

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1885	11- Deoxycortisol (Specific Compound S)	82634	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.	CP	SO
1621	17 - Hydroxypregnenolone		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.	CP	SO
1593	17 - Hydroxyprogesterone	83498	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.	CP	SO
	17-Hydroxysteroids		See Cortisol, Urinary Free			
21644	Androstenediol Glucuronide	82154	Serum gel tube, red top or lavender-top (EDTA) tube - 1 ml serum or plasma. Minimum volume - 0.5 ml.	Serum or plasma must be separated from cells within 45 minutes of venipuncture. Submit specimen in a plastic transport tube. Stability: Refrigerated up to 6 days.	CP	SO
32053	3-Methylglutaconic Hydratase	81479	Lavender-top (EDTA) tube - 5 ml. whole blood.	Refrigerate.	CP	SO

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41198	6MP Metabolite	82542	Lavender-top (EDTA) tube - 3 ml. whole blood Minimum Volume - 1 ml.	Refrigerate. Collect blood in lavender-top (EDTA) tube only. Gently invert to mix. Submit whole blood refrigerated. Do not separate specimen. Do not freeze.	CP	SO
1096	5-Flucytosine (Antifungal Level 5-Fluor)	80299	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.	CP	SO
1403	5-HIAA, 24 Hr Urine	83497	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.	CP	SO
	5-Hydroxytryptamine		See Serotonin			
21808	5-Methyltetrahydrofol	82491	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.	CP	SO
1533	5-Nucleotidase	83915	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.	CP	SO

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1141	ABO/ RH	86900, 86901	Lavender-top or pink-top (EDTA) tube - 5 ml whole blood	Specimen must be hand labeled	BB	D24H
	ACE		See Angiotensin Converting Enzyme			
1286	Acetaminophen (Tylenol)	82003	Serum gel tube - 2 ml. serum Pediatric minimum sample - 0.7 ml		CHEM	D24H
1313	Acetone	82010	Serum gel tube - 2 ml serum	Must not open tube before testing	CHEM	D24H
1076	Acetylcholine Receptor Antibody (ACHR Binding Antibody)	83519	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.	CP	SO
9728	Achondroplasia	81404	Lavender-top (EDTA) tube - 5 to 10 ml. whole blood	Specimen must be kept at room temperature	CP	SO
	Acid Maltase		See POMPE Disease			
31465	Acid Phosphatase(ACP, Total)	84066	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.	CP	SO

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1246	ACTH (Adrenocorticotrophic Hormone), Plasma	82024	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.	CP	SO
28726	Activated Clotting Time (Lab)	85347	Blue-top (sodium citrate) tube - 2.7 ml. whole blood. Minimum volume - 0.8 ml.		Hem	D24H
38012	Activated Protein C Resistance	85307	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	CP	SO
1110	Acylcarnitine Profile, Duke Sendout	82017	Green-top (heparin) tube - 1 ml plasma, FROZEN. Pediatric minimum specimen required - 0.3 ml plasma.	Centrifuge and freeze plasma at -20°C.	CP	SO

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40926	Acylcarnitine, Quantitative	82017	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.	CP	SO
21842	Adenosine Deaminase, Fluid	84311	CSF or Body Fluid - 1 ml. fluid in sterile container, FROZEN	Time Sensitive; Must be sent to Reference Lab on same day. Centrifuge sample and freeze supernatant.	CP	SO
19263	Adenovirus Antibody	86603	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	CP	SO
	Adenovirus DFA		See DFA, Adenovirus			
38340 (Blood) 38341 (Stool) 38342 (Urine)	Adenovirus, PCR (Blood, Stool, Urine)	87799	Lavender-top (EDTA) or tellow-top (ACD) tube - 2 ml. plasma. Minimum volume - 1.0 ml. Stool - Small amount in sterile, screw top tube. Urine - 2 ml collected in sterile cup and transferred to sterile, screw top tube.	Blood: Transfer 2 ml. plasma to sterile screw-top tube. Blood and Urine: Can be shipped at ambient or frozen temperature M-F. Specimens shipped at ambient temperature must be received within 96 hrs. of collection. Stool: Store frozen and ship on dry ice for overnight delivery.	CP	SO

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1486	ADH (Antidiuretic Hormone, Vasopressin)	84588	Lavendar-top (EDTA) tube - 2 ml. plasma FROZEN	Deliver to lab on wet ice ASAP. Centrifuge in a refrigerated centrifuge. Separate plasma and freeze in a plastic transport tube. No isotopes administered within 24 hours prior to venipuncture.	CP	SO
	Adrenocorticotrophic Hormone		See ACTH			
39138	Adverse Food Reaction Profile	8600391x13, 8351691X4, 82785, 8278491	Serum gel tube - 3ml serum		CHEM	M-F/1
	AFB (Acid Fast Bacillus) Culture		See Culture, AFB			
1806	AFB (Acid Fast Bacillus) Smear	87206	Submit slide or smear in sterile specimen container		Micro	D24H
1248	AFP (Alpha-Fetoprotein), Tumor Marker	82105	Red-top or Serum gel tube - 1.0 ml serum Minimum volume - 0.5 ml.	If Red Top is used for collection transfer serum to plastic transport vial. Refrigerate.	CP	SO
31762	AFP Single Maternal Screen	82105	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.	CP	SO

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7910	AFP Tetra Maternal Screen (Includes α -fetoprotein, unconjugated estriol, Inhibin A, HCG)	82105, 82677, 86336, 84702	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.	CP	SO
	ALA Delta, 24 Hr Urine		See Aminolevulinic Acid			
24057	ALA-D & PBG-D (RBC ALA Dehydrase, Porphobilinogen Deaminase, Uroporphyrin Synthase)	82657	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.	CP	SO
33688	Albright Osteodystrophy - (GNAS1)	81479	Lavender-top (EDTA) tube - 5 to 7 ml whole blood	Room Temperature	Gene	SO
1323	Albumin	82040	Light green plasma Serum gel tube - 1 ml plasma.		Chem	D24H
39797	Albumin, Body Fluid		Body Fluid - 1 ml. in sterile screw top vial.	Specify fluid source.	Chem	D24H
33740	Albumin, CSF	82042	CSF - 1.0 ml Minimum volume - 0.5 ml.	Reject: CSF with excessive blood Storage: Stable at room temperatur for 14 days.	CP	SO
1198	Alcohol Screen by GC (Includes Methanol, Acetone, Ethanol & Isopropanol)	84600	Two (2) lavender-top (EDTA) tubes - 10 ml. whole blood	Do not uncap tubes. Do not prep skin with alcohol.	Chem	M-F, 1st, 2nd; WE, 1st , Other times by pathology approval only.

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1346	Aldolase, Serum or Plasma	82085	Serum (Plasma containing citrate, oxalate, fluoride, EDTA, or heparin may be used) - 1.0 ml. 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	CP	SO
1124	Aldosterone, 24 Hr Urine	82088	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.	CP	SO
1310	Aldosterone, Blood	82088	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.	CP	SO
1331	Alkaline Phosphatase	84075	Light green plasma Serum gel tube - 1 ml plasma.		Chem	D24H
1223	Alkaline Phosphatase, Isoenzymes (Fractionated Alkaline Phosphatase)	84075, 84080	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.	CP	SO
49794	Allergen Alpha Lactalbumin	86003	Serum gel tube - 0.5 ml serum.		CHEM	M-F/1

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49795	Allergen Beta Lactoglobulin	86003	Serum gel tube - 0.5 ml serum.		CHEM	M-F/1
49758	Allergen Casein ImmunoCAP	by 86003	Serum gel tube - 0.5 ml serum.		CHEM	M-F/1
49803	Allergen Ovalbumin by ImmunoCAP	86003	Serum gel tube - 0.5 ml serum.		CHEM	M-F/1
49802	Allergen Ovomuroid ImmunoCAP	by 86003	Serum gel tube - 0.5 ml serum.		CHEM	M-F/1
35376	Allergen, Seafood Profile by ImmunoCAP	8600391x20, 82785	Serum gel tube - 3.0 ml serum.		CHEM	M-F/1
35378	Allergen, Shellfish Profile by ImmunoCAP	8600391x8, 82785	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
34015	Allergen, Shrimp ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39260	Allergen, Sting Profile by ImmunoCAP	8600391x9, 82785	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1

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34738	Allergen, Strawberry ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39749	Allergen, Allergy Profile Screen by ImmunoCAP	86003x41, 82785	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
42160	Allergen, Almond by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
41434	Allergen, Anchovy by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39846	Allergen, Ash by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
45793	Allergen, Bahia Grass by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39877	Allergen, Beef by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39853	Allergen, Bermuda Grass by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1

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39836	Allergen, Birch by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
42154	Allergen, Brazil Nut by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39885	Allergen, Cashew Nut by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39831	Allergen, Cat Dander by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
42155	Allergen, Chestnut by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39881	Allergen, Chicken by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39134	Allergen, Childhood Panel by ImmunoCAP	86003x16, 82785	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
35377	Allergen, Citrus Profile by ImmunoCAP	8600391x5, 82785	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1

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39866	Allergen, Clam by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39832	Allergen, Cockroach American by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
37070	Allergen, Cockroach German by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
42156	Allergen, Coconut by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39851	Allergen, Common Ragweed by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39838	Allergen, Cottonwood by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
41433	Allergen, Crab by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
41435	Allergen, Crayfish by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1

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39833	Allergen, Dog Dander by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
34829	Allergen, Drug Panel by ImmunoCAP	82785, 86003x4	Serum gel tube - 3.0 ml serum.		CHEM	M-F/1
39827	Allergen, Dust Mite (D. farinae) by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39828	Allergen, Dust Mite (D. Pteronissinus) by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
48965	Allergen, Egg Components by ImmunoCAP	8600391X3, 82785	Serum gel tube - 3.0 ml serum.		CHEM	M-F/1
39870	Allergen, Egg White by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39871	Allergen, Egg Yolk by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39835	Allergen, Elm by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1

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39848	Allergen, English Plantain by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
45778	Allergen, ENT Screen 2 by ImmunoCAP	86003x10, 82785	Serum gel tube - 3.0 ml serum.		CHEM	M-F/1
45779	Allergen, ENT Screen by ImmunoCAP	86003x13, 82785	Serum gel tube - 3.0 ml serum.		CHEM	M-F/1
45792	Allergen, Epicoccum by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39854	Allergen, Fescue Grass by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39135	Allergen, Food Panel by ImmunoCAP	8600391x16, 82785	Serum gel tube - 3.0 ml serum.		CHEM	M-F/1
39849	Allergen, Goosefoot Lambs Quarters by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39830	Allergen, Greer House Dust by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1

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39834	Allergen, Horse by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39842	Allergen, Japanese Cedar by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39856	Allergen, Johnson Grass by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
33690	Allergen, Latex by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
41437	Allergen, Lobster by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
41438	Allergen, Mackerel by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39867	Allergen, Maize, Corn by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39843	Allergen, Maple by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1

