube to mix contents and allow specimen to clot for 30 minutes prior to centrifugation (Plasma tubes should not clot). Centrifuge specimen immediately to separate serum/plasma from the red cells. If the sample cannot be centrifuged immediately, the sample should be refrigerated (at 2°C to 8°C) and centrifuged within 24 hours of collection.
33370	Lisencephaly Seq	83891, 83898x4, 83904x9	LISS	Two (2) Lavender Tops - 10 ml	Keep at room temperature.
27282	Listeria Antibody	86723	LIAB	Serum gel tube - 1 ml serum	
1397	Lithium	80178	LI	Serum gel tube - 3 ml blood, Pediatric minimum sample - 0.7 ml	
38027	Liver Kidney Microsomal Autoantibodies	86376	LKM	Red Top - 1 ml serum	Reject: Hemolysis, Lipemia
	Liver Panel			See Hepatic Function Panel	
57615	Long Chain Fatty Acid (Very Long Chain Fatty Acid)	82726	VLCHA	Lavender Top (EDTA), serum gel tube, or green-top (heparin) tube - 3 ml. serum or plasma. Minimum volume - 1 ml.	Centrifuge specimen. If a lavender or green top is used, separate plasma to a plastic transport tube. Maintain specimen at room temperature.
34076	Lorazepam (Ativan)	80154	LORAZ	Red Top - 3 ml serum	
38024	LSD, Urine (Lysergic Acid Diethylamide)	80101	LSD	Urine - 20 ml random urine in sterile specimen container	
1526	Lupus Anticoagulant	85732, 85730	LUPUS	Blue-top (sodium citrate) tube - 2.7 ml whole blood.	Deliver to lab ASAP. Test must be performed or plasma separated within 4 hours of collection. Reference Lab Clients - Centrifuge, separate and freeze plasma in plastic sendoff vial.
	Luteinizing Hormone			See LH	
61948	Lyme Disease Antibody Total with Reflex	86618	LYMEAB	Red-top or SST - 2ml serum	Maintain specimen at room temperature. Causes for rejection: hemolysis; lipemia; gross bacterial contamination
8213	Lyme Test, Western Blot	86617 X 2	LYCSF1	CSF - 0.5 ml	
1175	Lymphocyte Count (Total, Absolute)	85048	TYLC	Lavender Top - 3 ml whole blood	
40778	Lymphocyte Enumeration	88184	LYEN	Green-Top (Sodium Heparin) tube - 3 ml. whole blood	<b>*Time Sensitive**</b> A concurrent CBC/Diff should be ordered. Maintain specimen at room temperature, call STAT courier immediately to transport to Core Lab. Testing performed at Duke University Health System
57269	Lymphocyte Subset Analysis	86359, 86360, 86355, 86357	LCSUBA	Lavender Top (EDTA) tube - 4 ml. whole blood, Preferred specimen. Minimum volume - 1 ml. Green top (sodium or lithium heparin) is also acceptable.	Transport and analyze at room temperature. Specimens must be tested within 96 hours of collection.
	Lyrca			See Pregabalin	
21283	Lysozyme, Serum	85549	LYSO	Red Top - 1 ml serum	Reference Lab Clients: Centrifuge, separate and freeze serum in plastic sendoff vial
21282	Lysozyme, Urine	85549	LYSOU	Urine - 2 ml random urine in sterile specimen container	Freeze urine in plastic sendoff vial.
	Lytes			See Electrolytes	
	MAG Antibody			See Myelin Associated Glycoprotein Antibody	
1362	Magnesium	83735	MG	Green-top (lithium heparin) plasma gel tube - 1.0 ml plasma. Minimum sample required - 0.7 ml. plasma	
40946	Magnesium, RBC	83735	EEMAGR	Green-top (heparin) tube, lavender-top (EDTA) tube, royal blue-top (EDTA) tube, or tan-top lead-free tube - 1 ml. whole blood. Minimum volume - 0.2 ml.	Centrifuge tube within 45 minutes of collection and separate plasma from cells. Discard the plasma. Using the original collection tube, submit <b>ONLY</b> the RBCs to the laboratory.
1079	Malaria Smear	87207	MAL	Lavender Top - 3 ml whole blood	
31060	Manganese, Blood	83785	MANG	Royal Blue Top (Metal Free tube with EDTA) - 3.0 ml whole blood.	Do not centrifuge blood. Test requires whole blood. Reject clotted specimens. Submit original tube.
33208	Maple Syrup Urine Carrier	81205	MSYUC	Yellow Top (Solution A) - 10 ml whole blood. Lavender Top also acceptable.	Must keep at room temperature.
	Marijuana			See Cannabinoid	
7910	Maternal Screen - Tetra Test (Includes AFP, Estriol, HCG, Inhibin A)	82105, 82677, 86336, 84702	AFPTET	Serum gel tube - 5 ml whole blood	Do not pour off serum or separate. Specimen must be received in parent tube. Reject: Lipemia, hemolysis. Sample must be accompanied by completed maternal screen form.
	Measles, Mumps, Rubella Immunity			See MMR Immunity Status	
19298	Megaloblastic Anemia Panel	82136, 83918	MEGO	Red Top - 3 ml serum	Reference Lab Clients: Centrifuge, separate and freeze serum in plastic sendoff vial

26539	Mercury, Urine, 24Hr	83825	MERCU	Obtain jug for 24 hr collection; Requires container with no preservative.	
8383	Metanephrines, Plasma	83835	METP	Lavender-top (EDTA) tube	Patient Preparation: Patient should be fasting overnight (water and noncarbonated soft drinks are permissible). The patient should be in a supine position for at least 15 minutes before and during sample collection. An indwelling venous catheter (normal saline to keep the line patent) is recommended, since the acute effects of the stress of venipuncture may increase metanephrine. It is preferable, but not essential, to draw the sample without a tourniquet. Collection: <b>Draw blood in chilled lavender-top (EDTA) tube. Invert to mix with preservatives. Centrifuge and transfer the plasma to a labeled plastic transport tube. Storage instructions: Refrigerate.</b>
1617	Metanephrines, Urine, 24 Hr	83835x2, 81050	MN24	Obtain jug for 24 hr collection; Requires container with HCl preservative.	
27638	Methadone Screen with Confirmation	80301	METD	Urine - 30 ml random urine in sterile specimen container	
	Methanol			See Alcohol Screen	
1289	Methotrexate	80299	TREX	Red-top tube - 3 ml serum Pediatric minimum sample - 0.7 ml	
	Methylation Analysis			See Prader-Willi Syndrome	
	Methylenetetrahydrofolate Reductase			See MTHFR	
1204	Methylmalonic Acid, Serum	83921	MEMALS	Serum gel tube - 3 ml serum	Reference Lab Clients: Separate serum from cells within one hour of collection.
21844	Methylmalonic Acid, Urine (Quant.)	83921	MMAUR1	Urine - 5 ml random urine in sterile specimen container.	
33206	Mexiletine Serum Plasma	80299	MEX1	Red Top - 2.0 ml serum. Lavender Top and Green Top also acceptable.	Reject: Serum gel tube.
19254	MHATP (Microhemagglut T. pallidum)	86780	MHATP	Red Top - 1 ml serum. Green Top, Lavender Top, Blue-top (sodium citrate) tube also acceptable.	STS must be ordered prior to request for MHATP. This test replaces FTA-ABS
59618	Microarray Analysis			See Comparative Genomic Hybridization	
1356	Mitochondrial Antibody	83516	AMIT	Serum gel tube - 3 ml serum	
33140	Mitochondrial DNA Genome (Seq.)	81401 X 5	MTGS	Two Lavender Tops- 5 ml whole blood.	Keep at room temperature. Sendout as whole blood specimen to Baylor test code 2055. Baylor Genetics Lab requisition must accompany the sample. Requisition can be found at <a href="http://www.BMGL.com">www.BMGL.com</a> , Testing Catalog. Do not heat or freeze sample.
	Mixing Studies			See Circulating Anticoagulant	
21284	MMR Immunity (Measles, Mumps, Rubella)	86765, 86735, 86762	MMR	Serum gel tube - 3 ml serum	
1086	Monospot	86308	MONOS	Serum gel tube - 3 ml serum. Pediatric minimum sample - 1.0 ml	
1891	Morphine	83925	MORP	Red Top - 3 ml serum	Reject: Serum gel tube
55824	MRSA SA Nares Screen by PCR	87641	MRSASA	Nasal swab specimens collected with the cobas® M5wab.	Rejection criteria: Any specimen other than the cobas M5wab; samples greater than 4 days old; samples not at room temperature; no swab present or more than 1 swab present; bloody or dark brown specimens; less than 700 ul of volume; swabs broken below the score line
23361	MTHFR	83891, 83894, 83898	MTHFR1	Lavender Top - 5 ml whole blood. Pediatric minimum volume - 2.0 ml Submit 3.0 ml synovial fluid in Green Top or Lavender Top.	Room Temperature. Do not combine with other test codes. Please submit a separate specimen for each genetic test requested.
1388	Mucin Precipitation	83872	MUCI	Two (2) Lavender Tops - 10 ml whole blood	Reject: Clotted specimens
32740	Mucopolidosis IV	83890, 83894, 83901x4	MUCO	BAL - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Keep at room temperature.
43496	Mucorales PCR, BAL, Viracor	87798	MUCOR		Collected in a sterile, screw top tube and FROZEN.
19266	Mumps Virus Antibody, IGG	86735	MUMP	Serum gel tube - 1 ml serum	Reject: Hemolysis, Lipemia
54460	Mumps Virus RNA, PCR	87798	MUMPCR	Oral/buccal swab in viral transport media	Collect oral/buccal swab in viral transport media. <b>Reference Lab Clients:</b> Refrigerate for transport to lab.
	Muramidase			See Lysozyme	
56579	Muscle-Specific Kinase (MuSK) Autoantibody, Serum, Mayo	83519	MUSKM	Red-top or serum gel tube - 2.0 ml. serum. Minimum volume - 0.5 ml.	If a red-top tube is used, centrifuge, and transfer serum to a plastic transport tube. Refrigerate.
39170	MuSK Antibody	83519	MUSK1	Red-top or serum gel tube - 2 ml. serum. Minimum volume - 0.5 ml.	Refrigerate. If a red-top tube is used, centrifuge, and transfer serum to a plastic transport tube.
56581	Myasthenia Gravis Evaluation with MuSK Reflex, Serum, Mayo	83519x2, 83520	MGMRFX	Red-top or serum gel tube - 3 ml. serum. Minimum volume - 2 ml.	If a red-top tube is used, centrifuge, and transfer serum to a plastic transport tube. Refrigerate.
38004	Myasthenia Gravis Panel	83520, 84238x3	MYAS1	Red Top - 2 ml serum	
33814	Mycophenolic Acid	82542	MYCOA	Red Top or Lavender Top 1.2 ml serum or plasma	Reject: Serum gel tube. Reference Lab Clients: Centrifuge, separate and refrigerate serum in plastic sendoff vial within 45 minutes of collection.