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48964	Allergen, Milk Components by ImmunoCAP	8600391X4, 82785	Serum gel tube - 3.0 ml serum.		CHEM	M-F/1
39869	Allergen, Milk, Cow by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39858	Allergen, Mold (Alternaria alternata) by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39859	Allergen, Mold (Aspergillus fumigatus) by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39837	Allergen, Mold (Cladosporium herbarum) by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39840	Allergen, Mulberry by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
35334	Allergen, Nut Profile by ImmunoCAP	8600391x12, 82785	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39847	Allergen, Oak by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1

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41440	Allergen, Octopus by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39878	Allergen, Orange by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
41441	Allergen, Oyster by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
34016	Allergen, Peanut by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
48966	Allergen, Peanut Components by ImmunoCAP	8600391X6, 82785	Serum gel tube - 4.0 ml serum.		CHEM	M-F/1
42158	Allergen, Pecan Nut by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39839	Allergen, Pecan, Hickory by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39850	Allergen, Pigweed by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1

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39841	Allergen, Pine, White by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39876	Allergen, Pork by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
45786	Allergen, Red Cedar by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39137	Allergen, Respiratory Panel by ImmunoCAP	8600391x19, 82785	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39874	Allergen, Rice by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
41442	Allergen, Salmon, Atlantic, by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
41431	Allergen, Sardine (Pilchard) by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
41432	Allergen, Scallop by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
40795	Allergen, Sesame by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39852	Allergen, Sheep Sorrel by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1

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41439	Allergen, Snail by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39863	Allergen, Soybean by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
40799	Allergen, Squid by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
40798	Allergen, Swordfish by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39845	Allergen, Sycamore by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39875	Allergen, Tomato by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
40797	Allergen, Trout Rainbow by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
41443	Allergen, Tuna by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
39868	Allergen, Walnut by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1
41685	Allergen, Yeast, Baker's by ImmunoCAP	86003	Serum gel tube - 2.0 ml serum.		CHEM	M-F/1

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32394	Allergic Bronchial Pulmonary Aspergillosis Profile	86331, 86001, 86003, 82785	Red-top or Serum gel tube - 1.5 ml serum	Transfer separated serum or plasma to a plastic transport tube.	CP	SO
	Alpha- Fetoprotein		See AFP			
43416	Alpha-1 Antitrypsin	82103	Red-top or Serum gel tube - 1 ml. serum Minimum volume - 0.5 ml.	Separate serum from cells. Patient Preparation: Overnight fasting is preferred. Reject: Lipemic Samples	CP	SO
2555	Alpha-1 Antitrypsin Phenotype	82103, 82104	Red-top or Serum gel tube - 2 ml serum Minimum volume - 1.0 ml.	Patient Prep: Overnight fasting is preferred. Reference Lab Clients: Spin tube, separate and refrigerate serum in plastic transport tube. Reject: Hemolysis or specimen received at room temperature.	CP	SO
1718	Alpha-1 Antitrypsin, Stool	82103	Stool, random sample - Approx. 5 g. required, FROZEN.	Must be frozen immediately after collection.	CP	SO
38005	Alpha-2 Antiplasmin	85410	Blue-top (sodium citrate) tube- 2 ml plasma Minimum volume - 1 ml. FROZEN.	Reference Lab Clients: Spin tube, separate and freeze serum in plastic sendoff vial. Reject: Hemolysis or specimen received thawed. Avoid warfarin therapy for two weeks and heparin therapy for two days prior to the test.	CP	SO
	Alprazolam		See Xanax			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
31273	Alpha Subunit Free (Pituitary Glycoprotein)	83520	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.	CP	SO
33659	Alpha Thalassemia	81257	Lavender-top (EDTA) tube - 5 to 7 ml whole blood	Room temperature.	Gene	SO
1337	ALT (SGPT)	84460	Light green plasma Serum gel tube - 1 ml plasma.		Chem	D24H
1260	Aluminum	82108	Royal Blue Top with or without EDTA - 7ml blood. Minimum requirement 0.6 ml	Submit original unopened tube. Maintain specimen at room temperature.	CP	SO
43377	Aluminum, Urine	82108, 82570	Urine - 5 ml. aliquot from random collection or 24 hour collection, no preservative required. Minimum volume - 1.5 ml.	Maintain specimen at room temperature.	CP	SO
	AMH		See Anti Mullerian Hormone			
39888	Amikacin	80150	Serum gel tube - 1.0 ml. serum Pediatric minimum sample - 0.7 ml		Chem	D24H
1534	Amino Acids, Blood	82136	Green-top (heparin) tube - 8- \geq 18 yrs. 0-8 years - 2.0 ml. plasma Minimum volume - 1.0 ml. plasma	Reference Lab Clients: Spin tube, separate and freeze plasma in plastic sendoff vial.	CP	SO
1536	Amino Acids, Random Urine	81050, 82139	Random Urine - 10.0 ml in sterile specimen container 2 - \geq 18 yrs.; 5.0 ml. 0 - 2 years Minimum Volume: 1.0 ml	Reference Lab Clients: Freeze urine in plastic sendoff vial.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1872	Aminolevulinic Acid, 24 Hr Urine (Delta ALA)	82135	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.	CP	SO
	Aminophylline		See Theophylline			
1253	Amiodarone (Cordarone)	82542	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. Reject: Blood collected in Serum gel tubes, specimen not frozen.	CP	SO
	Amiphophysin		See Paraneoplastic Antibody			
1752	Amitriptyline (Elavil) - includes nortriptyline	80152	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.	CP	SO
1381	Ammonia (NH3)	82140	Lavender-top or green-top tube - 5 ml whole blood. Collect without stasis. Minimum sample - 2 ml whole blood.	Deliver to lab on wet ice ASAP. Reference Lab Clients: Spin tube and freeze plasma in plastic sendoff vial. Collect without stasis.	Chem	D24H
1390	Amniotic Fluid Scan (Delta OD 450)	82143	Amniotic fluid - 3 ml in sterile container or stoppered syringe.	Protect from light. Deliver to lab ASAP. Contact Chemistry at 355-5805 if analysis is required STAT.	Chem	M-F/ 1,2