29423	Mycoplasma Pneumoniae, DNA PCR	87581	LLMPDP	Bronchoalveolar (BAL)/bronchial wash/aspirate, NP wash/aspirate, or cerebrospinal fluid (CSF) - 1 ml. in sterile, screw cap container, <b>FROZEN</b> .	Reject: Quantity not sufficient for analysis; gross specimen contamination; specimen too old; leaking or broken tube.
19290	Mycoplasma Pneumoniae IgG Antibody	86738	MYIG	Serum gel tube - 3 ml serum	Reject: Hemolysis, Lipemia
3481	Mycoplasma Pneumoniae IgM Antibody	86738	MYIGM	Serum gel tube - 3 ml serum	
54641	Mycoplasma/Ureaplasma Culture	87109	MCUL1	Urine, random in sterile, leakproof container.	Refrigerate. Reject: specimen received in grossly leaking transport container; specimen submitted in fixative or additive; specimen stored or transported at room temperature.
1948	Myelin Associated Glycoprotein Antibody (MAG)	86318	ANMAG	Red Top - 3 ml serum. CSF also acceptable	
MYCHIM	Myeloid Chimerism		MYCHIM	Lavender-top (EDTA) tube - 1 ml. whole blood or bone marrow.	Maintain specimen at room temperature.
28042	Myeloperoxidase Antibody	83520	MPO	Serum gel tube - 2 ml serum	Reject: Hemolysis, Lipemia
	Myidone			See Mysoline	
24050	Myoglobin, Serum	83874	MYOGS1	Red Top - 2 ml serum	
1623	Myoglobin, Urine	83874	MYOGU	Urine - 10 ml random urine in sterile specimen container	
1320	Mysoline (Primidone, Myidone)	80188	MYSOP	Red Top - 3 ml serum. Green Top also acceptable.	Reject: Serum gel tube, Hemolysis, Lipemia, Icterus. This test also includes phenobarbital.
	NAPA			See Procainamide	
48499	Narcolepsy Evaluation	81383x2	NAREV	Lavender-top (EDTA) tube - 7 ml. whole blood. Minimum volume - 3 ml. OR Four buccal swabs in a sealed envelope (buccal swab kit).	If submitting buccal swabs, please use the kit provided by LabCorp. Contact CHS Distribution for kits. Maintain specimen at room temperature. Protect from extreme heat or cold. Reject: Incorrect specimen container (tube type); yellow-top (ACD) tube.
39153	NASH FibroSure®	82172; 82247; 82465; 82947; 82977; 83010; 83883; 84450; 84460; 84478	NASH	Red-top tube or serum gel tube - 3.5 ml., <b>FROZEN</b> . Minimum volume - 2 ml.	The patient's age, gender, height, and weight at the time of collection must be submitted for FibroSure® testing. Patient should be fasting for at least eight hours. Separate serum from cells within two hours of collection. If a red top tube is used, centrifuge and transfer serum to a plastic transport tube. Reject: Gross hemolysis; gross lipemia; improper labeling; nonfasting specimen; patient younger than 14 years of age
62888	NATURAL KILLER FUNCTION, CINCINNATI	86352	NKFCIN	Three (3) Green Tops - 10 mL whole blood. Minimum volume - 5mL	TIME SENSITIVE, STRICT ROOM TEMP, DO NOT ALIQUOT. Blood must be drawn Monday-Thursday between 1100-1400. Must be received at Cincinnati within 24 hours of collection. Cincinnati Children's' requisition must accompany the sample. Blood must be drawn Monday-Thursday between 1100-1400.
33813	Natural Killer Surface Antigen	86357	NKSA	Lavender Top - 7.0 mls, Yellow Top (Solution A) - 7.0 mls, and peripheral blood film. NOTE: All three are required.	Reject: Hemolysis, Specimens separated, refrigerated or frozen. STRICT ROOM TEMPERATURE ONLY. This test can only be collected Mon- Thurs.
32188	Nemaline Myopathy	81479	NEM	Lavender Top - 5 ml whole blood	Keep at room temperature.
	Nembutal			See Pentobarbital	
33139	Neoenkephalitis Profile	83519, 84182x2, 83520x2	NEOP	Red Top - 4 ml serum. Serum gel tube also acceptable.	May keep refrigerated or at room temperature
21650	Neopterin, Total	82491	NEPT	CSF- 0.5 ml in sterile specimen vial	Deliver to lab ASAP.
57480	Neuromyelitis Optica (NMO)/Aquaporin-4-IgG Fluorescence-Activated Cell Sorting (FACS) Assay, Serum, Mayo	86255	NMOFS	Red top or serum gel tube - 2 ml. serum. Minimum volume - 0.5 ml.	Refrigerate. If a red top tube is used, centrifuge and transfer serum to a plastic transport tube.
56980	Neuromyelitis Optica IgG Autoantibodies	83520	NMOIGG	Red Top or Serum gel tube - 1 ml serum. Minimum volume - 0.2 ml.	Serum must be separated from cells within 45 minutes of collection. <b>Reference Lab Clients: Centrifuge, separate and freeze serum in plastic sendoff vial. Aliquot must be frozen.</b>
	Neurontin			See Gabapentin	
21428	Neurotransmitter Metabolites	82492	NTM	CSF- 0.5 ml in sterile specimen vial	Deliver to lab ASAP.
	Nevoid Basal Cell Carcinoma			See Gorlin Syndrome	
	NH3			See Ammonia	
51878	Nickel, Plasma	83885	NICKEL	Royal blue-top (EDTA) tube - 2 ml. plasma Minimum volume - 0.6 ml.	Plasma <b>MUST</b> be separated from cells within 45 minutes of collection and transferred to a certified metal free transfer tube. Reject: Certified metal-free plastic transport tube not submitted. Maintain specimen at room temperature.
41193	Nicotine & Metabolite (Cotinine), Quantitative, Plasma, Whole Blood, or Serum	80323	NICOS1	Red-top, lavender-top (EDTA) or green-top (heparin) tube - 1 ml serum or plasma Minimum volume - 0.5 ml.	Maintain specimen at room temperature.
41192	Nicotine & Metabolite (Cotinine), Quantitative, Urine	80323	NICUR1	Urine - 10 ml random urine in sterile specimen container Minimum volume - 1 ml.	Maintain specimen at room temperature.

19261	Nitroblue Tetrazolium Test	86384	NBT1	Two (2 ) Green Tops - 10 ml whole blood	Deliver to lab immediately. Keep specimen at room temperature.
43574	Norovirus Real-time RT-PCR, Feces, Viracor	87798x2	NOROF	Stool - 2 ml., FROZEN.	Place specimen in a screw top tube and FREEZE.
	Norpace			See Disopyramide	
30504	N-Telopeptide Crosslinks	82523, 82570	NTPUR1	Urine - 10 ml of 2nd voided am specimen in sterile specimen container	
42011	NT-proBNP	83880	NTPBNP	Red-top or serum gel tube - 1 ml. serum. Minimum volume - 0.5 ml. serum, <b>FROZEN.</b>	Centrifuge, transfer serum to a frozen specimen tube and <b>FREEZE.</b> Reject: citrate or EDTA plasma specimen, grossly hemolyzed specimen.
1433	Occult Blood, Feces	82270	OCCB	Submit fresh stool sample in sterile specimen container. Do not use preservative or additive.	Submit to the lab within 48 hours of collection. Diapers are not acceptable. Household storage containers are not acceptable.
1431	Occult Blood, Gastric Aspirate	82271	OCBF	Submit gastric aspirate sample in sterile specimen container. Do not use preservative or additive.	Submit to the lab within 48 hours of collection
29269	Olanzapine (Zyprexa)	82542	OLAN	Red Top - 2 ml serum. Lavender Top also acceptable.	Reject: Serum gel tube. Centrifuge and separate serum/plasma and freeze.
30459	Oligoclonal Banding by IEF, Serum and Spinal Fluid, Mayo	83916x2	OLIEF1	Red Top or serum gel tube - 1 ml serum <b>AND</b> CSF - 1 ml. in a sterile container.	Both serum and CSF must be submitted for diagnosis. Spinal fluid must be obtained within 1 week of serum draw. If a red top tube is used, centrifuge and transfer serum to a plastic, screw cap transport tube.
33204	Oligosaccharides	84375	OLIGOS	Urine - 50 ml random urine in sterile specimen container	Freeze urine in plastic sendoff vial.
56996	One Known Mutation (Targeted Variant Testing), GeneDx	81479	KITM1	Lavender top (EDTA) tube - 5 ml. whole blood.	
1535	Organic Acids	81050, 83918	ORGAC	Urine - 10 ml in sterile specimen container. Pediatric minimum sample - 2 ml.	
1009	Osmolality , Urine	83935	OSMU	Urine - 1 ml urine in sterile specimen container	
1010	Osmolality, Serum	83930	OSMS	Red-top or serum gel tube - 1 ml serum	
43475	Osmotic RBC Fragility	85555, 85557	OSMF1	Lavender-Top (EDTA) tube - 4 ml whole blood. Minimum volume - 2 ml.	Whole blood EDTA: patient and control specimen required and treated in same manner. Collection instructions: 1. Label patient and control (normal control) tubes. Immediately refrigerate specimens after draw. 2. Send specimens in original tubes. 3. Rubber band patient specimen and control together 4. Note patients's age. Gender of patient and control required.
38009	Osteocalcin	83937	OCA	Serum gel tube - 3 ml serum	Reference Lab Clients: Centrifuge, separate and freeze serum in plastic sendoff vial
43356	Ova and Parasites (O&P)	87177, 87209	OVPA2	Collect stool in O & P transport container with formalin and PVA . Fill stool until liquid level line on container is met.	Stools must be free of barium, bismuth and oils for at least 72 hours. Stools cannot be mixed with urine. Fresh stool should not be submitted, unless it is submitted to the lab within 30 minutes of passage for aliquot into preservative vials. If sample cannot be submitted within 30 minutes of passage, then it should be immediately placed into PVA and formalin vials. Submit to lab within 48 hours. Diapers and rectal swabs are not acceptable. Household storage coantiners are not acceptable. <b>Submission to the Core Lab must be in fixative vials.</b>
1650	Oxalate, 24 Hr Urine	81050, 83945	OXAL	Obtain jug for 24 hr collection; Requires container with HCl preservative. Random sample of urine also acceptable.	
	Oxazepam			See Serax	
3236	Oxcarbazepine (Trileptal)	80183	TRLP	Red Top, Lavender Top - 1 ml serum	Reject: Serum gel tube, Hemolysis, Lipemia, Icterus
23465	Oxycodone, Serum, Quantitative (Percoset, Oxycontin)	80365	OXYS	Red Top - 2 ml. serum <b>Do not use a gel-barrier tube.</b>	Separate serum or plasma within one hour of collection and transfer to a plastic transport tube. Reject: Gel tubes.