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1053	Amoebic Antibody Hemagglutination (Entamoeba Histolytica AB, Qual.)	86753	Red-top or Serum gel tube - 1 ml. serum Minimum volume: 0.2 ml.	Reject: Gross hemolysis; lipemia; bacterial contamination	CP	SO
	Amphetamine, Urine, Screen		See Drug Screen, Abused			
1324	Amylase	82150	Light green plasma Serum gel tube - 1 ml plasma.		Chem	D24H
39801	Amylase, Body Fluid	82150	Body Fluid - 1 ml. in sterile screw top vial.	Specify fluid source.	Chem	D24H
1518	Amylase Isoenzymes	82150x2	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.	CP	SO
1366	Amylase, 2 Hr Urine	81050, 82150	Urine - 2 hour urine collection in specimen container with no preservative or additive.		Chem	D24H
38014	Amylase, 8 hr. Urine	81050, 82150, 82570	Urine - 8 hour urine collection in specimen container with no preservative or additive.		Chem	D24H
1365	Amylase, 24 Hr Urine	81050, 82150	Urine - 24 hour collection, no preservative required.		Chem	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1500	Amylase/Creatinine Ratio		Light green plasma Serum gel tube - 1 ml plasma AND Urine - 10 ml random urine in sterile specimen container		Chem	D24H
19365	Amyotrophic Lateral Sclerosis (SOD1)	81404	Two (2) Lavender-top (EDTA) tubes - 10 ml whole blood		CP	SO
1442	ANA (Antinuclear Antibody)	86038	Serum gel tube - 2 ml serum. Minimum sample required - 0.7 ml.		SM	M-F/ 1
42786	ANA Profile	86225, 86235x8	Red-top or Serum gel tube - 1 ml serum. Minimum sample required - 0.5 ml.	Maintain specimen at room temperature. Reject: Hemolysis, Lipemia	CP	SO
	ANCA		See Antineutrophil Cytoplasmic Antibody			
33442	Androgen Insensitivity	81405	Lavender-top (EDTA) tube - 5 to 7 ml whole blood	Keep at room temperature.	Gene	SO
1263	Androstenedione, LCMS (4-androstenedione)	82157	Red Top or lavender-top (EDTA) tube - 1 ml serum or plasma. Do not use a gel-barrier tube. Pediatric minimum sample - 0.5 ml serum.	Transfer separated serum or plasma to a plastic transport. Refrigerate. Rejection: Serum gel tubes	CP	SO
9653	Angelman Syndrome	81331	Lavender-top tube - 5 ml whole blood Pediatric minimum sample - 2.0 ml	Keep specimen at room temperature.	CP	SO
1494	Angiotensin Converting Enzyme, Serum	82164	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.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1720	Angiotensin Converting Enzyme, CSF	82164	CSF, FROZEN - 1 ml.	Transfer specimen to plastic transport tube before freezing.	CP	SO
	Aniridia		See FISH - Wagr Panel			
	Anti - Hu Antibodies		See HU Antibodies			
	Anti - MAG		See Myelin Associated Glycoprotein Antibody			
	Anti MAXA		See Recombx MATA Autoantibody			
	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			
32446	Anti Mullerian Hormone	82397	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.	CP	SO
9820	Antiadrenal Antibodies	86255	Red-top or Serum gel tube - 1.0 ml serum, FROZEN. Minimum volume required - 0.5 ml. serum	Maintain specimen at room temperature.	CP	SO
	Antibiotic Serum Level		See Schlicter Test			
	Antibody Screen		See Indirect Coombs			
1826	Anticardiolipin Antibody (Includes IgG, IgM, IgA)	86147x3	Red top or Serum gel tube - 1 ml serum Minimum volume - 0.5 ml.	Refrigerate.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
37075	Anticentromere B Antibody	86235	Red top or Serum gel tube - 1 ml serum Minimum volume - 0.5 ml.	Maintain specimen at room temperature.	CP	SO
	Antidiuretic Hormone		See ADH			
1018	Anti-DNA Antibody (Double Stranded)	86225	Red Top or Serum gel tube - 2 ml serum	Submit spun specimen to Microbiology (Serology). This is Double-Stranded (native).	SM	M-F/1
28602	Anti-DNA Antibody (Single Stranded)	86226	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	CP	SO
	Anti-DNase B Titer		See DNase B Titer			
	Anti-Factor X Assay		See Heparin Anti -Xa Assay			
43360	Antigens Stimulation (Lymphocyte Antigen Stimulation)	86353x2	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.	CP	SO
19240	Antigliaden Antibodies Panel (Antigluten Antibodies)	83516x2	Red-Top or Serum gel tube - 1.0 ml. serum Minimum volume - 0.5 ml.	Refrigerate. Reject: Hemolysis; lipemia; gross bacterial contamination.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Antiglomerular Basement Membrane Antibody		See Glomerular Basement Membrane Antibody			
	Antigliuten Antibodies		See Celiac Disease Antibody Profile			
28042	Antimyeloperoxidase Antibodies	83520	Red top or Serum gel tube - 1.0 ml. serum Minimum volume - 0.5 ml.	Refrigerate. Hemolysis, Lipema	Reject: CP	SO
38839	Antineuronal Antibodies	8625591x2	Red Top or Serum gel tube - 1 ml serum.	Maintain specimen at room temperature.	CP	SO
22881	Antineutrophil Cytoplasmic Antibody (ANCA) Profile	86256x3	Red Top or Serum gel tube - 1 ml serum. Minimum volume - 0.5 ml.	Refrigerate. for Rejection: Hemolysis; lipemia	Causes CP	SO
1032	Antiparietal Cell Antibody (Anti-Parietal Cell Antibody, QN)	83516	Red Top or Serum gel tube - 1 ml serum. Minimum volume - 0.5 ml.	Maintain specimen at room temperature.	CP	SO
35435	Antiphospholipid Antibody Panel	8614791x3, 8352091x9, 8614891x3	Red top or Serum gel tube - 2 ml serum	Maintain at room temperature.	CP	SO
32073	Antiproteinase 3 Antibody	83520	Red top or Serum gel tube - 1.0 ml serum. Minimum volume - 0.3 ml.	Refrigerate. Hemolysis; Lipema; gross bacterial contamination.	Reject: CP	SO
	Anti-RNP Antibody		See Extractable Nuclear Antigen			
1022	Antismooth Muscle Antibody (Actin Antibody)	83516	Red top or Serum gel tube - 1.0 ml serum. Minimum volume - 0.5 ml.	Maintain specimen at room temperature.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1495	Antithrombin III Activity	85300	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.	Hem	D24H
	Antithyroglobulin Antibody		See Thyroglobulin Antibody			
1639	Antithyroid Peroxidase Antibody (Anti - TPO)	86376	Red top or Serum gel tube - 1.0 ml serum. Minimum volume - 0.3 ml.	Transfer serum to a plastic transport tube. Refrigerate.	CP	SO
	Antivirogram Analysis		See HIV Phenotype Panel			
32010	APO E	81401	Lavender-top (EDTA) tube - 10 ml. whole blood	Maintain specimen at room temperature.	CP	SO
21277	Apolipoprotein A1, B, and Ratio	82172x2	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.	CP	SO
1213	APT Test	83033	Submit specimen in sterile container or stoppered syringe		SPHem	D24H
37080	Aptima-CT, NG, TV NuSwab CCTNAA	87491, 87591, 87661	Gen-Probe Aptima swab Cervical cells in thin pap vial	Maintain specimen at room temperature or refrigerate (2°-30°C)	CP	SO
	Arava®		See Leflunomide			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
32184	AR Polycystic Kidney Disease	81408, 81407	Lavender-top (EDTA) tube - 5 ml. whole blood minimum. OR Biopsy fragment from skin/liver/spleen (fresh or frozen) or cultured cells (diagnostic testing). OR T25 flasks of either cultured CVS or cultured amniocytes (>70% confluent),		Gene	SO
19239	Arbovirus	86651, 86652, 86653, 86654	Red Top or Serum gel tube - 1.0 ml serum. Minimum volume - 0.5 ml.	Maintain specimen at room temperature.	CP	SO
1873	Arsenic	82175	Royal blue-top tube - 2 ml whole blood Minimum volume - 0.6 ml.	Maintain specimen at room temperature. Causes for Rejection: Clotted sample	CP	SO
1673	Arsenic, 24 Hr Urine	81050, 82175	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.	CP	SO
31364	Arylsulfatase A (ASA Deficiency)	82657	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.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1056	Arylsulfatase A, 24 Hr Urine	82657	Urine - 10 ml. aliquot of 24 hour urine collection, no preservative needed.	24 hour volume is required. Refrigerate during collection. No preservative.	CP	SO
	ASCA		See <i>Saccharomyces cerevisiae</i>			
	Ascorbic Acid		See Vitamin C			
19309	Asialo GM1 Antibody, ELISA	8352091x2	Red-top or Serum gel tube - 1.0 ml serum.	Maintain specimen at room temperature.	CP	SO
1081	ASO Titer (Antistreptolysin O, Streptozyme)	86063	Red-top tube - 2 ml serum		SM	M-F/1
21845	Aspergillus Antibody Panel by CF and Immunodiffusion	86606x3	Red top or Serum gel tube - 1.0 ml serum.	Refrigerate samples.	CP	SO
1336	AST (SGOT)	84450	Light green plasma Serum gel tube - 1.0 ml plasma. Minimum sample required - 0.7 ml. plasma		Chem	D24H
32045	Ataxia Panel	81401, 81403, 81404x2, 81405x2, 81406x3, 81479	Lavender-top (EDTA) tube - 20 ml. whole blood.	Room temperature.	CP	SO
	Ativan		See Lorazepam			
	Atypical Pneumonia		See Mycoplasma IgG Antibody			
	Australian Antigen		See Hepatitis B Tests			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
33691	Auto Dom Optic Atrophy	81406	Lavender-top (EDTA) tube - 5 to 10 ml whole blood. Whole blood collected in yellow-top ACD tube also acceptable. Minimum volume - 3 ml.	Store at room temperature	CP	SO
37694	AZF Panel (Y Microdeletion)	81479	Lavender-top (EDTA) tube - 5 ml whole blood. Minimum specimen - 3.0 ml	Room temperature	CP	SO
	Azoospermia Factor		See AZF			
9811	B Cell Rearrangement	81261	Paraffin Embedded Tissue		DNA	M-F/ 1
43381	B Cell Panel	88184, 88185x11, 88188	Lavender-top (EDTA) tube - 3 ml. whole blood	Room temperature. Specimen must be received within 24 hours of collection.	CP	SO
21340	B27 HLA	88184x1, 88185x1	Green Top - 5 ml whole blood		Immun	M-F/1
	Bacillary Angiomatosis		See Bartonella Antibody			
8266	Banking	83891	Lavender-top (EDTA) tube - 5 ml whole blood. Minimum specimen - 2.0 ml	Keep specimen at room temperature.	DNA	M-F/1
	Bannayan Riley Ruvalcaba		See PTEN Mutation			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1049	Barbiturates (Quantitative)	82205	Lavender-top (EDTA) tube - 5 ml whole blood	Do not uncap tubes. Do not prep skin with alcohol.	Chem	M-F, 1, 2 Weekend, 1; Other by Pathology approval only
34254	Bartonella Antibody Profile	86611x4	Red-top or Serum gel tube - 2 ml serum Minimum volume - 1 ml.	Refrigerate. Reject: Hemolysis; lipemia; gross bacterial contamination.	CP	SO
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	Light green plasma Serum gel tube - 2 ml plasma. Pediatric minimum sample - 0.7 ml. in brown bullet.		Chem	D24H
32739	Battens Disease	81406	Lavender-top (EDTA) or yellow-top (ACD) tubes - two (2) 8 ml for adults; two (2) 5 ml. tubes for infants or -small children.	Keep at room temperature. Ship by overnight mail (no weekend delivery).	CP	SO
	B-cell Clonal Detection		See B Cell Rearrangement			
9813	BCL2	83891, 83898x2, 83894, 83907, 83912	Paraffin Embedded Tissue		DNA	M-F/ 1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
9814	bcr/abl Minimal Residual Disease	81206	Lavender-top (EDTA) tubes - three (3) tubes	Call 704-355-9350 option 1 for Client Services immediately following collection to arrange for STAT courier pick up. Specimen must be delivered to Molecular Pathology within 2 hours of collection. Maintain specimen at room temperature.	DNA	M-F/ 1
30600	Benzene, Blood	84600	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.	CP	SO
	Benzodiazepines, Urine, Screen		See Drug Screen, Abused			
24056	Beryllium	83018	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.	CP	SO
29518	Beta- 2 Transferrin, Body Fluid	86335	Serum and aural or nasal fluid. Gel-barrier tube - 2 ml. serum and 2 ml. fluid in sterile container.	Transfer serum to a plastic transport tube within 2 hours of venipuncture. Refrigerate.	CP	SO
39805	Beta HCG (Qualitative), Blood	84703	Serum gel tube - 2 ml serum	Reject: Lavender Top Tube	Hem	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
39799	Beta HCG (Qualitative), Urine Pregnancy Test	81025	Random urine specimen - 2 ml in specimen container	Rejected with SG <1.005	Hem	D24H
39265	Beta HCG (Quantitative) Male Only (Beta subunit, Quantitative)	84702	Red-top tube or Serum gel tube - 1.0 ml. serum. Minimum volume - 0.5 ml.	Transfer serum to a plastic transport tube. Refrigerate.	CP	SO
8638	Beta HCG (Quantitative), Blood	84702	Serum gel tube - 2 ml serum		Chem	D24H
37078	Beta Hydroxybutyrate, In-House	82010	Red-top or Serum gel tube - 1 ml serum		Chem	D24H
19236	Beta Hydroxybutyrate, SO	82010	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.	CP	SO
43418	Beta-2 Microglobulin, Serum	82232	Red Top or Serum gel tube - 1.0 ml serum. Minimum volume - 0.5 ml.	If collected in a Red top, centrifuge and transfer serum into a plastic transport vial. Note: 0.5 ml of serum does not allow for repeat testing. Refrigerate.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
43419	Beta-2 Microglobulin, Urine	82232	Random Urine - 10 ml volume - 1 ml.	Minimum Patient should empty the bladder, then drink a large glass of water and collect a urine sample within one hour. Significant loss of B2-microglobulin activity may occur in acidic urine (pH ≤6). Urine should always be collected at high diuresis and the pH adjusted to between 6 and 8 with 1 mol/L sodium hydroxide. Refrigerate.	CP	SO
1230	Betke Kleihauer	85460	Lavender-top (EDTA) tube - 2 ml whole blood		SPHem	D24H
	BHCG		see Beta HCG			
32065	Bile Acid Profile by FABS-MS	83789	Urine - 10 -50 ml urine Red top tube - 2 ml serum Bile fluid - 2 ml	Centrifuge, freeze serum in plastic sendoff vial. Freeze urine and send to lab in plastic sendoff vial.	CP	SO
19302	Bile Acids, Conjugated	82239	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.	CP	SO
1400	Bilirubin, Direct	82248	Light green plasma Serum gel tube - 1 ml plasma. Pediatric minimum sample - 0.7 ml. in brown bullet.	Protect from light.	Chem	D24H
1335	Bilirubin, Total	82247	Light green plasma Serum gel tube - 1 ml plasma. Pediatric minimum sample - 0.7 ml. in brown bullet.	Protect from light.	Chem	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1441	Bilirubin (Micro)	82247	Brown bullet - 0.7 ml.	Protect from light.	Chem	D24H
1355	Bilirubin, Fractionated (Includes, Total , Direct and Indirect Bili)	82247, 82248	Light green plasma Serum gel tube - 1 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.	Protect from light.	Chem	D24H
	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.	Path	M-F/1,2, S/1
28723	Biotinase (Multiple Carboxylase Deficiency, Late Onset)	82261	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.	CP	SO
38343	BK Virus by PCR, (Urine)	87799	Urine - 5 ml. random urine in sterile urine container Minimum volume - 0.5 ml.	Transfer to a sterile screw top tube for shipment. Can be shipped at ambient or frozen temperature Monday thru Friday. Specimens shipped at ambient temperature must be received within 96 hours of collection.	CP	SO
37507	BK Virus by Real time PCR, Quantitative (Blood)	87799, 83912	PPT - 5 ml whole blood Minimum Volume - 1.5 ml.	Blood must be centrifuged within two(2) hours of collection. Maintain at room temperature.	DNA	M-Su/1
	Blood Culture		See Culture, Blood			
	Blood Urea Nitrogen (BUN)		See BUN			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	BMP		See Basic Metabolic Pkg			
	BNP		See Brain Natriuretic Peptide			
1120	Bone Marrow Studies	Call Hematology Department		Contact Special Hematology (355-3455) to schedule collection.	SPHem	D/1
9822	Bordetella Pertussis Antibody, IgA Quant.	86615	Red top or Serum gel tube - 1.0 ml serum Minimum volume - 0.5 ml.	Refrigerate. Causes for Rejection: Hemolysis; lipemia; gross bacterial contamination.	CP	SO
41445	BRAF Mutation Analysis, V600E	81210	Paraffin Embedded Tissue, 3 unstained and 1 H&E	Maintain specimen at room temperature.	DNA	M-F/1
8341	Brain Natriuretic Peptide (BNP)	83880	Lavender-top (EDTA) tube - 1.0 ml plasma	If not run within 4 hours, blood must be centrifuged and plasma frozen in plastic sendoff vial. No capillary specimens accepted.	Chem	D24H
29787	Brodifacoum (Talon), Blood	82491	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	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1699	Brush Biopsy	88104	Submit specimen in Saccomano vials or slides in 95% alcohol fixative.		Cyto	M-F/1
1507	BUN (Blood Urea Nitrogen)	84520	Light green plasma Serum gel tube - 1.0 ml plasma. Pediatric minimum sample - 0.7 ml. plasma in brown bullet.		Chem	D24H
52807	Buprenorphine, Screen with Confirmation, Urine	80301	Urine - 20 ml random urine in sterile specimen container Minimum volume - 10 ml.	Maintain specimen at room temperature.	CP	SO
38352	Busulfan Levels	82542	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.		
1100	C Reactive Protein	86140	Serum gel tube - 3 ml serum. Pediatric minimum sample -1.5 ml.		Chem	D24H
1870	C1 Esterase Inhibitor, Serum	86161	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 transpot tube before freezing. Reject: Plasma other than EDTA, thawed or non-frozen sample.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
28599	C1 Q Binding (Circulating Immune Complexes)	86332	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 transpot tube before freezing. Freeze prior to transport. Reject: Hemolysis.	CP	SO
	C3		See Complement C3			
	C4		See Complement C4			
40446	CA 125	86304	Serum gel tube - 3 ml serum		Chem	D24H
1531	CA 15-3	86300	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. Reject: Citrate plasma specimen.	CP	SO
1498	CA 19-9 (Carbohydrate Antigen 19)	86301	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. Reject: Citrate plasma specimen.	CP	SO
19248	CA 27-29 (Truquant BR)	86300	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. Reject: Plasma specimen.	CP	SO
32011	Cadasil	81406	Lavender-top (EDTA) tubes - 10 ml whole blood	Refrigerate. Ship within 24 hours Monday through Thursday only.	Gene	SO
16454	Cadmium Profile, Blood and Urine	82300x2, 82232, 82570	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.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
16456	Cadmium, Blood	82300	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.	CP	SO
1576	Caffeine	83520	Serum gel tube - 1 ml. serum. Pediatric minimum sample - 0.7 ml		Chem	D24H
1842	Calcitonin (Thyrocalcitonin)	82308	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.	CP	SO
1501	Calcium	82310	Light green plasma Serum gel tube - 1.0 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.		Chem	D24H
1402	Calcium, 24 Hr Urine	81050, 82340, 82570	Urine - 24 hr. collection in container with 30 ml 6N HCL preservative.		Chem	D24H
1380	Calcium, Ionized	82330	Green Top - 5 ml whole blood. Pediatric minimum sample - 0.7 ml in green bullet. Reference Lab - Serum gel-barrier tube, UNOPENED.	Tube must be full. Do not open tube. Reference Lab Clients: Submit full Serum gel tube, unopened. A separate tube should be submitted for ionized calcium testing.	Chem	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
31275	Calculus Analysis	82360	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.	CP	SO
29270	<i>Campylobacter jejuni</i> Antibody	86625	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.	CP	SO
	Cannabinoid, Urine, Screen		See Drug Screen, Abused			
1315	Carbamazepine (Tegretol)	80156	Red-top tube - 1 ml serum, Pediatric minimum sample - 0.7 ml		Chem	D24H
32070	Carbamazepine 10, 11-Epoxyde	80156	Red-top or green-top (heparin) tube - 1.0 ml serum or plasma. Minimum volume - 0.6 ml. Do not use a gel barrier tube.	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.	CP	SO
	Carbohydrate Antigen 19		See CA 19-9			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1750	Carbohydrate Deficient Transferrin	82373	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	CP	SO
1325	Carbon Dioxide (CO2)	82374	Light green plasma Serum gel tube - 1.0 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.		Chem	D24H
	Carcinoembryonic Antigen		See CEA			
	Cardiac BNP		See Brain Natriuretic Peptide			
	Cardiolipin Antibody		See Anticardiolipin Antibody			
1955	Carnitine, Plasma	82379	Light-green (lithium heparin) plasma Serum 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. Reject: Incorrect sample type; gross hemolysis; improper storage.	CP	SO
1063	Carnitine, Urine	82379	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. Reject: Incorrect sample type; gross hemolysis; improper storage; insufficient sample.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1349	Carotene	82380	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 eight hours. Patients should avoid foods containing carotene for 48 hours (24 hours for patients younger than six months of age). FREEZE and protect from light.	CP	SO
	Cat Scratch Antibody		See Bartonella Antibody			
1505	Catecholamines, 24 Hr Urine, Fractionated	81050, 82384, 82570	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.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1350	Catecholamines, Plasma (Includes Total and Fractionated Dopamine, Epinephrine, Norepinephrine)	82384	Lavender-top (EDTA) tube or green-top (heparin) 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.	CP	SO
1232	CBC (Complete Blood Count)	85027	Lavender-top (EDTA) tube - 3 ml whole blood. Pediatric minimum sample - 0.5 ml in lavender microtainer tube.		Hem	D24H
1232, 1233 39173 39144	CBC with Differential CD4 Count	85027 85007 85025	Lavender-top (EDTA) tube - 3 ml whole blood. Pediatric minimum sample - 0.5 ml in lavender microtainer tube. See Lymphocyte Subset		Hem	D24H
51033	CD 19 Phenotyping by Flow	88184, 88185	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.	Immun	D/1
51053	CD 20 Phenotyping by Flow	88184, 88185	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.	Immun	D/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
34256	CD 34 (CD34 Stem Cell Determination)	86367	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	Immun	D/1
8627	CEA (Carcinoembryonic Antigen)	82378	Serum gel tube - 3 ml serum		Chem	D24H
37508	Celiac Disease Antibody Profile	8278491x2	Red-top or Serum gel tube - 2 ml serum Minimum volume - 0.5 ml		Chem	D/1
37509	Celiac Disease IgG Antibody Profile	8278491x2	Red-top or Serum gel tube - 2 ml serum Minimum volume - 0.5 ml		Chem	D/1
47395	Cell Count, CSF	89051	Submit CSF in sterile specimen container. Specify tube #. Do not use any preservative or additive.		Hem	D24H
39910	Cell Count, Body Fluid	89051	Submit body fluid in sterile specimen container. Specify fluid type. Do not use any preservative or additive.		Hem	D24H
39916	Cell Count, Bronchial Wash	89050	Submit fluid in sterile specimen container. Do not use any preservative or additive.		Hem	D24H
51054	Cell Viability Phenotyping (7 AAD Phenotyping by Flow)	88184, 88185	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.	Immun	D/1
	Celontin		See Methsuximide			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
21281	Centromere Autoantibody, Quantitative	86038	Red top or Serum gel tube - 1 ml serum Minimum volume - 0.5 ml.	Maintain specimen at room temperature.	CP	SO
43417	Ceruloplasmin (Copper Oxidase)	82390	Red-top or Serum gel tube - 1 ml serum (preferred) or plasma. Minimum volume - 0.5 ml.	Separate serum or plasma from cells within 45 minutes. Transfer separated serum or plasma to plastic transport tube. Refrigerate. Reject: Hemolysis.	CP	SO
	CF Testing		See Cystic Fibrosis Screening			
	CGH		See Comparative Genomic Hybridization			
	CH12		See Comprehensive Metabolic Pkg			
	CH50		See Complement, Total			
	CH7		See Basic Metabolic Pkg			
	Charcot-Marie-Tooth (CMT Complete) (PMP22)		See CMT Complete			
39262 43336 (PRE) 43337 (POST)	Chimerism Analysis	81265 (PRE), 81267 (POST)	Lavender-top (EDTA) tube - 4 ml. whole blood.	Maintain specimen at room temperature.	DNA	M-F/ 1
	<i>Chlamydia</i> Culture		See Culture, Chlamydia			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
32450	<i>Chlamydia</i> Antibody Panel (IgG)	86631	Serum gel tube - 1.0 ml serum Minimum volume - 0.5 ml.	Maintain specimen at room temperature. Reject: Hemolysis; lipemia; gross bacterial contamination.	CP	SO
43564	<i>Chlamydia</i> /GC by PCR, Pap	87491, 87591	Liquid-based Cytology Vial	Maintain specimen at room temperature.	DNA	M-S
37140	<i>Chlamydia</i> / GC by PCR, Swab	87491, 87591	Swab.	Obtain Roche collection kit for swabs	DNA	M-S
37141	<i>Chlamydia</i> / GC by PCR, Urine	87491, 87591	Urine - 15 - 60 ml of first void urine	Use Roche collection kit for urines. Patient should not have urinated 1 hour prior to collection	DNA	M-S
1327	Chloride	82435	Light green plasma Serum gel tube - 1.0 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.		Chem	D24H
1199	Chloride, 24 Hr Urine	81050, 82436, 82570	Urine - 24 hour collection, no preservative required.		Chem	D24H
1674	Cholesterol	82465	Light green plasma Serum gel tube - 1.0 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.		Chem	D24H
	Cholesterol, VAP		See Lipid Panel, Direct Measured			
45834	Cholinesterase, Pseudo	82480	Serum gel tube- 3 ml serum		Chem	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
3431	Chromogranin A	86316	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.	CP	SO
43577	Chromium and Cobalt, WB	82495, 83018	Royal blue-top (EDTA) tube - 4 ml. whole blood	Ambient temperature is acceptable for shipping and/or short-term storage (three days); specimen may also be refrigerated or frozen.	CP	SO
1732	Chromium, Plasma	82495	Royal Blue Top (metal free EDTA) - 3.0 ml plasma. Minimum volume - 1.5 ml.	Separate plasma into plastic sendoff vial immediately after collection. Maintain specimen at room temperature.	CP	SO
42782	Chromium, Urine	82495, 82570	Urine - 5.0 ml of random urine in plastic urine container, no preservative. Minimum volume - 0.6 ml.	Maintain specimen at room temperature.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
19270	Chromogenic Factor Xa (Stuart Factor)	85260	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. Reject: Hemolysis; clotted specimen; specimen not received frozen	CP	SO
2845	Chromosome Analysis, Amniotic Fluid	88280, 88235, 88269, 82106	Amniotic Fluid - 20 to 30 cc. in 2 to 3 conical tubes	Store and transport at room temperature only.	Gene	M-F/1
2846	Chromosome Analysis, Chorionic Villus	82235, 88267, 88280, 88285	Chorionic Villus - 10 to 30 mgs.	Store and transport at room temperature only.	Gene	M-F/1
2854	Chromosome Analysis, Solid Tissue	88262, 88233	Tissue - Place sample in transport or viral media provided by lab.	Store and transport at room temperature only.	Gene	M-F/1
2855	Chromosome Analysis, Solid Tumor	88262, 88239	Tumor - Place sample in transport or viral media provided by lab.	Store and transport at room temperature only.	Gene	M-F/1
2849	Chromosome Analysis, Bone Marrow	88262, 88237x2	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.	Gene	M-F/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
9903	Chromosome Analysis, Focused Analysis	88230, 88262	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.	Gene	M-F/1
43378	Chromosome Analysis, Lymph Node	88262, 88237	Lymph Node - Place sample in transport or viral media provided by lab.	Store and transport at room temperature only.	Gene	M-F/1
2848	Chromosome Analysis, Neonatal Blood	88230x2, 88262, 88285	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.	Gene	M-F/1
2847	Chromosome Analysis, Peripheral Blood	88230, 88262	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.	Gene	M-F/1
	Chromosome Microarray Analysis		See Comparative Genomic Hybridization			
19250	Circulating Anticoagulant (Mixing Studies) - PT	8561191x6	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.	SPHem	M-F/ 1,2
19251	Circulating Anticoagulant (Mixing Studies) - PTT	8573291x6	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.	SPHem	M-F/ 1,2