40392	P50 Oxygen Dissociation	82820	EEP50	2 green-top sodium heparin tubes - 5ml	<b>CONTROL SAMPLE IS REQUIRED FOR TESTING.</b> Collect a control sample from a normal/healthy unrelated non-smoking person at the same time as the patient. Make sure control sample is clearly labeled as "NORMAL CONTROL". <b>DO NOT ALIQUOT.</b> Rubber band patient and control sample together and refrigerate immediately after draw.
	pANCA Specific Antibody (Anti myeloperoxidase Antibody)			See anti myeloperoxidase antibody	
28175	Pancreatic Elastase	83520	PAE1	20 gm of random stool.	Specimen must be frozen upon arrival in laboratory
	Pancreatic Glucagon			See Glucagon	
	Pancreatic Islet Cell Antibodies			See Islet Cell Antibodies	
29414	Pancreatic Polypeptide	83519	PANP	Red Top - 1 ml serum	Reference Lab Clients: Centrifuge, separate and freeze serum in plastic sendoff vial within four (4) hrs of collection. Fasting specimen preferred. Reject: Plasma
	Pap Smear			See Cytology Section	
30605	Paraneoplastic Antibody Panel	83519X5, 83520, 86256X8, 84182X2, 86341	PARAN	Serum gel tube - 4 ml serum	Reference Lab Clients: Centrifuge, separate and refrigerate serum in plastic sendoff vial within 45 minutes

31463	Parasite ID, Macroscopic	87169	WORM	Submit suspect worm in sterile, screw-top cup. If possible add formalin or ethanol and make note that formalin was added on the cup. See PTH	Do not submit stool. Sample will be rejected. For parasitic examination of stool see Ova and Parasites (OVPA2). Submit to lab within 48 hours of collection.
	Parathyroid Hormone (Intact)			See Antiparietal Cell Antibody	
	Parietal Cell Antibody			See Mumps Virus Antibody	
	Parotitis Epidemica Antibodies			See PTT	
1827	Parvovirus B19 Antibody (Includes IgG & IgM)	86747x2	PARV	Serum gel tube - 2 ml serum	
8237	Parvovirus B19 Antibody by PCR	87798	PARVP	Lavender Top - 3 ml whole blood	EDTA whole blood required
56567	Parvovirus B19 Quantitative PCR, CSF, Viracor	87799	PB19SF	CSF - 2 mL., FROZEN. Minimum volume - 0.5 ml.	Collect in a sterile, screw top tube. Store frozen and ship on dry ice.
55680	Parvovirus B19 Quantitative PCR, Plasma, Viracor	87799	PB19P	Lavender-top (EDTA) or yellow ACD tube - 2 ml. plasma, FROZEN. Minimum volume - 0.5 ml.	Centrifuge and transfer 2 ml. of plasma to a sterile, screw-top tube and FREEZE.
56566	Parvovirus B19 Quantitative PCR, Serum, Viracor	87799	PB19S	Red-top tube - 2 ml. serum, FROZEN.	Collect 4-5 mL whole blood in red top tube. Centrifuge and transfer 2 mL serum to sterile, screw top tube. FREEZE.
56592	Parvovirus B19 Quantitative Real-time PCR, Bone Marrow, Viracor	87799	PB19BM	Lavender-top (EDTA) tube - 2 ml. bone marrow. <b>FROZEN.</b> Minimum volume - 0.5 ml.	Store and transport frozen.
1276	PCP (Phencyclidine)	81050, 83992	PCP	Urine - 10 ml random urine in sterile specimen container	
32758	Pendred Syndrome	81479	PENS	Two (2) Lavender Tops - 10 ml whole blood	Room Temperature
27278	Pentazocine (Talwin)	80362	TALW	Red Top - 2 ml serum	Reject: Serum gel tube
41194	Pentobarbital	82205	BARB3	Red Top - 3 ml blood. Minimum required is 0.6 serum. Lavender and Green Top tubes also acceptable.	Collect specimen immediately prior to next dose unless specified otherwise. Reject: Serum gel tube, Gross Hemolysis, Lipemia
	Percent Reactive Antibody			See PRA	
34460	Pertussis Culture	87070, 87798			Please contact Acute Care/Healthplex locations for collection kit/instructions.
	PFA 100			See Platelet Function Test	
1557	PG (Phosphatidylglycerol)	84081	PGP	Submit amniotic fluid in sterile specimen container or stoppered syringe.	Deliver to lab ASAP. Do not centrifuge specimen.
1168 - Body Fluid; 1255 - Urine; 54386 - Stool	pH, Urine, Body Fluid, or Stool	83986	URINE - UPH; FLUID - FLPH; STOOL - PHSTL	2 ml body fluid or random urine in sterile specimen cup. 1 g. stool in sterile specimen cup,	
	Phencyclidine			See PCP	
1117	Phenobarbital	80184	PHENO	Red Top or serum gel tube - 3 ml serum. Minimum sample - 0.7 ml	If a red top tube is used, centrifuge, and transfer serum to a plastic transport tube.
43457	Phenytoin, Free	80186	FRPTN1	Red-top, lavender-top (EDTA), or green-top (heparin) tube - 3 ml. serum or plasma. Minimum volume - 1.5 ml. <b>Do not use a gel-barrier tube.</b>	Refrigerate. Reject: gel-barrier tube, hemolysis, lipemia.
1214	Phenytoin, Total (Dilantin)	80185	PTN	Red Top or serum gel tube - 3 ml blood, Pediatric minimum sample - 0.7 ml	If a red top tube is used, centrifuge and transfer serum to a plastic transport tube.
	Phosphatidylglycerol			See PG	
1643	Phosphatidylserine Antibody, IgG & IgM	86148 X 3	PHSE	Serum gel tube - 3 ml serum	
56982	Phospholipase A2 Receptor Autoantibodies, IgG	83516	PLA2R	Red-top tube or gel-barrier tube - 1 ml. serum, <b>FROZEN.</b> Minimum volume - 0.5 ml.	If a red top tube is used, centrifuge, and transfer serum to a plastic transport tube. The specimen should be frozen immediately and maintained frozen until tested. To avoid delays in turnaround time when requesting multiple tests on frozen samples, please submit separate frozen specimens for each test requested.
1577	Phosphorus	84100	PHOS	Green-top (lithium heparin) plasma gel tube - 1.0 ml plasma. Minimum sample required - 0.7 ml. plasma	
1254	Phosphorus, 24 Hr Urine	81050, 82570, 84105	PH24	Obtain jug for 24 hr collection; Requires container with no preservative.	

1374	Pinworm Exam	87172	PINW	Glass slide with clear cellophane tape from perianal area. Slide should be labeled with two patient identifiers and be placed in a slide transport device, or inside sterile cup for transport to prevent breakage.	Specimen should be collected early morning. Do not use frosted end of the slide. Do not use frosted tape. Using a 5 inch length of clear cellophane tape, press a segment of the sticky surface of the tape over the perianal area. Remove tape and attach sticky side down onto a clear glass slide. Specimen should be collected at night or early morning. Do not use frosted end of the slide. Do not use frosted tape.
32041	Pipecolic Acid	82543	PIPA	Lavender Top - 3.0 ml whole blood or 10.0 ml clean collected random urine	Deliver to lab ASAP. Reference Lab Clients: Centrifuge, separate and freeze plasma in plastic sendoff vial.
	Plasma Hemoglobin			See Hemoglobin, Plasma	
24049	Plasminogen Activator Inhibitor 1 (PAI-1) Activity	85415	PAI1	Blue-top (sodium citrate) tube-1 ml. plasma, <b>FROZEN</b>	Blood should be collected in a blue-top tube containing 3.2% buffered sodium citrate. Evacuated collection tubes must be filled to completion to ensure a proper blood to anticoagulant ratio. The sample should be mixed immediately by gentle inversion at least six times to ensure adequate mixing of the anticoagulant with the blood. When noncitrate tubes are collected for other tests, collect sterile and nonadditive (red-top) tubes prior to citrate (blue-top) tubes. Any tube containing an alternate anticoagulant should be collected after the citrate tubes. Centrifuge and carefully remove the plasma using a plastic transfer pipette, being careful not to disturb the cells. Transfer the plasma into a frozen specimen transport tube with screw cap. Freeze immediately and maintain frozen until tested. To avoid delays in turnaround time when requesting multiple tests on frozen samples, please submit separate frozen specimens for each test requested. Ideally, the patient should not be on anticoagulant therapy. Avoid warfarin (Coumadin®) therapy for two weeks prior to the test and heparin, direct Xa, and thrombin inhibitor therapies for about three days prior to testing. Do not draw from an arm with a heparin lock or heparinized catheter. Reject: Severe hemolysis; improper labeling; clotted specimen; specimen diluted with IV fluids; samples thawed in transit; improper sample type; sample out of stability.
19289	Plasminogen Activity	85420	PLSM1	Blue-top (sodium citrate) tube - 2 mL., <b>FROZEN</b> . Minimum volume - 1 ml.	Contact Hematology at 355-3455 prior to specimen collection to schedule testing.
1765	Platelet Aggregation Studies	85576x7	PAGG		
35179	Platelet Antibodies	86022x4	PLTAB1	Red Top - 2 ml serum. Minimum required volume is 0.5 ml serum.	Serum gel tube also acceptable. Serum must be separated from cells. Reference Lab Clients: Centrifuge, separate and refrigerate serum in plastic sendoff vial. Reject: Hemolyzed samples and serum not separated from red cells.
54632	Platelet Count	85049	PLTCT	Lavender Top - 3 ml whole blood. Pediatric minimum sample - 0.5 ml in Lavender microtainer tube.	
35479	Platelet Function Test (PFA 100)	85576	PFT	Two(2) blue-top (sodium citrate) tube and one (1) lavender	TIME SENSITIVE: Testing must be performed within 4 hours of collection. Call 5-3455 when test ordered
56981	PML-RARA Transcript Detection for Acute Promyelocytic Leukemia, Quantitative	81315	PMLRA1	Lavender-top (EDTA) tube or yellow-top (ACD-A) tube - 5 ml. whole blood. Minimum volume - 3 ml. or Bone Marrow - 2 ml. Minimum volume - 1 ml.	Reject: Specimen more than 48 hours old; clotted blood.
5518	PM-SCL Antibody Identification	86331	PMSCL	Red Top - 1 ml serum	Reject: Serum gel tube
43588	Pneumococcal Antibody Panel (23 Serotype) Viracor	86317x23	PAB23V	Red-top tube - 1 ml. serum.	Room temperature.
56573	Pneumococcal Avidity Panel (23 Serotype), Viracor	86317	PC23V	Red-top tube - 1 ml. serum.	Room temperature. Transfer serum to a plastic transport tube.
54614	Pneumocystis jiroveci Quant PCR, BAL, Viracor	87799	PJBAL	BAL - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
54615	Pneumocystis jiroveci Quant PCR, Bronch Wash, Viracor	87799	PJBRON	Bronch wash - 2 ml., FROZEN. Minimum volume - 0.5 ml.	Collected in a sterile, screw top tube and FROZEN.