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Circulating Immune Complexes		See C1q Binding			
	Circulating Platelet Antibodies		See Platelet Antibodies			
1243	Citric Acid, 24 Hr Urine	82507	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.	CP	SO
51877	Clobazam	80339	Red-top tube or green-top (heparin) tube - 1 ml. serum or plasma	- Serum or plasma should be separated from cells within two hours of venipuncture. Transfer separated serum or plasma to a plastic transport tube. Maintain specimen at room temperature or refrigerate.	CP	SO
1249	Clomipramine (Anafranil)	82542	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.	CP	SO
41449	<i>Clostridium difficile</i> Toxin, PCR	87493	Collect soft or liquid stool in sterile, wide mouth container.	Storage Instructions: Refrigerate at 2°C to 8°C after collection.	MC	D/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
42575	<i>Clostridium difficile</i> Antigen and Toxin	87449, 87324	Collect soft or liquid stool in sterile, wide mouth container.	Storage Instructions: Refrigerate at 2 °C to 8 °C after collection.		
8680	Clozapine (Clozaril)	80159	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.	CP	SO
	CMP		See Comprehensive Metabolic Pkg			
32049	CMT Complete	81325	Lavender-top (EDTA) tube - 10 ml. whole blood.	Room temperature, avoid freezing. Ship same day, must arrive Monday - Friday.	Gene	SO
1877	CMV Antibody, IgM	86645	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.	CP	SO
1539	CMV Antibody, Total	86645	Serum gel tube - 1 ml serum	Frozen 14 days	SM	M-F/ 1
1836	CMV Antibody, IgG	86644	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.	CP	SO
1712	CMV PCR, Detect, Amniotic Fluid	87496	Amniotic fluid, uncentrifuged, in sterile container - 1 ml., FROZEN Minimum volume - 0.5 ml.	Reject: Quantity not sufficient for analysis; gross contamination; specimen too old; leaking or broken tube	CP	SO
27281	CMV, CSF (IgG & IgM)	86644, 86645	CSF - 2 ml.	Refrigerate.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
43352	CMV Quant. WHO Standard (CMV detection by Real-time PCR, CMVQ1, CMV Viral Load)	87497	PPT tube - 5 ml whole blood	Spin within 2 hours of collection. Maintain at room temperature. Do not combine with other codes. A separate tube is needed for processing.	DNA	M-Su/1
38344	CMV, Urine PCR Quant.	87497	Urine - 2 ml. of random urine in sterile specimen container Minimum volume: 0.5 ml.	Transfer to a sterile screw top tube for shipment. Can be shipped at ambient or frozen temperature Monday thru Friday. Specimens shipped at ambient temperature must be received within 96 hours of collection.	CP	SO
	CO2		See Carbon Dioxide			
1006	Coagulation Survey (Includes PT, PTT, Fibrinogen, Platelet Count)	85384, 85730, 85049, 85610	One (1) Blue-top (sodium citrate) and One (1) Lavender-top (EDTA) tube - 7.5 ml whole blood total	Centrifuge, separate, and FREEZE plasma from blue-top tube in plastic send-off vial.	Hem	D24H
1511	Cocaine, Urine	82520	Urine - 10 ml random urine in sterile specimen container		Chem	D24H
32187	Coffin Lowry Tier 1 Tier 1)	(RSK2) 81479	Lavender-top (EDTA) tube - 5 to 7 ml. whole blood		CP	SO
	Cold Agglutinins		See Mycoplasma IgM Antibody			
	Collagen Crosslinked N-Telopeptide		See N-Telopeptide Crosslinks			