54616	Pneumocystis jiroveci Quant PCR, Whole Blood, Viracor	87799	PJWB	Lavender-top (EDTA) or yellow ACD tube - 2 ml. whole blood. Minimum volume - 0.5 ml.	Must be received by testing laboratory within 96 hours of collection.
1676	Pneumocystis Smear DFA	87281	PCPD	Submit fresh bronchial washings or brush biopsy. Do not use preservatives or additives.	Deliver to lab ASAP. Refrigerate at 2 - 8° C, if transport is delayed more than 2 hours. Transport specimen under refrigerated conditions.
22925	Poliovirus Antibodies	86658	POLIO	Serum gel tube - 5 ml serum	Reject: Lipemia, Hemolysis
	Polymyositis			See JO Antibody	
43369	POMPE Disease (Acid Maltase)	82657, 84165	POMP	Lavender Top (EDTA) - 5ml whole blood	Collect on Monday -Thursday only. Do not ship on Fridays; no weekend deliveries accepted. Whole blood sample must be shipped overnight with a cold pack. Refrigerate whole blood until ready to ship.
37318	Porphobilinogen (PBG), Quantitative, Random Urine	84110	YYPQU	Urine (random), <b>frozen and protected from light</b> - 3 ml. Minimum volume - 1 ml.	Acidify sample with 0.5 ml of 30% glacial acetic acid. <b>Freeze immediately in an amber transport tube.</b>
1159	Porphobilinogen, 24 Hr Urine	81050, 84110	UP24	Obtain jug for 24 hr collection; Requires container with acetic acid preservative.	Protect from light. Aliquot must be frozen immediately.
38874	Porphyryns (Includes Coproporphyrins and Uroporphyrins), 24 hr	81050, 84120	POQU1	Obtain jug for 24 hr collection; Requires container with no preservative.	Protect from light. Refrigerate aliquot.
43582	Posaconazole, Serum, Viracor	80299	PSCZS	Red-top tube - 1 ml. serum, FROZEN	Allow to clot for 30-60 minutes, centrifuge, and transfer serum to a screw top transport tube and FREEZE. DO NOT USE A GEL TUBE.
1375	Potassium, 24 Hr Urine	81050, 82570, 84133	K24	Obtain jug for 24 hr collection; Requires container with no preservative.	

1015	Potassium, Serum	84132	K	Green-top (lithium heparin) plasma gel tube - 1 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet	Reject: Hemolysis
57013	Potassium, Stool	84999	KSTL	Stool - 5 g. in sterile, screw top container.	Refrigerate.
1624	Potassium, Urine	84133	KU	Urine - 2 ml random urine in sterile specimen container See Anti - Proteinase 3 Antibody	
21339	PRA by Flow Cytometry (Percent Reactive Antibody)	86628	PRABF	Red Top - 5 ml serum. Minimum specimen - 3.0 ml	Room Temperature
9976	Prader-Willi Syndrome	Call Client Services	PWSM1	Lavender Top - 5 ml whole blood. Pediatric minimum volume - 2.0 ml	Keep specimen at room temperature. Do not combine with other test codes. Please submit a separate specimen for each genetic test requested.
1521	Prealbumin	84134	PALB	Serum gel tube - 1 ml serum	
41531	Pregabalin (Lyrica)	80366	PREGB	Red Top Tube - 1 ml. serum. <b>Gel barrier tubes are not recommended.</b>	Serum should be separated from cells within two hours of venipuncture. Submit serum in a plastic transport tube at room temperature. <b>Reject: Gel-barrier tubes.</b>
1626	Pregnenolone (17 - Hydroxy)	84140	PREGN	Red Top - 2 ml serum	Reject: Serum gel tube
	Primidone			See Mysoline	
43395	Pro Inflammatory Panel	83520 (x4)	PROINF	EDTA (Lavendar) or ACD (Yellow) Top Tube - 4-5 ml. whole blood See NT-proBNP	Collect 4-5 ml. whole blood in EDTA or ACD tube, centrifuge and transfer 2 ml. plasma to sterile, screw-top tube. FREEZE and ship on dry ice Monday through Friday. Specimen must be received within 96 hrs. of collection.
38585	Procainamide (Pronestyl), includes NAPA	80192	PRONAP	Serum gel tube - 3 ml blood, Pediatric minimum sample - 0.7 ml	
45162	Procalcitonin	84145	PROCAL	Red-top or serum gel tube - 1 ml. serum, FROZEN. Minimum volume - 0.5 ml. serum, FROZEN.	Separate serum or plasma from cells and transfer to a plastic transport tube before freezing. <b>To avoid delays in turnaround time when requesting multiple tests on frozen samples, please submit separate frozen specimens for each test requested.</b>
1352	Progesterone	84144	PRO	Serum gel tube - 3 ml serum	
28694	Prograf	80197	FK506T	Lavender Top - 3 ml whole blood. Minimum volume - 1.0 whole blood.	
1897	Proinsulin	84206	PROI	Red top or serum gel tube - 1 ml serum, <b>FROZEN.</b>	Baseline proinsulin levels should be collected after a 12-hour fast. Centrifuge, separate serum and transfer into a frozen specimen tube with screw cap. <b>Freeze immediately</b> and maintain frozen until tested. To avoid delays in turnaround time when requesting multiple tests on frozen samples, please submit separate frozen specimens for each test requested.
8621	Prolactin	84146	PROL	Serum gel tube - 3 ml serum Red-top or serum gel tube - 2.0 ml. serum.	
22631	Prolactin, PEDIATRIC	84146	LLPRL	Minimum volume - 0.5 ml. See Fluphenazine	Order on patients less than 18 years of age. If a red top tube is used, transfer separated serum to a plastic transport tube.
	Prolixin			See Procainamide	
2258	Propafenone (Rythmol)	82491	NNRHYT	Red Top - 3 ml serum	Reject: Serum gel tube
45508	Prostaglandin D2, 24 Hr. Urine	84150	PGD24	Urine - 50 ml. aliquot of 24 hour specimen in a sterile, screw cap container. <b>FROZEN.</b>	No preservative required.
	Prostate Specific Antigen			See PSA	
42973	Protein Battery, Urine	82570, 84156	TPUBAT	Urine - 5ml random urine in sterile specimen container. Minimum volume - 1.0 ml. urine.	
1894	Protein C Activity (Functional)	85303	CPRO	Two (2) Blue-top (sodium citrate) tubes	Deliver to lab ASAP. Reference Lab Clients: Centrifuge, separate and freeze plasma in plastic sendoff vial. If Protein S is also ordered, it is acceptable to collect two tubes for both tests. Causes for Rejection: Severe hemolysis; improper labeling; clotted specimen; specimen diluted with I.V. fluids; samples thawed in transit; improper sample type; sample out of stability
1731	Protein Electrophoresis, Random Urine	84156, 84166	RPEUN	Urine - 10 to 20 ml. random urine in sterile specimen container. Obtain jug for 24 hr collection;	Reference Lab Clients: Urine specimens should be submitted within 3 days of collection. Specimens greater than 3 days old will be rejected.
1648	Protein Electrophoresis, 24 Hr Urine	81050, 84166	PEU24	Requires container with no preservative.	
58582	Protein Electrophoresis, Serum	84165, 84155	SPEP2	Serum gel tube - 2 ml serum	
1896	Protein S Activity (Functional)	85306	SPRO	Two (2) Blue-top (sodium citrate) tubes	Deliver to lab ASAP. Reference Lab Clients: Centrifuge, separate and freeze plasma in plastic sendoff vial. If Protein C is also ordered, it is acceptable to collect two tubes for both tests.
38013	Protein S, Free and Total	85305, 85306	PROTS	Two (2) Blue-top (sodium citrate) tubes	Deliver to lab ASAP. Reference Lab Clients: Centrifuge, separate and freeze plasma in plastic sendoff vial. If Protein C is also ordered, it is acceptable to collect two tubes for both tests.
1649	Protein, 24 Hr Urine, Total	81050, 84156	TP24	Obtain jug for 24 hr collection; Requires container with no preservative.	
1333	Protein, Total	84155	TP	Green-top (lithium heparin) plasma gel tube - 1.0 ml plasma. Minimum sample required - 0.7 ml. plasma	

33737	Protein, Total (CSF)	84157	CSFP1	CSF- 1.0 ml in sterile specimen container	
31763	Prothrombin Fraction 1 & 2	83520	PF12	Blue-top (sodium citrate) tube - 2.7 ml whole blood.	Deliver to lab ASAP. Reference Lab Clients - Centrifuge, separate and freeze plasma in plastic sendoff vial.
	Prothrombin Time			See PT	
1882	Protoporphyrin	84202	PROTO	Royal blue-top (EDTA) submit original tube. Volume: 5 ml. Minimum volume: 0.2 ml. Requires whole blood	Submit original tube as whole blood. Reject: Clotted specimen, frozen specimen.
	Prozac			See Fluoxetine	
1537	PSA (Prostate Specific Antigen)	84153	PSA	Serum gel tube - 3 ml serum	
9955	PSA, Free & Total	84153, 84154	PSAFT	Serum gel tube - 3 ml serum. Red Top tube also acceptable.	
55676	PT (Prothrombin Time)	85610	PTNINR	Blue-top (sodium citrate) tube - 2.7 ml whole blood.	Reference Lab Clients - Deliver whole blood specimen to lab at room temperature within 24 hours of collection. If this test is ordered with a PTT, plasma from a blue top (sodium citrate) tube that has been separated and frozen is also acceptable..
56992	PTEN Sequencing Test	81321	PTENSQ	Lavender Top - 5 ml whole blood	
19584	PTH - Related Peptide	83519	PTHRP	Lavender Top (EDTA) tube - 1 ml. plasma, <b>FROZEN</b> . Minimum volume - 0.5 (Note: This volume does not allow for repeat testing.)	Collect into chilled or pre-frozen plastic lavender top (EDTA) tube, noting the time of collection. After venipuncture, immediately invert tube several times to ensure complete mixture. Separate plasma into a plastic vial and freeze within 15 minutes of collection. To avoid delays in turnaround time when requesting multiple test on frozen sample, please submit separate frozen specimens for each test requested.
19223	PTH (Parathyroid Hormone), Intact	83970	PTHI	Lavender Top - 5 ml whole blood. Red Top not acceptable	<b>In House Patients:</b> Centrifuge, separate plasma and refrigerate. Plasma is stable refrigerated for 48 hours. <b>Reference Lab Clients:</b> Centrifuge, separate plasma, and <b>FREEZE</b> in a plastic transport tube.
22088	PTT (Partial Thromboplastin Time)	85730	APTT	Blue-top (sodium citrate) tube - 2.7 ml whole blood.	Deliver to lab ASAP. Reference Lab Clients: Centrifuge, separate and freeze plasma in plastic sendoff vial.
8211	Pyrazinamide Level	80101	PYRA	Red Top - 2 ml serum	Deliver to lab ASAP. Reference Lab Clients: Centrifuge, separate and freeze serum in plastic sendoff vial.
1057	Pyruvate Kinase	84220	PKRB	Lavender Top - 3 ml whole blood. Pediatric minimum sample - 1.0 ml.	
27283	Pyruvate, CSF	84210	PYACC	CSF - 0.5 ml	Specimen should be clear and not bloody.
1939	Pyruvic Acid	84210	PYAC	Gray Top - 5.0 ml whole blood. Minimum sample - 2.0 ml.	Deliver to lab on wet ice. Patient must be fasting 8 -12 hours and relaxed. <b>Reference Lab Clients: Patients should report to a Patient Service Center located at an Acute Care Facility for specimen collection.</b>
43394	Quantiferon TB Gold, Incubated (Interferon-Gamma Release Assay)	86480	TBPLUS	Quantiferon Test Kit	Refer to collection instructions included with draw kit. Specimens must be received in the laboratory the same day of collection. Causes for rejection: Specimen centrifuged, refrigerated, or frozen; specimen received >13 hours after collection.
33527	Quinidine	80194	QUIN1	Red Top - 1 ml serum	Reject: Serum gel tube, hemolysis, icterus, lipema
	<b>RAS NGS - See Extended RAS Panel by NGS</b>				
49752	Rabies Antibody Screen for Immunity Status	86382	RABIES	Red Top - 1 ml serum	Reference Lab Clients: Centrifuge, separate and refrigerate serum in plastic sendoff vial within 45 minutes.
	Rapamune			See Sirolimus	
1839	RBC Acetylcholinesterase	82013	RBCA	Lavender Top - 5 ml whole blood	
1520	RBC Folate	82747	RFOLA	Two (2) Full Lavender Top (EDTA) tubes	Patient Preparation: Verify that the patient has not had vitamins containing folic acid during the previous three to five days; if so, consult physician. <b>Transfer 4 mL from one whole blood tube into a plastic transport tube and freeze. Refrigerate second whole blood tube. Storage Instructions: Freeze whole blood transport tube and refrigerate whole blood specimen.</b> Reject: No frozen whole blood; no refrigerated whole blood.
	RBC Fragility			See Osmotic Fragility	
29274	RBC Plasmalogen	82492	RBCP	Lavender Top - 3 ml whole blood	Do not refrigerate or freeze serum; Room temperature only.
9264	Recombx Mata Autoantibody	84182	MATA	Serum gel tube - 2 ml serum	Sample must be collected Monday - Thursday only.
34183	Renal Profile with GFR - Includes Basic Metabolic Package, Albumin, and Phosphorus	80069	RENALG	Green-top (lithium heparin) plasma gel tube - 1.0 ml plasma. Minimum sample required - 0.7 ml. plasma	
1635	Renin Activity (Passive or Active)	84244	RENA	Prechilled Lavender Top - 5 ml . This is a strict frozen and should not be combined with any other tube requiring a lavender tube. Plasma. frozen.	Active sample should be drawn after patient has been upright for one(1) hour. Passive sample should be drawn after patient has been supine for at least 30 to 45 minutes. Deliver to lab ASAP on wet ice. Reference Lab Clients: Centrifuge, separate and freeze specimen in plastic sendoff vial.
43480	Renin Activity and Aldosterone	84244, 82088	REALD	Red top or serum gel tube - 1 ml. serum AND lavender-top EDTA tube - 1 ml. plasma, <b>FROZEN</b> . Minimum volumes- 0.5 ml. serum and 0.8 ml. plasma.	After collection, immediately centrifuge the lavender-top tube at room temperature, transfer plasma to a transport tube, and freeze immediately. Label this tube "frozen plasma-renin." If a red-top tube is used, transfer separated serum to a plastic transport tube. Label the serum tube "serum-aldosterone." Refrigerate serum. <b>FREEZE</b> plasma.



55679	Respiratory Viral Panel (RVP) TEM-PCR, BAL, Viracor	87632	RVPCR	BAL - 2 ml., FROZEN.	Collected in a sterile, screw top tube and FROZEN.
41450	Respiratory Viral Panel (RVP) Fast PCR	87633	RPP	Flocked swab, nasal washing, bronch wash or sputum in Viral Transport Media.	Deliver to lab ASAP. Freeze sample for storage and transportation. <b>Inpatient testing only. Reference Lab Clients order DFAR</b>
1071	Reticulocyte Count	85045	RETIC	Lavender Top - 3 ml whole blood. Pediatric minimum sample - 0.5 in Lavender Top bullet.	
	Reverse T3			See T3, Reverse	
	RFT (Rheumatoid Factor)			See Rheumatoid Arthritis Factor	
	Rh Immune Globulin (Rhogam)			Refer to ABO and RH	
2257	Rheumatoid Arthritis (RA) Factor	86431	NNRAF	Red-top or serum gel tube - 1 ml. serum. Minimum volume - 0.5 ml. serum.	If a red-top tube is used, centrifuge and transfer serum to a plastic transport tube. Reject: hemolysis, lipemia.
30603	Ribosomal P Antibody	83516	RPA	Serum gel tube - 1 ml serum	
8210	Rifampin, Serum	80299	RIFA	Serum gel tube - 1 ml serum	Protect from light. Reference Lab clients- Centrifuge, separate and freeze serum in dark sendoff vial.
32173	Ristocetin Cofactor	85245	RIST1	Blue-top (sodium citrate) tube - 2.7 ml whole blood.	Deliver to lab ASAP. Reference Lab Clients: Centrifuge, separate and freeze plasma in plastic sendoff vial within four (4) hours of collection. Reject: Hemolysis, Lipemia, Underfilled Blue Top
43400	RNA Polymerase 3 AB IgG	83520	RNAPOL	Red Top or Serum gel tube - 1 ml serum Minimum volume - 0.5 ml.	Centrifuge and separate serum within 2 hours of collection. Refrigerate.
	<i>Rochalimaea</i> Antibody			See <i>Bartonella</i> Antibody	
36577	Rocky Mountain Spotted Fever IgG by IFA (RMSF, Weil Felix)	86757	RMSF2	Serum gel tube - 3 ml serum.	
1300	Rotavirus Enzyme Immunoassay	87425	ROTV	Submit fresh stool sample in sterile specimen container. Do not use preservative or additive.	Diapers and swabs are not acceptable. Submit to the lab within 48 hours of collection
	RSV (Respiratory Syncytial Virus)			See DFA - Respiratory Syncytial Virus	
1046	Rubella, IgG	86762	RUB	Serum gel tube - 2 ml serum	
1848	Rubeola AB-IgG	86765	RUBG	Serum gel tube - 2 ml serum	
2269	Rubeola Antibodies, IgM	86765	NNRUM	Red-top or serum gel tube - 1.0 ml. serum. Minimum volume - 0.5 ml.	Refrigerate. If a red-top tube is used, centrifuge and transfer serum to a plastic transport tube. Reject: Hemolysis, lipemia, gross bacterial contamination.
57482	Rufinamide, Serum or Plasma	80339	RUFIN	Red top or green top (sodium heparin) tube - 2 ml. serum or plasma. Minimum volume - 0.5 ml. <b>Note: Gel-barrier tubes not recommended.</b>	Serum or plasma should be separated from cells within two hours of venipuncture. Centrifuge and transfer serum or plasma to a plastic transport tube.
27280	Saccharomyces cervisiae Panel	86671x2	SACC	Serum gel tube - 1 ml serum	Reject: Hemolysis, Lipema
1334	Salicylate	80196	SALI	Serum gel tube - 3 ml blood, Pediatric minimum sample - 0.7 ml	
	Sandimmune			See Cyclosporine	
1436	Scleroderma Antibody	86235	SCL70	Red Top or Gel tube - 1 ml serum	Reject - Hemolysis, Icterus, Lipemia
56997	SCN9A Gene Sequencing, GeneDx	81479	SCN9A	Lavender top (EDTA) tube - 5 ml. whole blood	<b>Requires completed GeneDx requisition form.</b>
1747	Selenium	84255	SELE	Royal blue-top (EDTA) tube or royal blue-top (without EDTA) tube - 2 ml serum or plasma. Minimum volume - 0.6 ml.	Plasma MUST be separated from cells within 45 minutes of collection and transferred to a certified metal free transfer tube. Reject: Certified metal-free plastic transport tube not submitted. Maintain specimen at room temperature
	Semen Analysis			Contact Andrology Lab at 704-355-9460 for specimen collection and testing information.	
38849	Sensorimotor Neuropathy Profile	86255x3, 83520x8	SMNP1	Serum gel tube - 2 ml serum	
1889	Serax (Oxazepam)	80346	SERAX	Red Top - 2 ml serum	Reject: Serum gel tube
32069	Serotonin	84260	SERO	Red Top - 1 ml serum	Reject: Serum gel tube, Plasma, Specimens not frozen. Reference Lab Clients: Centrifuge, separate and freeze serum with 4 hours of collection.
43458	Serotonin Releasing Assay	82542x2	SRA1	Serum gel tube - 1.0 ml. serum, FROZEN Minimum volume - 0.5 ml.	Transfer serum to a plastic transport tube. Freeze. To avoid delays in turnaround time when requesting multiple tests on frozen samples, <b>Please submit separate frozen specimens for each test requested.</b> Reject: Specimen at room temperature.
26535	Sertraline (Zoloft)	82542	ZOL	Red Top - 2 ml serum	Reject: Serum gel tube
19267	Sex Hormone Binding Globulin	84270	SHBG	Red Top or serum gel tube - 1 ml serum. Minimum volume 0.5 ml.	If a red-top tube is used, transfer separated serum to a plastic transport tube. Reject: Citrate plasma specimen; EDTA plasma specimen.
	SGOT			See AST	
	SGPT			See ALT	
1077	Sickle Cell Prep	85660	SICKLE	Lavender Top - 3 ml whole blood. Pediatric minimum sample - 1.0 ml	

28693	Sirolimus (Rapamycin, Rapamimmune)	80195	SIROMS	Lavender Top - 1.0 ml whole blood	
1048	Sjogren's Antibodies (SSA & SSB)	86235x2	SJAB	Serum gel tube - 2 ml serum	
16208	Skeletal / Striated Muscle Antibody	86255	SKMAB	Red Top - 2 ml serum	Reject: Serum gel tube
19307	SLE Profile A (Systemic Lupus Erythematosus)	86225, 86235x5, 86431	SLPA	Serum gel tube - 4 ml serum	
29737	Smear, Fungus Special	87206	FUSS	Vaginal swab or discharge from area in sterile cup or tube with less than 1ml of saline. No wooden swabs.	Test performed in Microbiology in place of wet prep. Most often ordered in conjunction with GRAM (for BV) and TRCHAG.