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Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
41530	Comparative Genomic Hybridization	88386x6, 83891x2	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.	DNA/Gene	M-F/1
5419	Complement C2	86160	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. Maintain specimen at room temperature. Reject: Hemolysis; plasma specimen.	CP	SO
43414	Complement C3	86161	Red-top or Serum gel tube - 2 ml serum		Chem	D24H
43415	Complement C4	86161	Red-top or Serum gel tube - 2 ml serum		Chem	D24H
1021	Complement C5a	86160	Lavender-top (EDTA) tube - 1 ml. plasma, FREEZE Minimum volume - 0.5 ml.	Centrifuge, separate and FREEZE plasma in plastic sendoff vial. Ship on dry ice.	CP	SO
	Complement Fixation		See Fungus Serology			
1591	Complement, Total (CH50)	86162	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. FREEZE. Reject: Specimen not transported frozen, lipemia; plasma.	CP	SO
	Complete Blood Count		See CBC			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	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	Light green plasma Serum gel tube - 2 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.		Chem	D24H
34177	Comprehensive Metabolic Pkg - CMP (Includes Na, K, Cl, CO2, Gluc, BUN, Creat, Alb, TP, Bili, AST, Ca) with GFR <i>Reference Lab Only</i>	80053	Light green plasma Serum gel tube - 2 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.		Chem	D24H
32023	Congenital Hypomyelination	81228	Lavender-top (EDTA) tube - 5 to 10 mls. Whole blood	Room temperature.	Gene	SO
	Copper Oxidase		See Ceruloplasmin			
1026	Copper, 24 Hr Urine	82525, 81050	Urine - 5 ml. aliquot from a 24 hr. urine collection, no preservative required Minimum volume - 1.3 ml.	Maintain specimen at room temperature.	CP	SO
1025	Copper, Plasma	82525	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 plastic sendoff tube for transport within 45 minutes of collection. Maintain specimen at room temperature. Reject: Serum gel tube or Red Top. Specimens received unspun or still remaining in a blue-top tube will be rejected.	CP	SO
	Coproporphyrin		See Porphyrins			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
8607	Cortisol	82533	Light green plasma Serum gel tube - 2 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.		Chem	D24H
1586	Cortisol, Free 24 Hr Urine	82530	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.	CP	SO
	Cotinine		See Nicotine			
1876	Coumadin (Warfarin)	82491	Red-top, lavender-top (EDTA) or green-top (heparin) tube - 2 ml serum or plasma Minimum volume - 1.0 ml. Do not use a gel-barrier tube.	Transfer serum or plasma into transport tube. Refrigerate. Reject: Serum gel tube.	CP	SO
37068	<i>Coxsackie A</i> IgG IgM Antibody Panel	86658x8	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.	CP	SO
1834	<i>Coxsackie B</i> Antibodies	86658x6	Red-top tube or Serum gel tube - 3.0 ml. Minimum volume - 1.0 ml.	Refrigerate. Reject: Hemolysis; lipemia; gross bacterial contamination.	CP	SO
1172	<i>Coxsiella burnettii</i> Antibody Panel, IFA	86638	Red-top tube or Serum gel tube - 1.0 ml. serum	Refrigerate. Reject: Hemolysis; lipemia	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1267	C-Peptide, Serum	84681	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. Reject: Citrate plasma specimen.	CP	SO
9869	CPK Isoenzymes (Includes Total CK, CPK-MB, %MB)	82550, 82553	Light green plasma Serum gel tube - 3.0 ml plasma. Pediatric minimum sample - 2.0 ml.		Chem	D24H
1504	CPK, Total	82550	Light green plasma Serum gel tube - 1.0 ml plasma. Pediatric minimum sample - 0.7 ml in Brown bullet.		Chem	D24H
34184	Creatinine with GFR	82565	Light green plasma Serum gel tube - 1.0 ml plasma. Pediatric minimum sample - 0.7 ml in Brown bullet.		Chem	D24H
1632	Creatinine Clearance	82575, 81050	Light green Serum gel tube - 1.0 ml plasma AND Urine, 24 hr. collection, no preservative required.		Chem	D24H
1730	Creatinine, 24 Hr Urine	81050, 82570	Urine, 24 hr. collection, no preservative required.		Chem	D24H
1869	Creatinine, Urine	82570	Urine - 10 ml random urine in sterile specimen container		Chem	D24H
	Crohn's Disease Panel		See Saccharomyces cerevisiae Panel			
35661	Crossmatch by Flow Cytometry	86825, 8682691	Red-top tube - 4.0 ml.	Maintain at room temperature.	Immun	D24H
1735	Crossmatch for ABO/RH	86850, 86900, 86901	Lavender-Top (EDTA) or pink-top (EDTA) tube - 5 ml whole blood	Must be completely hand labeled with patient name, medical record #, unique armband #, date, time and collector's initials.	BB	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1242	Crossmatch for Transplant (Donor and Recipient Only)	86805x2, 86825, 86826x2	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.	Immun	D24H
1105	Cryofibrinogen	82585	Lavender-top (EDTA) tube - 5 ml whole blood	Keep warm and deliver ASAP to lab.	SPHem	M-F/1
1354	Cryoglobulin	82595	Red-top tube - 5 ml whole blood	Keep warm and deliver ASAP to lab. Maintain specimen at 37°C prior to testing. Cryoglobulin must be ordered in conjunction with a Cryofibrinogen. Reject: Serum gel tube	SPHem	M-F/1
1041	Cryptococcus, CSF	86403	CSF - 1.0 ml in sterile tube		SM	D/1
1035	Cryptococcus, Antigen	86403	Serum gel tube - 3 ml serum		SM	D/1
1261	Crystal Exam, Synovial Fluid	89060	Synovial Fluid - 1.0 ml of synovial fluid submitted in Green-Top (heparin), Red Top or stoppered syringe.	Specify source.	Hem	D24H
	Culture, <i>Histoplasma capsulatum</i>		See Blood Culture, Histoplasma		MC	D24H
5609	Culture, Body Fluid (Bacterial)	87070, 87205	Body Fluid - 1 ml. in sterile screw top vial.	Specify source. Refrigerate at 2-8° C if transport is delayed more than 24 hours.	MC	D24H
8216	Culture, CSF (AFB)	87116	CSF - 1 ml. in sterile screw top vial.	Refrigerate at 2-8° C if transport is delayed more than 24 hours.	MC	D24H
1202	Culture, CSF (Bacterial)	87070, 87205	CSF - 1 ml. in sterile screw top vial.	CSF specimens submitted on swabs are unacceptable for CSF culture. Refrigerate at 2-8° C if transport is delayed more than 24 hours.	MC	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
29864	Culture, CSF (Viral - Adult)	87254x4	CSF - 1 ml. in sterile screw top vial.	Refrigerate at 2-8° C if transport is delayed more than 24 hours. CSF specimens submitted on swabs are unacceptable for CSF culture.	MC	D24H
29863	Culture, CSF (Viral - Neonate)	87254x4	CSF - 1 ml. in sterile screw top vial.	Refrigerate at 2-8° C if transport is delayed more than 24 hours. CSF specimens submitted on swabs are unacceptable for CSF culture.	MC	D24H
1252	Culture, Upper Respiratory Tract (Bacterial)	87070, 87205	Cultures for the following organisms require additional culture media: C. diphtheriae, B. pertussis, N. meningitidis, N. gonorrhoeae, Fusospirochetal symbiotic disease. Collect an additional swab for each type of culture ordered.	<u>Nose:</u> Swab anterior 15 mm of both nares. <u>Nasopharynx:</u> Pass a Bradford wire swab back through the nose until it comes in contact with the posterior nasopharyngeal wall, then rotate the swab gently in this position before removing it. <u>Oropharynx:</u> See Culture, Throat Screen for Group A Beta Strep. Refrigerate at 2 - 8° C, if transport is delayed more than 2 hours.	MC	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1710	Culture, Blood, AFB, MAI	87116	1.0 - 5.0 mL in Myco/F Lytic (White Top/Red Label)		MC	D24H
5615	Culture, Blood, Fungus	87103	1.0 - 5.0 mL in Myco/F Lytic (White Top/Red Label)	Do not collect Isolator™ tube.	MC	D24H
5615	Culture, Blood, Histoplasma	87103	Adult - 10.0 mL in Gold/Black Top isolator™ tube Pediatric - 1.5 mL in Gold Top isolator™ tube		MC	D24H
1002	Culture, Blood, Routine Adult	87040	20.0 ML Blood/Culture 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)	Set Never put more than 10.0 mL in one blood culture bottle.	MC	D24H
1002	Culture, Blood, Routine, Pediatric - 1 month - 2 years	87040	2.0 - 3.0 mL Blood/Culture - 1.0 - 1.5 mL in Plus Aerobic/F (Gray Top) and 1.0 - 1.5 mL in Lytic Anaerobic/F (Purple Top)	If you collect less than 2.0 mL of blood, put all blood in the aerobic bottle.	MC	D24H
1002	Culture, Blood, Routine, Pediatric - 10 years - 15 years	87040	10.0 - 20.0 mL Blood/Culture - 5.0 - 10.0 mL in Plus Aerobic/F (Gray Top) and 5.0 - 10.0 mL in Lytic Anaerobic/F (Purple Top)	If you collect less than 2.0 mL of blood, put all blood in the aerobic bottle.	MC	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1002	Culture, Blood, Routine, Pediatric - 2 years - 10 years	87040	3.0 - 5.0 mL Blood/Culture - 1.5 - 2.5 mL in Plus Aerobic/F (Gray Top) and 1.5 - 2.5 mL in Lytic Anaerobic/F (Purple Top)	If you collect less than 2.0 mL of blood, put all blood in the aerobic bottle.	MC	D24H
1002	Culture, Blood, Routine, Pediatric - Neonate	87040	1.0 - 2.0 mL Blood/Culture - 1.0 mL in Plus Aerobic/F (Gray Top) and 1.0 mL in Lytic Anaerobic/F (Purple Top)	If you collect less than 2.0 mL of blood, put all blood in the aerobic bottle.	MC	D24H
	Culture, Bone Marrow	87254x2, 87252	Bone Marrow is sent to Special Hematology for inoculation into Yellow Top SPS Tube		MC	D24H
5614	Culture, Cath Tips	87070, 87205	Foley cath tips are not acceptable	Place tip of catheter in sterile screw top container. Refrigerate at 2-8° C if transport is delayed more than 24 hrs.	MC	D24H
5612	Culture, Exudate from Wound Abscess and Lesions (Bacterial, Viral)	87070, 87205	Specimens submitted on culturette swabs are suboptimal for AFB and fungal cultures, but are acceptable. For viral culture, collect an additional swab and place in viral transport media.	Collect aspirate using needle and syringe. Cleanse site to be cultured thoroughly. If culture site is dry, collect using a culturette swab. Refrigerate at 2 - 8° C if transport is delayed more than 24 hours.	MC	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
5620	Culture, Eye/Ear (Bacterial)	87070, 87205	Wash eye with sterile normal saline to remove superficial exudate. Specimens for GC from newborns must be collected prior to the Crede procedure.	Using a small NP swab, touch mucosal surface and place swab in culturette container. Break ampule to moisten swab.	MC	D24H
3462	Culture, Fungus and KOH Prep (Hair, Nail or Skin)	87101, 87206	Lesions should be untreated with topical antifungal agents for one week before culturing.	<p>Hair - Remove 10-12 infected hairs with forceps and place in sterile container or between 2 glass slides.</p> <p>Skin Scrapings - Cleanse skin with alcohol sponge. Scrape entire periphery of lesion with scalpel blade or cytology brush. Place scrapings between 2 glass slides or sterile container.</p> <p>Nail - Cleanse nail with alcohol sponge. Remove first portion of debris under nail with scapel and discard. Scrape remaining portion and place between 2 glass slides. Refrigerate at 2 - 8° C if transport is delayed more than 24 hours.</p>	MC	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
5610	Culture, Genital (Bacterial and Fungal)	87070	Use culturette swab to collect exudate from vaginal or cervical area or from penile discharge. Return swab to holder and crack ampule to preserve specimen. Do not refrigerate. Bring specimen directly to Micro within 15 minutes.		MC	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1177	Culture, Genital (Viral)	87255	When collecting a swab, obtain cells from the margin of the lesion. Viruses are found inside human cells.	Remove obvious exudate from culture site with sterile swab. Use second swab to scrape mucosal surface well to obtain mucosal cells and then place swab in viral transport media. Refrigerate at 2 - 8 ° C, if transport is delayed more than 2 hours.	MC	D24H
1091	Culture, Herpes	87254	When collecting a swab, obtain cells from the margin of the lesion. Viruses are found inside human cells.	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 an appropriate viral transport media.		
	Culture, <i>Rochalimaea</i>		See Blood Culture, <i>Bartorella henselae</i>			
1252	Culture, Respiratory (Bacterial)	87070, 87205	For optimum results, obtain first morning specimen prior to breakfast. A single sputum sample may be used for bacterial, fungal and AFB if there is at least 5 mL of sputum. For viral culture, place a small amount (0.25 - 0.5 mL) into viral transport broth or send entire specimen. For AFB cultures, sputum culture should be collected first morning, 8 hours later and next day.	Submit specimen in sterile, wide mouth container. Refrigerate at 2 - 8° C, if transport is delayed more than 1 hour.	MC	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
29867	Culture, Respiratory (Viral)	87254x2, 87252	For viral culture, place a small amount (0.25 - 0.5 mL) into viral transport broth or send entire specimen. When collecting a swab for viral testing, obtain cells from the margin of the lesion. Viruses are found inside human cells.	<p>Nose: Swab anterior 15 mm of both nares.</p> <p>Nasopharynx: Pass a Bradford wire swab back through the nose until it comes in contact with the posterior nasopharyngeal wall, then rotate the swab gently in this position before removing it.</p> <p>Oropharynx: See Culture, Throat Screen for Group A Beta Strep.</p> <p>For viral culture, place swab into viral transport broth. Refrigerate at 2 - 8° C, if transport is delayed more than 2 hours.</p>	MC	D24H
1002	Culture, Stem Cells	87040	0.5 - 3.0 mL in Plus Aerobic/F (Gray Top)		MC	D24H
1270	Culture, Stool (Bacterial)	87045, 8704691	Specimen must be free of barium, bismuth, and oily suspensions. It cannot be mixed with urine. Diapers are not acceptable.	Use sterile stool container. Requires 10 to 25 gms of specimen. Refrigerate at 2 - 8° C, if transport is delayed more than 2 hours.	MC	D24H
1177	Culture, Stool (Viral)	82754	Specimen must be free of barium, bismuth, and oily suspensions. It cannot be mixed with urine. Diapers are not acceptable.	Collect a formed stool in sterile container. Swab is also acceptable.	MC	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
9866	Culture, Throat Screen for Group A Beta Strep	87081		Use culturette swab. Depress tongue with tongue blade and swab tonsillar area, posterior pharynx, and any areas of inflammation.	MC	D24H
21266	Culture, Tissue (Bacterial)	87071, 87205	Do not submit entire appendages. Do not use anaerobe collection device. If Bartonella is requested, submit lymph node biopsy or aspirate.	Remove tissue aseptically and place in sterile container with just enough sterile normal saline to keep tissue moist. Transport to lab within 24 hours.	MC	D24H
1227	Culture, Urine (Bacterial)	87086		Use urine culture transport tube.	MC	D24H
1177	Culture, Urine (Viral)	87254		Collect 10 - 20 mL in sterile container.	MC	D24H
1177	Culture, Viral	87254	When collecting a swab, obtain cells from the margin of the lesion. Viruses are found inside human cells. Place swab in viral transport media. Refrigerate at 2-8°C if transport is delayed > 24 hours.	Submit one (1) mL CSF or fluid in sterile container. Refrigerate at 2-8° C, if transport is delayed more than 24 hours.	MC	D24H
1523	Cyanide	82600	Gray Top (sodium fluoride) - 1 ml whole blood Minimum volume - 0.5 ml.	Refrigerate.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
38003	Cyclic AMP, Plasma or Urine	82030, 82570	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 freeze plasma immediately in a plastic transport vial. Freeze urine in plastic transport vial. Be careful to identify which vial is serum vs. urine.	CP	SO
1385	Cyclosporine	80158	Lavender-top (EDTA) tube - 3 ml whole blood. Pediatric minimum sample - 0.5 ml in lavender microtainer tube.		Chem	D/1,2
43420	Cystatin C	82610	Red-top or Serum gel tube - 1 ml serum Minimum volume - 0.5 ml.	Overnight fasting is preferred. Separate serum from red blood cells. Maintain specimen at room temperature or refrigerate.	CP	SO
5628	Cysteine Determination	84999	Green-top (lithium heparin) tubes - 2 tubes	Must deliver to Immunology within 10 minutes of collection.	Immun	D24H
9815	Cystic Fibrosis Screening Panel (Cystic Fibrosis Genotyping, CFTR Testing)	81220	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.	DNA	M-F/ 1
22922	Cysticercosis (Taenia solium)	86682	Red-top or Serum gel tube - 1 ml serum, FROZEN	Transfer separated serum or plasma to a plastic transport tube. FREEZE.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1167	Cystine (Quantitative), 24 Hr Urine	82131	Urine - 24 hr. collection, no preservative required - 5 ml. aliquot. Minimum volume - 2.5 ml. aliquot	The test request form must state date and time collection started and finished. The test request form must state whether patient is taking penicillamine. Measure and record on the test request form 24-hour total urine volume. Refrigerate.	CP	SO
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.	Cyto	M-F/1
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.	Cyto	M-F/1
1608	Cytology, CSF	88161	Submit CSF in sterile specimen container or stoppered syringe. Do not use any preservatives or additives.	Deliver ASAP to lab.	Cyto	D/1
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.	Cyto	M-F/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
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.	Cyto	M-F/1
41750	D-Dimer, Quantitative	85379	Blue-top (sodium citrate) tube - 2.7 ml whole blood.	Reference Lab Clients - Centrifuge, separate and freeze plasma in plastic sendoff vial.	Hem	D24H
8238	Dehydrocholesterol, 7 or 8 (7-Dehydrocholesterol)	82542	Lavender-top (EDTA) or green-top (heparin) tube - 1 ml. Plasma, FROZEN	Reference Lab Clients - Centrifuge, separate and freeze plasma in plastic sendoff vial.	CP	SO
	Dehydroepiandrosterone		See DHEA			
	Dehydroepiandrosterone Sulfate		See DHEA Sulfate			
	Delta Aminolevulinic Acid		See Aminolevulinic Acid			
	Delta OD 450		See Amniotic Fluid Scan			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
36391	Demerol (Meperidine)	83925	Red-top tube, lavender-top (EDTA) tube, or green-top (heparin) tube - 1 ml. serum or plasma. Minimum volume - 0.3 ml. Do not use a gel-barrier tube.	Transfer separated serum or plasma to a plastic transport tube. Reject: Use of gel-barrier Tube	CP	SO
32068	Dengue Fever IgG Antibody	86790	Red-top or Serum gel tube - 1 ml. serum.	Maintain specimen at room temperature.	CP	SO
1687	Deoxycorticosterone	82633	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.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Depakote		See Valproic Acid			
	Desipramine (Tricyclic)		See Imipramine (Tofranil)			
1887	Desyrel (Trazodone)	82542	Red-top tube - 2.0 ml serum Minimum volume - 1.0 ml. Do not use a gel-barrier tube.	Refrigerate. Reject: Serum gel tube	CP	SO
8227	DFA-Adenovirus	87260		Collect 1 to 2 mL of sample into sterile specimen container. Acceptable specimens are lesion basal cell scrapings, tissue, nasal washings, sputum, bronchial washings, tracheal specimens. Culturette swabs also acceptable. Refrigerate at 2 - 8° C, if transport is	MC	D24H
8222	DFA - Herpes Simplex 1	87274		Obtain 3 acetone cleaned slides from laboratory with slide container. Collect epithelial cells from lesion onto a sterile swab. Transfer cells directly to acetone cleaned slides by rolling swab back and forth over 5 to 10 mm area of slide. Air dry slide completely before placing in slide container.	MC	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
8223	DFA - Herpes Simplex 2	87273		Obtain 3 acetone cleaned slides from laboratory with slide container. Collect epithelial cells from lesion onto a sterile swab. Transfer cells directly to acetone cleaned slides by rolling swab back and forth over 5 to 10 mm area of slide. Air dry slide completely before placing in slide container.	MC	D24H
8229	DFA - Varicella Zoster	87290		Obtain 3 acetone cleaned slides from laboratory with slide container. Collect epithelial cells from lesion onto a sterile swab. Transfer cells directly to acetone cleaned slides by rolling swab back and forth over 5 to 10 mm area of slide. Air dry slide completely before placing in slide container.	MC	D24H
8224	DFA - Influenza A	87276		Collect 1 to 2 mL of sample into sterile specimen container. Acceptable specimens are lesion basal cell scrapings, tissue, nasal washings, sputum, bronchial washings, tracheal specimens. Culturette swabs also acceptable. Refrigerate at 2 - 8° C, if transport is delayed more than 24 hours.	MC	D24H
8225	DFA - Influenza B	87275		Collect 1 to 2 mL of sample into sterile specimen container. Acceptable specimens are lesion basal cell scrapings, tissue, nasal washings, sputum, bronchial washings, tracheal specimens. Culturette swabs also acceptable. Refrigerate at 2 - 8° C, if transport is delayed more than 24 hours.	MC	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
8228	DFA - Respiratory Syncytial Virus (RSV)	87280		Collect 1 to 2 mL of sample into sterile specimen container. Acceptable specimens are lesion basal cell scrapings, tissue, nasal washings, sputum, bronchial washings, tracheal specimens. Culturette swabs also acceptable. Refrigerate at 2 - 8° C, if transport is delayed more than 24 hours.	MC	D24H
1391	DHEA (Dehydroepiandrosterone)	82626	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.	CP	SO
1392	DHEA-S (Dehydroepiandrosterone Sulfate)	82627	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.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	DHT		See Dihydrotestosterone			
33453	Diamond Blackfan Anemia (RPS19 Sequence Analysis)	81405	Lavender-top (EDTA) tube - 5 to 7 ml. whole blood	Keep at room temperature.	CP	SO
	Dicodid		See Hydrocodone			
31597	Difenacoum	82491	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	CP	SO
	Differential(Diff)		See CBC			
8640	Digoxin	80162	Serum gel tube - 2.0 ml serum, Pediatric minimum sample - 0.7 ml		Chem	D24H
19288	Dihydrotestosterone, Free	Call Client Services	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.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
9796	Dihydrotestosterone, Total (17 Beta-Hydroxy-5-Alpha-Androstane-2-One)	82651	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.	CP	SO
	Dilantin		See Phenytoin			
38017	Diphtheria Antibody	86317	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.	CP	SO
1139	Direct Coombs	86880	Lavender or pink-top (EDTA) tube - 4.0 ml whole blood		BB	D24H
32174	Disopyramide (Norpace)	80299	Red-top tube, lavender-top (EDTA) tube, or green-top (heparin) tube - 1.0 ml. serum or plasma. Minimum volume - 0.5 ml. not use a gel-barrier tube.	Transfer serum/plasma to plastic transport vial. Reject: Hemolysis; lipemia; icterus; use Do of gel-barrier tube	CP	SO
1245	DNA Analysis (DNA Index, DNA Ploidy)	88182	Tissue - Fresh or paraffin embedded		Immun	D/1
19284	DNase B Titer (ADB, Streptodornase)	86215	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.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Dolophine		See Methadone Screen			
33209	Dopa Responsive Dystonia	81405, 88271x20, 88291	Lavender-top (EDTA) tube - 5 to 10 ml. whole blood, adults and older children Minimum volume - 2 to 5 ml. whole blood, infants and young children	Refrigerate prior to shipping,	CP	SO
6994	Doxepin (Sinequan) Level	80166	Red-top, lavender-top (EDTA), or green-top (heparin) tube - 1 ml serum or plasma Minimum volume - 0.5 ml Do not use a gel-barrier tube.	Transfer serum/plasma to plastic transport vial. Refrigerate. Reject: Use of gel-barrier tube	CP	SO
19226	Drug Screen, Abused (Includes: Amphetamine, barbiturate, benzodiazepine, cannabinoid (THC), cocaine, opiate)	G0431x6	Urine - 50 ml random urine in sterile specimen container		Chem	D24H
32868	Drug Screen, Abused Without Confirmation (Includes: Amphetamine, barbiturate, benzodiazepine, cannabinoid (THC), cocaine, opiate)	G0431x6	Urine - 50 ml random urine in sterile specimen container		Chem	D24H
19228	Drug Confirmation, Amphetamine	80324	Urine - 30 ml random urine in sterile specimen container		CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
19229	Drug Confirmation, Barbiturate	80345	Urine - 30 ml random urine in sterile specimen container		CP	SO
19230	Drug Confirmation, Benzodiazepine	G6031, 80346	Urine - 30 ml random urine in sterile specimen container		CP	SO
19232	Drug Confirmation, Cocaine	80353	Urine - 30 ml random urine in sterile specimen container		CP	SO
19231	Drug Confirmation, Marijuana	80349	Urine - 30 ml random urine in sterile specimen container		CP	SO
19227	Drug Confirmation, Opiate	80301	Urine - 30 ml random urine in sterile specimen container		CP	SO
44455	Drug Analysis Profile, Pain Management 10 Drug Panel (Includes: Amphetamine, barbiturate, benzodiazepines, cannabinoid (THC), cocaine, methadone, opiates, oxycodone/oxymorphone, phencyclidine (PCP), propoxyphene)	80301	Urine - 50 ml random urine in sterile specimen container		CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
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	Urine - 50 ml random urine in sterile specimen container		CP	SO
43392	Drug Analysis Profile, Comprehensive, Urine	82570, 80301, 80302x4, 80346, 80334, 80326, 80353, 80358, 80361	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.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
43437	Drug, Blood 13-Class Profile (LabCorp MedWatch) Amphetamines (amphetamine, methamphetamine, MDA, MDMA), barbiturates, benzodiazepines, cocaine metabolite; fentanyl; meperidine and norperidine; methadone; opiates (6-acetylmorphine [6-AM], codeine, dihydrocodeine, hydrocodone, hydromorphone, morphine); oxycodone and oxymorphone; phencyclidine (PCP); propoxyphene; tetrahydrocannabinol (THC) and metabolite; tramadol and O-desmethyltramadol	80301, 80302, 80362, 80373	Gray-top (sodium fluoride) tube preferred, lavender-top (EDTA) tube, or green-top (heparin) tube - 10 ml. whole blood. Minimum volume - 4 ml. (does not allow for repeat testing).	Refrigerate or freeze.	CP	SO
5664	Drug Screen, Blood	80301	Gray-top (sodium fluoride/potassium oxalate) tube, lavender-top (EDTA) tube, or green-top (heparin) tube - 7 ml. whole blood. Minimum volume - 3 ml.	Refrigerate or freeze.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1628	D-Xylose Absorption - (Fasting, One-, Two-, Three-, Four-, and Five-Hour Blood + Five-Hour Urine)	84620	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.	CP	SO
1655	D-Xylose Absorption, Blood Only	84620	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.	CP	SO
9904	Duchenne Muscular Dystrophy, Screen	81479	Lavender-top (EDTA) tube - 5 to 7 ml. whole blood	Keep at room temperature.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
26538	Dystrophin Gene Full Mutation Analysis (Duchenne Muscular Dystrophy Full Sequencing)	81479	Lavender-top (EDTA) tube - 5 to 10 ml. whole blood	Keep specimen at room temperature.	CP	SO
	EBV by PCR		See Epstein Barr Virus by PCR			
1641	Echinococcus Antibody	86682	Red-top or Serum gel tube - 1 ml. serum, FROZEN. Minimum volume - 0.5 ml.	Transfer serum/plasma to plastic transport vial. FREEZE.	CP	SO
33273	EGFR Mutation Analysis (Epidermal Growth Factor Receptor)	81235	Paraffin Embedded Tissue, 3 unstained and 1 H&E	Maintain specimen at room temperature.	DNA	M-F/1
8670	Ehrlichia Chaffeensis Serology (Human Monocytic Ehrlichiosis (HME), IgG, IgM, IFA)	86666X2	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.	CP	SO
61219	Electrolytes (Includes Na, K, CO2, Cl)	80051	Light green plasma Serum gel tube - 2 ml plasma. Pediatric minimum sample - 0.7 ml in Brown bullet.		Chem	D24H
1488	Electrolytes, Urine (Includes Na, K, Creat, Cl)	82436, 82570, 84133, 84300	Urine - 5 ml random urine in sterile specimen container. Pediatric minimum sample - 1.0 ml.		Chem	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
32445	Embryotoxicity Assay	86849	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.	CP	SO
9930	Emery-Dreifuss MD	81404, 81405, 81406	Lavender-top (EDTA) tube - 4 to 10 ml. whole blood	Refrigerate prior to shipping,	CP	SO
	ENA Antibodies		See Extractable Nuclear Antigen			
38016	Endomysial Antibody (t-Transglutaminase (tTG), IgA)	83516	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.	CP	SO
28040	Entamoeba histolytica Antibody	86753	Red-top or Serum gel tube - 1 ml. serum Minimum volume - 0.5 ml.	Refrigerate.	CP	SO
	Enterovirus Antibody		See Polio Virus			
32737	Enterovirus by Real Time PCR, Qualitative, CSF	87498, 83912	CSF - 2.0 ml . Pediatric minimum - 0.5 ml FROZEN	Specimen should be frozen within two (2) hours of collection.	DNA	M-Su/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1060	Eosinophil Count (Body Fluid)	89190	Submit 3 ml fluid in sterile specimen container or stoppered syringe. Do not use preservative or additive.	Specify fluid type.	SPHem	M-F, S/1
	Epinephrine		See Catecholamines			
19297	Epstein Barr Titer, Acute Infection (Includes EBV-EA, IgG; EBV-VCA, IgG; EBV-VCA, IgM; EBNA)	86663, 86664, 8666591X2	Red-top or Serum gel tube - 2 ml. serum. Minimum Volume - 1 ml.	Refrigerate.	CP	SO
1828	Epstein Barr Titer (Chronic)	86663, 86664	Red-top or Serum gel tube - 3.5 ml. serum	Refrigerate.	CP	SO
37329	Epstein Barr Virus, PCR (Viral Load) Quantitative	87799, 83912	PPT tube - 5 ml whole blood	Centrifuge within 2 hrs of collection. Transport at room temperature.	DNA	M-F/ 1
	Erythrocyte Protoporphorin		See Protoporphyrin			
1073	Erythrocyte Sedimentation Rate (ESR)	85652	Lavender-top (EDTA) tube - 3 ml whole blood. Pediatric minimum sample - 2.0 ml in Lavender pediatric tube.	Reject: Blood collected in bullets. Specimen is stable for 6 hours at room temperature and up to 24 hours, if refrigerated.	Hem	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1893	Erythropoietin	82668	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.	CP	SO
	ESR		See Erythrocyte Sedimentation Rate			
1364	Estradiol	82670	Serum gel tube - 3 ml serum		Chem	D24H
1294	Estriol	82677	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.	CP	SO
1751	Estrogen	82672	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.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
29413	Estrone	82679	Red-top, Serum gel tube or lavender-top (EDTA) tube - 1.0 ml. serum or plasma. Minimum volume - 0.5 ml. Nonpregnant patients only.	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: Lipema, Gross Hemolysis, Icterus.	CP	SO
8209	Ethambutol	80101	Red-top or lavender-top (EDTA) tube - 1.0 ml serum or plasma. Do not use a gel-barrier tube.	Separate serum or plasma from cells and transfer to a plastic transport vial. Refrigerate.	CP	SO
1319	Ethanol (Quantitative)	82055	Red-top tube - 2 ml serum	Do not prep arm with alcohol. Do not uncap tube; no aliquots accepted.	Chem	D24H
1592	Ethosuximide (Zarontin)	80168	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.	CP	SO
1517	Ethylene Glycol	82693	Lavender-top (EDTA) tube - 5 ml whole blood	Do not uncap tubes. Do not prep skin with alcohol.	Chem	M-F, 1, 2 Weekend, 1; Other by Pathology approval only