1020	Sodium	84295	NA	Green-top (lithium heparin) plasma gel tube - 2 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	
57920	Sodium, Feces	84302	NASTL	Stool - 5 g. liquid, random stool, in a screw cap stool container.	Do not send formed stool. Do not add saline or water to liquefy specimen. Refrigerate.
1273	Sodium, 24 Hr Urine	81050, 82570, 84300	NA24	Obtain jug for 24 hr collection; Requires container with no preservative.	
1274	Sodium, Urine (Spot)	84300	NAU	Urine - 2 ml random urine in sterile specimen container	
57496	Soluble IL – 2R	83520	IL2R1	Lavender EDTA - 3mL. Minimum volume - 1mL	Samples must be shipped overnight to arrive Monday through Thursday for Priority Overnight delivery. Recommend collecting the specimen between noon and 1600 to ensure time for delivery. <b>Cincinnati Children's requisition must accompany specimen with clinical history filled out by the Physician, RN, or Genetic Counselor.</b>
19305	Soluble Transferrin Receptor	83520	STR	Serum gel tube - Lavender Top or Green Top - 1 ml serum or plasma.	Reject: Hemolysis
1588	Somatomedin C	84305	SOMA	Serum gel tube - 2 ml serum	
1275	Specific Gravity, Urine	81003	USPG	Urine - 2 ml random urine in sterile specimen container	
8311	Spinal Muscular Atrophy (SMA) DNA Test	81401	SMA	Two (2) Lavender Tops - 10 ml whole blood	
	SSA and SSB Antibodies			See Sjogren's Antibodies	
35481	SSOP Class I SSOP Molecular Typing	81372	SSOPI	2 lavender-top (EDTA) tubes or 1 yellow-top (ACD) tube. Minimum volume – 1 ml. whole blood for normal white cell count.	Specimens may be stored at room temperature or refrigerated at 4°C. <b>NOTE: Green-top tubes (sodium or lithium heparin) may inhibit the PCR reaction.</b>
35480	SSOP Class II Molecular Typing	81375	SSOPII	2 lavender-top (EDTA) tubes or 1 yellow-top (ACD) tube. Minimum volume – 1 ml. whole blood for normal white cell count.	Specimens may be stored at room temperature or refrigerated at 4°C. <b>NOTE: Green-top tubes (sodium or lithium heparin) may inhibit the PCR reaction.</b>
43459	Stool for Electron Microscopy	88348	EMST	Stool - 1 ml. submitted in sterile specimen cup	Keep the specimen cold; DO NOT FREEZE; transport immediately; DO NOT place into transport media; DO NOT dilute; DO NOT fix. Place specimen into a puncture-resistant container.
	Stool for WBC			See Lactoferrin, Fecal	
38691	Stool Screen for VRE	87046	SVRE	Submit stool specimen in clean specimen container. Rectal swab.	For epidemiology purposes only. Submit to the lab within 48 hours of collection. Diapers are not acceptable. Household storage containers are not acceptable.
1216	Strep Screen, Throat for Group A Strep	87880	THSC	Liquid Stuart's Swab with red-top, double swab. Negative Screens will be reflexed to STREPA culture with second swab that will be sent to Microbiology	Testing performed at Acute Care/Healthplex locations only. <b>Reference Lab clients should order STREPA.</b>
3469	Strep Screen, Group B Strep	87081	BBS	Vaginal/Rectal swab collected on pregnant patients between 35-37 weeks.	Submit to the lab within 48 hours of collection
	Streptozyme			See ASO Titer	
28176	Strongyloides, IgG Antibody, Qualitative	86682	STRON	Serum gel tube - 1 ml. serum. Minimum volume - 0.2 ml. serum.	Refrigerate. Serum is stable for one week refrigerated at 2°C to 8°C.
1090	STS (Serological Test for Syphilis)	86592	STS	Serum gel tube or Red Top - 2 ml serum. Lavender Top, Green Top, Blue-top (sodium citrate) tube also acceptable - 3 ml whole blood. Pediatric minimum sample - 1.0 ml serum or plasma.	Titer is performed on all positive specimens.
8612	Sulfatide Antibody	86318	SULFA	Red Top - 3 ml serum	Reject: Serum gel tube
1384	Sweat Chloride	89230x2	SWCLA	Call Chemistry at 704-355-5809 at least 24 hours in advance to schedule testing.	
	Swineherds Disease			See Leptospiral Antibodies	
	Synovial Fluid for Crystal Exam			See Crystal Exam	
	Systemic Lupus Erythematosus			See SLE Profile A	

43572	T Cell Function Viracor	86353x2	TCFX1	Green-top (sodium heparin) tube - 8 ml. whole blood.	Collect and ship in original sodium heparin vacutainer. (DO NOT USE lithium heparin, ACD tubes or EDTA anticoagulants.) Due to time constraints of the T Cell FX™ assay, samples need to be collected between the hours of 11am and 2pm, Monday-Thursday. Do not collect on days when a holiday follows the collection date. Ship via priority overnight courier at ambient temperature.
	T Cell Rearrangement	81342	TCRPCR	Paraffin embedded tissue, fresh tissue, frozen tissue, bone marrow or whole blood. For slides, ten(10) unstained slides at 4 micrometer.	Rejection :Unacceptable specimens include de-calcified bone marrow blocks or shaved blocks, specimens stained with dye containing glutaraldehyde (usually blue from most manufacturers).
57267	T Cell Subset Analysis	86359, 86360	TCSUBA	Lavender Top (EDTA) tube - 4 ml. whole blood, Preferred specimen. Minimum volume - 1 ml. Green top (sodium or lithium heparin) is also acceptable.	Transport and analyze at room temperature. Specimens must be tested within 96 hours of collection.
8656	T3 Uptake	84479	T3U	Serum gel tube - 1 ml serum	
40992	T3, Free	84481	EET3F	Serum gel tube - 2 ml serum	
1838	T3, Reverse	84482	RT3	Serum gel tube (SST) or Red Top - 3 ml serum	If red top is used, transfer separated serum to a plastic transport tube.
8611	T3, Total	84480	T3U	Green-top (lithium heparin) plasma gel tube - 1 ml plasma.	
8613	T4, Free	84439	FT4	Green-top (lithium heparin) plasma gel tube - 1 ml plasma.	
8666	T4, Total (Thyroxine)	84436	T4	Green-top (lithium heparin) plasma gel tube - 1 ml plasma.	
	T4/T8 Ratio			See Lymphocyte Subset	
	Tacrolimus (FK506T, Prograf)			See Prograf	
	Talon			See Brodifacoum	
	Talwin			See Pentazocine	
	Tay Sachs, Serum			See Hexosaminidase A	
1841	TBG (Thyroxine Binding Globulin)	84442	TBG	Serum gel tube - 1 ml serum	
32182	TBX5 Mutation Analysis	81405	TBX5	Lavender Top - 5 ml whole blood	
	Tegretol			See Carbamazepine	
27956	Testosterone, Free	84402	LLTSF	Serum gel tube - 2.0 ml serum	Analysis of free testosterone
1479	Testosterone, Free and Weak	84402, 84403	TESTFW	Serum gel tube or Red Top - 1.2 ml serum	Measurement of free and weakly bound testosterone (bioavailable testosterone) in males and females
62306	Testosterone, Total	84403	TESTAM	Serum gel tube - 2.0 ml serum	Analysis of testosterone in adult males. Refrigerate
43403	Testosterone, Ultrasensitive	84403	TESTUL	Serum gel tube - 2 ml. serum	Useful for monitoring androgen suppression therapy and prostate cancer. Not recommended for testing of normal males or males on testosterone treatment.
39169	Testosterone, Women and Children	84403	PEDTES	Serum gel tube - 2 ml. serum	Order on women, children, adolescents, and hypogonadal men only.
				Minimum volume - 0.5 ml.	
30734	Tetanus Anti Toxoid IgG Antibody	86317	TEAB	Serum gel tube - 1 ml serum	Reject: Hemolysis, Lipemia
	Tetra Test			See Maternal Screen, Tetra	
21429	Tetrahydrobiopterin (Neopterin)	82492	THBN	CSF- 0.5 ml in sterile specimen vial	Deliver to lab ASAP.
26531	Thallium, Urine 24 Hr	83018	THALU	Obtain jug for 24 hr collection; Requires container with no preservative.	
1247	Theophylline (Aminophylline, Theodur)	80198	THEO	Serum gel tube - 3 ml blood, Pediatric minimum sample - 0.7 ml	
	Thiamine			See Vitamin B1	
1524	Thiocyanate	84430	TCYAN	Red Top - 3 ml serum	Reject: Serum gel tube
				Lavender-top (EDTA) tube - 3 ml. whole blood.	
58460	Thiopurine Metabolites 6MP	80299	TPMB1	Minimum volume - 1 ml. whole blood does not allow for repeat testing.	Collect blood in lavender-top (EDTA) tube only. Gently invert to mix. Submit whole blood refrigerated. Do not separate specimen. Do not freeze. Reject: Frozen specimen; specimen not EDTA whole blood; gross hemolysis.

58452	Thiopurine Methyltransferase (TPMT) Genotyping	81335	TPMTG	Lavender-top (EDTA) or green-top (heparin) tube - 3 ml. whole blood. Minimum volume - 1.5 ml. whole blood	Maintain specimen at room temperature. Reject: Frozen sample; hemolysis. Test orders for TPMT Genotyping must include an attestation that the provider has the patient's informed consent for genetic testing.
40937	Thiopurine Methyltransferase (TPMT), Enzyme Activity, Erythrocytes	82657	EETRBC	2 Lavender-top (EDTA) or green-top (sodium heparin) tubes - 8 ml. whole blood. Minimum volume - 5 ml.	Refrigerate. Reject: Frozen specimen; gross hemolysis.
1890	Thorazine	84022	THORA	Red Top - 3 ml serum	Reject: Serum gel tube
	Throat Screen for Strep			See Culture, Throat Screen	
38511	Thrombin Time	85670	THTM	Blue-top (sodium citrate) tube - 2.7 ml whole blood	Fill tube to full capacity and invert to mix 6 times. Centrifuge tube, aliquot plasma, transfer to plastic transport tube and FREEZE. Avoid warfarin (Coumadin®) therapy for 2 weeks and heparin therapy for 2 days prior to the test. Do not draw from an arm with a heparin lock or heparinized.
43476	Thyroglobulin with Antithyroglobulin Antibody	43476	THYR1	2 Serum gel tubes - 3 ml. serum. Minimum volume - 2 ml.	Collect two (2) serum gel tubes. Separate serum from cells, and transfer specimen to a plastic transport tube. Maintain at room temperature. Thyroglobulin antibody (TgAb) testing is performed on all samples. If TgAb is negative, serum thyroglobulin is measured by a sensitive IMA with a relatively rapid turnaround time, generally two to three days. If TgAb is positive, serum thyroglobulin is measured by an RIA method. This RIA is resistant to interference by TgAb but has a turnaround time of five to seven days.
8660	Thyroid Profile (Includes Free T4 and TSH)	84439, 84443	THP	Green-top (lithium heparin) plasma gel tube - 1 ml plasma.	
	Thyroid Stimulating Hormone			See TSH	
19233	Thyroid Stimulating Immunoglobulin (TSI)	84445	TSI	Serum gel tube - 2 ml serum	
19306	Thyrotropin Receptor Antibody	83520	TRAB	Serum gel tube - 2 ml serum	
	Thyroxine			See T4, Total	
	Thyroxine Binding Globulin			See TBG	
	Tiagabine			See Gabitril	
	Tissue Transglutaminase			See Celiac Disease Antibody Profile	
51879	Titanium, Whole Blood	83018	TITANB	Royal blue-top (EDTA) tube metal-free tube - 2 ml. whole blood. Minimum volume - 0.5 ml. whole blood.	Refrigerate.
41745	Tobramycin	80200	EERTOBS	Serum gel tube - 3 ml blood, Pediatric minimum sample - 0.7 ml	Collection Guidelines: Q 8 hr. dosing: Trough should be drawn 6 hours or more after the end of the last infusion. Peak should be drawn 15-30 minutes after the end of the last infusion. Q 12 hr. dosing: Trough should be drawn 8 hours or more after the end of the last infusion. Peak should be drawn 15-30 minutes after the end of the last infusion.
1338	Tocanide (Tonocard)	82491	TOCA	Red Top - 3 ml serum	Reject: Serum gel tube
	Tofranil			See Imipramine	
	Tonocard			See Tocanide	
19269	Topiramate (Topamax)	80201	TOPA	Red Top, Lavender Top or Green Top - 0.3 to 1 ml serum	Reject: Serum gel tube
1722	Toxoplasma Gondii by PCR, Amniotic Fluid	81260	TOXGP	Submit 2.0 ml amniotic fluid in sterile container or stoppered syringe.	
40947	Toxoplasma gondii Quant PCR, Whole Blood, Viracor	87799	TOXOWB	Lavender-top (EDTA) tube - 4 to 5 ml. whole blood. Minimum volume - 0.5 ml.	Must be received by testing laboratory within 96 hours of collection.
56988	Toxoplasma Gondii Quantitative Real-time PCR, Aqueous Fluid, Viracor	87799	TOXOAQ	Aqueous fluid - 1 ml. in a sterile screw top tube, <b>FROZEN</b> . Minimum volume - 0.5 ml.	Transfer collected amount to sterile, screw top tube for transport. Do not add water, saline or other fluid media to container. Do not send specimen in syringe.
2290	Toxoplasma IgG Antibody, CSF	86777	TOXOC	Submit 1.0 ml CSF fluid in sterile container or stoppered syringe.	<b>Specimen must be labeled plainly as "Acute" or "Convalescent"</b>
3448	Toxoplasma Titer, IgG & IgM	86777, 86778	TOXOS	Serum gel tube - 3 ml serum. Red top tube is also acceptable.	If a red-top tube is used, centrifuge and transfer serum into a plastic transport tube.
	TPO			See Antithyroid Peroxidase Antibody	
	Transferrin			See Iron Binding Profile	
	Transferrin Isoelectric Focusing			See Carbohydrate Deficient Transferrin	
	Trazodone			See Desyrel	
39178	Trichomonas Antigen	87808	TRCHAG	Vaginal swab or discharge from area in sterile cup or tube with less than 1ml of saline.	Swabs with wooden shafts should not be used. <b>THIS TEST IS FOR USE ON SYMPTOMATIC FEMALES ONLY.</b>

1532	Triglyceride	84478	TRIG	Green-top (lithium heparin) plasma gel tube - 1 ml plasma.	Patient must be fasting 8-12 hours
	Tri-iodothyronine			See T3	
	Trileptal			See Oxcarbazepine	
	Triple Test			See Maternal Screen, Triple	
19225	Troponin I	84484	TROPI	Green-top (lithium heparin) plasma gel tube - 2 ml. plasma.	Reference Lab Clients - Centrifuge, separate and freeze plasma within two (2) hours of collection. Must ship frozen.
38842	Trypanosoma Cruzi Antibody IgG	86753	TRYPG	Serum gel tube - 2 ml serum	
38843	Trypanosoma Cruzi Antibody IgM	86753	TRYPM	Serum gel tube - 2 ml serum	
30602	Trypsin, Serum	83519	TRYP	Red top or serum gel tube - 1 ml serum, FROZEN. Minimum volume - 0.5 ml.	Centrifuge and transfer serum into a frozen specimen transport tube and freeze immediately. Maintain frozen until tested.
2292	Tryptase	83520	TRYPT	Serum gel tube - 1 ml serum Minimum volume - 0.3 ml. (this volume does not allow for repeat testing)	Separate serum from cells and transfer to a plastic transport tube. Refrigerate. Stable 14 days refrigerated. Causes for rejection: Gross hemolysis or lipemia,
8608	TSH (Thyroid Stimulating Hormone)	84443	TSH	Green-top (lithium heparin) plasma gel tube - 1 ml plasma. Serum gel tube also acceptable.	
	TSH Receptor Antibody	83519		See Thyrotropin Receptor Antibody	
	TSI			See Thyroid Stimulating Immunoglobulin	
	tTG			See Celiac Disease Antibody Profile	
	Tylenol			See Acetaminophen	
1401	Urea Nitrogen, 24 Hr Urine	84540, 82570, 81050	UN24	Obtain jug for 24 hr collection; Requires container with no preservative.	
1516	Uric Acid	84550	URIC	Green-top (lithium heparin) plasma gel tube - 2 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	
1281	Uric Acid, 24 Hr Urine	81050, 82570, 84560	UA24	Obtain jug for 24 hr collection; Requires container with no preservative.	
1545	Urinalysis	81003	UAC	Urine - 12 ml random urine in sterile specimen container. Minimum sample is 1.0 urine.	Reference Lab Clients: 8.0 ml random urine in BD UA Preservative Tube (Red/Yellow Speckled)
	Urine Culture			See Culture, Urine	
	V617F Mutation			See JAK 2 Testing	
57280	Vaginitis (VG), Herpes Simplex Virus (HSV), NuSwab®	87481x2, 87529x2, 87661, 87798x3	VHSVNU	Aptima® vaginal or unisex swab	Collect vaginal fluid sample using the Gen-Probe® Aptima® swab by contacting the swab to the lower third of the vaginal wall and rotating the swab for 10 to 30 seconds to absorb fluid. Immediately place the swab into the transport tube, and carefully break the swab shaft against the side of the tube. Screw the cap on tightly. Maintain specimen at room temperature or refrigerate (2°C to 30°C).
57281	Vaginitis Plus (VG+), NuSwab® Testing includes BV score, trichomonas, yeast, GC, Chlamydia	87481x2, 87491, 87591, 87661, 87798x3	VAGNU2	Aptima vaginal or unisex swab	Collect vaginal fluid sample using the Gen-Probe® Aptima® swab by contacting the swab to the lower third of the vaginal wall and rotating the swab for 10 to 30 seconds to absorb fluid. Immediately place the swab into the transport tube and carefully break the swab shaft against the side of the tube. Tightly screw on the cap. Maintain specimen at room temp. or refrigerate (2°-30°C). Stable at room temp. or refrigerated for 30 days.
43399	Vaginitis, Bacterial and Candida NuSwab. Testing includes BV score and yeast.	87481 X2, 87798X3	BVCSWB	Aptima vaginal or unisex swab	Maintain specimen at room temp. or refrigerate (2°-30°C). Stable at room temp. or refrigerated for 30 days.
43396	Vaginitis, Super Panel NuSwab, VG+HSV. Testing includes BV score, trichomonas, yeast, GC, chlamydia and HSV.	87661, 87481x2, 87491, 87591, 87529x2, 87798x3	SNUSAB	Aptima vaginal or unisex swab	Maintain specimen at room temp. or refrigerate (2°-30°C).
1340	Valproic Acid (Depakene, Depakote)	80164	VALP	Serum gel tube - 3 ml blood, Pediatric minimum sample - 0.7 ml	
39774	Vancomycin	80202	EEVANC	Serum gel tube - 3 ml blood, Pediatric minimum sample - 0.7 ml	Collection Guidelines: Trough is not recommended. Peak should be drawn 30-60 minutes after the end of the last infusion.
	Vanillylmandelic Acid			See VMA	
39129	Varicella Zoster (VZV) Antibodies, IgG, Quantitative	86787	VZVGT	Red top or serum gel tube - 1 ml. serum. Minimum volume - 0.5 ml.	Refrigerate. Reject: hemolysis; lipemia; gross bacterial contamination
32178	Varicella Zoster Antibody, IgG	86787	VZVG	Red Top - 3 ml serum	Reject: Hemolysis, Lipemia, Heat Inactivated Sera

31594	Varicella Zoster Antibody, IgM	86787	VZVM	Serum gel tube or Red Top - 1 ml serum	Reject: Hemolysis, Lipemia
43488	Varicella Zoster Quant PCR, CSF, Viracor	87799	VZVCSF	CSF - 2 mL, FROZEN. Minimum volume - 0.5 mL.	Collected in a sterile, screw top tube and FROZEN.
43587	Varicella Zoster Quant PCR, Plasma, Viracor	87799	VZVPL	Lavender-top (EDTA) or yellow ACD tube - 2 mL plasma, FROZEN. Minimum volume - 0.5 mL.	Centrifuge and transfer 2 mL of plasma to a sterile, screw-top tube and FREEZE.
43487	Varicella Zoster Quant PCR, Serum, Viracor	87799	VZVS	Red-top tube - 2 mL serum, FROZEN. Minimum volume - 0.5 mL.	Centrifuge and transfer 2 mL of serum to a sterile, screw-top tube and FREEZE.
57670	Vascular Endothelial Growth Factor, Plasma	83520	VEGF1	Lavender-top (EDTA) tube - 1 mL plasma, <b>FROZEN</b> . Minimum volume - 0.5 mL plasma.	Centrifuge and transfer the plasma into a frozen specimen transport tube with screw cap. <b>Freeze immediately and maintain frozen until tested.</b> To avoid delays in turnaround time when requesting multiple tests on frozen samples, please submit separate frozen specimens for each test requested. Reject: Non-EDTA plasma or serum sent; nonfrozen specimen; hemolysis or gross lipemia.
	Vasointestinal Peptide			See VIP	
	Vasopressin			See ADH	
1287	VDRL, CSF	86592	VDRS	Submit 1.0 mL CSF in sterile specimen container or stoppered syringe.	
58462	Vedolizumab and Anti-Vedolizumab Antibody	80299, 82397	AVDZA	Red-top, serum gel, or lavender-top (EDTA) tube - 3 mL serum or plasma. Minimum volume - 1.5 mL. <b>FROZEN</b> .	Allow a minimum clotting time of 30 to 60 minutes with serum separation within 2 hours of collection. Centrifuge and transfer serum/plasma to a frozen specimen tube. <b>FREEZE</b> . To avoid delays in turnaround time when requesting multiple test on frozen samples. please submit separate frozen specimens for each test requested.
	Very Long Chain Fatty Acid			See Long Chain Fatty Acid	
22882	VGCC (Voltage Gated Calcium Channel Antibody)	83519	VGCC	Red Top or serum gel tube - 1 mL serum.	Patient should have no radioactive isotopes administered 24 hours prior to venipuncture. Serum should be separated from cells within one hour and transferred to a plastic transport tube. Refrigerate. Reject: Lipemia, Hemolysis
56978	VGKC Antibody (Voltage Gated Potassium Channel Antibody)	83519	VGKC	Serum gel tube - 2 mL serum. Minimum volume - 0.5 mL.	Note: Serum must be separated from cells within 48 hours of collection.
1493	VIP (Vasoactive Intestinal Peptide)	84586	VIP	Contact Lab Processing at 355-5962 to obtain special collection kit and instructions.	Using a Trasylol kit, collect blood in chilled 6 mL EDTA tube taken from kit. Add 0.25 mL Trasylol and mix. Centrifuge, and immediately transfer plasma into one of the brown screw-top transfer tubes provided in the kit and FREEZE. Note on tube that Trasylol has been added and initial. Reject: Hemolysis, recently administered isotopes, specimen not received frozen, sample not treated with Trasylol, sample not submitted in tube with Trasylol label, lipemia, sodium citrate or heparinized plasma.
	Viral Culture			See Culture, Viral	
	Viral Respiratory Panel			See Respiratory, Viral DFA	
1113	Viscosity	85810	VISC	Red Top - 2 mL serum	Reject: Serum gel tube
1857	Vitamin A	84590	VITA	Red top or serum gel tube - 1.0 mL serum	Patient should fast for 12 hours and abstain from alcohol for 24 hours prior to collection. For those who are younger than six months, draw prior to next feeding. Blood should be collected before breakfast in the morning and prior to any medication. If a red top is used, transfer separated serum to a plastic transport tube. Storage: room temperature.
34605	Vitamin B1	84425	NNVB1W	Lavender Top - 1.0 mL whole blood, <b>FROZEN</b> and <b>PROTECTED FROM LIGHT</b> Minimum volume - 0.5 mL.	This must not be a shared tube. Freeze whole blood in amber transport tube with amber top.
8609	Vitamin B12	82607	B12	Green-top (lithium heparin) plasma gel tube - 3 mL plasma.	
56976	Vitamin B3 (Niacin and Metabolite)	84591	VITAB3	Red-top tube or lavender-top (EDTA) tube - 1 mL serum or plasma, <b>FROZEN</b> . Minimum volume - 0.5 mL. <b>Do not use a gel barrier tube.</b>	Centrifuge and transfer the serum or plasma into a plastic, screw cap transport tube. The specimen should be frozen immediately and maintained frozen until tested. To avoid delays in turnaround time when requesting multiple tests on frozen specimens, please submit separate frozen specimen for each test requested. Reject: Gel-barrier tube; specimen not frozen.
16217	Vitamin B6	84207	VITB6	Plasma, Lavender Top (EDTA) tube - 1 mL plasma, <b>FROZEN. PROTECTED FROM LIGHT.</b>	Collect blood by venipuncture into a lavender-top tube containing EDTA and mix immediately by gentle inversion at least six times to ensure adequate mixing. Centrifuge, separate and freeze plasma in dark plastic sendoff vial. To avoid delays in turnaround time when requesting multiple tests on frozen samples, PLEASE SUBMIT SEPARATE FROZEN SPECIMENS FOR EACH TEST REQUESTED.
31274	Vitamin C (Ascorbic Acid)	82180	VITC	Red-top or serum gel-barrier tube - 1 mL serum, <b>FROZEN AND PROTECTED FROM LIGHT</b> Minimum volume - 0.5 mL.	Collect in prechilled tube, centrifuge immediately and freeze serum in an amber plastic transport tube with amber top. <b>Please submit separate frozen specimens for each test requested.</b> Reject: Specimen not received frozen; specimen not protected from light
1476	Vitamin D (1,25-Dihydroxy)	82652	VITD1	Serum gel tube, Red Top, green Top or Lavender Top - 1.5 to 3 mL serum or plasma.	Reference Lab Clients: Centrifuge, and separate serum or plasma into plastic sendoff vial.
39780	Vitamin D (25-Hydroxy)	82306	EEVD25	Serum gel tube or Red Top - 3 mL blood. Green-top (lithium heparin) gel tube is also acceptable.	
57714	Vitamin E (Alpha and Gamma Tocopherol)	84446	VITME2	Red-top tube or gel-barrier tube - 1 mL serum	If a red-top tube is used, transfer separated serum to a plastic transport tube. Reject: sample type other than serum.

1916	Vitamin K1	84597	VITK	Lavender Top or Red Top - 1 to 1.5 ml plasma or serum, <b>frozen and protected from light.</b>	Draw blood in chilled lavender or red top tube. Keep unopened tube on ice before processing. Protect from light. Reference Lab Clients: Centrifuge, separate and freeze plasma in dark plastic sendoff vial.
1503	VMA (Vanillylmandelic Acid), 24 Hr Urine	81050, 84585	VA24	Obtain jug for 24 hr collection; Requires container with 30 ml 6N HCl preservative.	Contact laboratory for patient preparation diet.
61916	Volatiles Screen (Acetone Ethanol Isopropanol Methanol)	80320	VOLSCN	Red-top tube, no gel.	Do not uncup tubes. Do not prep skin with alcohol.
56993	Von Hippel Lindau Mutation, Full Gene Sequencing	81403	VHL	Lavender Top - 5 ml	Keep at room temperature.
41444	Von Willebrands Study (Includes Factor VIII, Factor VIII Related Antigen and Ristocetin Cofactor)	85245, 85246, 85730, 85240	VWFS	Two (2) Blue-top (sodium citrate) tubes - 2 to 4 ml, <b>frozen plasma.</b>	Deliver to lab ASAP. Reference Lab Clients: Centrifuge, separate and <b>freeze</b> plasma in three (3) separate plastic sendoff vials within 4 hours of collection. Reject: Hemolysis, Lipemia, Underfilled Blue Top, clotted sample
	vonGierke Disease			See Glycogen Storage 1A Carrier	
43581	Voriconazole, Plasma, Viracor	80299	VRCZP	Lavender-top EDTA tube - 1 ml. plasma, FROZEN	ACD and sodium heparin tubes are not acceptable. Centrifuge within 30 minutes of draw and transfer plasma to a sterile, screw-top tube and FREEZE. Do not draw in a gel tube.
43489	Voriconazole, Serum, Viracor	80299	VRCZS	Red-top tube - 1 ml. serum, FROZEN	Allow to clot for 30-60 minutes, centrifuge, and transfer serum to a screw top transport tube and FREEZE. DO NOT USE A GEL TUBE.
	VZT			See Varicella Zoster	
	Warfarin			See Coumadin	
	Weil Disease			See Leptospiral Antibodies	
56572	West Nile Virus Antibody	86788, 86789	WNVA	Red-top or serum gel tube - 1 ml. serum. Minimum volume - 0.5 ml.	If a red-top tube is used, centrifuge and transfer serum to a plastic transport tube. Refrigerate.
1363	Wet Prep	87210	TRCH	Collect with sterile culturette swab or sterile swab in sterile specimen container with enough sterile normal saline to keep swab moist (1 - 2 mL).	<b>This code is for in-house testing only. Do not send to Core Laboratory for testing. Reference Lab Clients should order: Trichomonas Antigen, Fungus Smear, and Gram Stain.</b>
	Whipple's Disease			See Tropheryma Whipple II DNA	
57671	Wilson's Disease: ATP7B, Full Gene Sequencing	81406	WILSD2	Lavender-top (EDTA) tube - 2 ml. whole blood	Maintain specimen at room temperature.
	X Match for ABO/Rh			See Crossmatch	
1522	Xanax	80154	XANAX	Red Top - 4 ml serum	Reject: Serum gel tube
	Xylose Absorption			See D-Xylose Absorption	
	Y Chromosome Deletion Studies			See AZF	
32176	ZAP 70 by Flow Cytometry	88184, 88185, 88187	ZAP70	Green Top (Sodium Heparin) - 5 ml whole blood. Bone marrow also accepted.	Collect Monday - Thursday only. Specimen must be received in lab by 12 noon on same day of collection.
	Zarontin			See Ethosuximide	
54639	Zika Virus, MAC-ELISA, IgM, Serum	86790	ZIKA	Red-top or serum gel tube - 2 ml. serum. Minimum volume - 1 ml.	If a red-top tube is used, spin as quickly as possible after clot formation and transfer serum to a plastic transport tube. Refrigerate. Reject: non-refrigerated sample; overly hemolyzed specimen; lipemia; gross bacterial contamination. <b>Pregnancy status must be captured as part of the EUA and agreement with the CDC to offer the Zika virus IgM test. See the CDC website for updates to recommendations for Zika virus testing.</b>
54640	Zika Virus, NC State Lab	No CPT - zero charge	ZIKASL	Red-top or serum gel tube - 3 ml. serum Urine - 3 ml. random specimen in sterile specimen cup Stool - 3 ml. in sterile, screw-cap, container Products of conception - Call lab (704-512-4900) for specific requirements	If a red-top tube is used, centrifuge and transfer serum to a plastic transport tube. Refrigerate. <b>A completed NC State Lab requisition form must accompany the sample.</b>
55627	Zika Virus, RT-PCR, Serum, Viracor	87798	ZIKAS	Red-top tube - 2 ml. serum. Minimum volume - 1 ml.	Collect 4-5 mL whole blood in red top tube, centrifuge and transfer 2 mL serum to sterile, screw top tube. Refrigerate.
55629	Zika Virus, RT-PCR, Urine, Viracor	87798	ZIKAU	Urine - 2 ml. in sterile specimen container. Minimum volume - 1 ml.	Collect in a sterile urinalysis container then transfer to a sterile, screw top tube. Refrigerate.
1519	Zinc	84630	ZINC	Royal Blue-Top (EDTA) or Royal Blue-Top without EDTA. Volume: 2 ml. Minimum volume: 0.6 ml.	Plasma or serum <b>MUST</b> be separated from cells within 45 minutes of collection and transferred to a certified metal free transfer tube. Maintain specimen at room temperature. Reject: Certified metal-free plastic transport tube not submitted, unspun royal-blue tube, gel-barrier tube.
	Zoloft			See Sertraline	
4972	Zonegran (Zonisimide)	80203	ZON	Red Top - 2 ml serum	Reference Lab Clients: Separate serum from cells within 45 minutes of collection and transfer to a plastic transport tube. Reject: Serum gel tube
38846	Zoo Panel Heterologous Protein	83516x4	ZOOP	Red Top - 3 ml serum	Reference Lab Clients: Centrifuge, separate and refrigerate serum in sendoff vial.
	Zyprexa			See Olanzapine	