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1095	Euglobulin Clot Lysis	85360	Blue-top (sodium citrate) tube - 2.7 ml whole blood	Call CMC Special Hematology at 704-355-9455 to schedule this test. Deliver to CMC Lab ASAP. Sample in original tube is stable for 4 hrs refrigerated. Test must be performed or plasma separated within 4 hours of collection. Reference Lab Clients - Centrifuge, separate and refrigerate plasma in plastic sendoff vial. Once separated, plasma is only stable for 2 hrs refrigerated. Do not freeze plasma.	SPHem	M-F/1
1875	Extractable Nuclear Antigens (ENA) - includes Anti-Smith & Anti-RNP	8623591X2	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.	CP	SO
9718	Facioscapulohumeral Muscular Dystrophy - (FSHD)	81404	Pink-top (K2-EDTA) tube - minimum 6 ml. whole blood	May be kept at room temperature for up to 24 hours, then refrigerate.	Gene	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
19303	Factor II	85210	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.	Hem	SO
9973	Factor V Leiden by PCR (Prothrombin Gene Mutation)	81240, 81241	Lavender-top (EDTA) tube - 4.0 ml whole blood. Pediatric minimum volume - 2.0 ml	Keep at room temperature.	DNA	M-F/1
1152 - V 1153 - VII 1154 - VIII 1160 - IX 1358 - X 1169 - XI 24331 - XII	Factor V, VII, VIII, IX, X, XI and XII Assays	85220 85230 85240 85250 85260 85270 85280	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.	Hem	D/1,2
1438	Factor VIII Inhibitor (Bethesda)	85335	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.	SPHem	M-F/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
27364	Factor VIII Multimers (VWF Multimer Assay)	85247	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.	CP	SO
1409	Factor VIII Related Antigen (VWF Antigen)	85246	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.	CP	SO
1174	Factor XIII	85290	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.	CP	SO
	FALS Disease (Familial Amyotrophic Lateral Sclerosis)		See Amyotrophic Lateral Sclerosis (SOD1)			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
32018	Familial Dysautonomia	81260	Lavender-top (EDTA) tube or yellow-top (ACD) tube - 7 ml. whole blood Minimum volume - 3 ml. OR Amniotic fluid - 10 ml. Minimum volume - 5 ml.	Maintain specimen at room temperature.	CP	SO
33692	Familial Mediterranean Fever (Periodic Fever Syndromes Panel - 7 genes sequenced)	81479x6, 81404, 84311	Lavender-top (EDTA) Tube - 5 to 7 ml whole blood	Room Temperature	Gene	SO
32172	Fasciola Antibody IgG	86682	Red-top or Serum gel tube - 1.0 ml serum	Maintain specimen at room temperature.	CP	SO
1059	Fat Stain, Blood	89125	Lavender-top (EDTA) tube - 3 ml whole blood		SPHem	M-F/1
1434	Fat Stain, Feces	89125	Submit specimen in sterile specimen container. Do not use any preservative or additive.		SPHem	M-F/1
1108	Fat Stain, Sputum					
1437	Fat Stain, Urine					
1514	Fecal Fat (Quantitative)	82710	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.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1630	Felbamate(Felbatol)	82542	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.	CP	SO
8616	Ferritin	82728	Light green plasma Serum gel tube - 3 ml plasma. Minimum sample - 1.5 ml serum in two (2) Brown bullets.		Chem	D24H
	Fetal Hemoglobin Stain		See Betke-Kleihauer			
37693	Fetal Maturity Pkg.	83664, 83662, 82570	Submit 3 ml amniotic fluid in sterile specimen container or stoppered syringe. Do not use preservative or additive.	Deliver ASAP to lab. Do not centrifuge specimen.	Chem	D24H
1360	Fibrinogen	85384	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.	Hem	D24H
30601	Filaria IgG4 Antibody	86682	Red-top or Serum gel tube - 1 ml. serum	Serum should be separated from cells within 2 hours of venipuncture. Send serum in a plastic transport tube.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
43351	FISH - 5Q Analysis	88271, 88275	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.	Gene	M-F/1
43386	FISH - 7Q Analysis	88271, 88275	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.	Gene	M-F/1
38748	FISH - ALL Panel	88271x9, 88275x4	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.	Gene	M-F/1
39174	FISH - ALK Panel	88368	4 unstained FFPE slides and 1 H & E			
38749	FISH - AML Panel	88271x15, 88275x8	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.	Gene	M-F/1
43389	FISH - AML and MDS Panel	88271, 88275	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.	Gene	M-F/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
8278	FISH - Aneuploid Screen, Neonate	88271x5, 88275	Chorionic Villus - 7 to 10 mgs. OR Amniotic Fluid - 3 to 5 mls. In conical tube	Keep at room temperature.	Gene	M-F/1
43429	FISH - FGFR1	88271, 88275	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.	Gene	SO
2852	FISH - Neoplastic BCR/ABL Gene Rearrangement	88271x2, 88275	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.	Gene	M-F/1
31456	FISH - CLL Panel	88271x6, 88275	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.	Gene	M-F/1
2851	FISH - DiGeorge Interphase	88271, 88275	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.	Gene	M-F/1
2857	FISH - DiGeorge/Velocardial Facial Syndrome - Metaphase Analysis	88271, 88273	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.	Gene	M-F/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
42008	FISH - ETV6-PDGFRB (Fluor Insitu Oncology B)	88271, 88275	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.	Gene	SO
42009	FISH - FIP1L1-PDGFRB (Fluor Insitu FISH Oncology)	88271, 88275	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.	Gene	SO
42781	FISH - Genetics (Parental FISH Confirmation for aCGH)	88271x2, 88272	Green-top (Sodium Heparin) tube - 3 to 5 ml whole blood.	Lithium Heparin is not acceptable. Keep at room temperature.	Gene	M-F/1
33443	FISH - Greig Syndrome	88230, 88271, 88273	Green-top (Sodium Heparin) tube - 5.0 ml whole blood.	Lithium Heparin is not acceptable. Keep at room temperature.	CP	SO
35162	FISH - Her-2/Neu Gene Amplification	88368x2	Submit formalin fixed , paraffin embedded tissue sections.		Gene	M-F/1
43350	FISH - IGH CCND1 Analysis	88271, 88275	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.	Gene	M-F/1
28196	FISH - Inversion 16 Analysis (M4 AML FISH)	88271, 88275	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.	Gene	M-F/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
33319	FISH - Lymphoma	88271x8, 88275	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.	Gene	SO
38746	FISH - MDS Panel	88271x7, 88275x4	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.	Gene	M-F/1
37166	FISH - MLLF (11q23)	88271, 88275	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.	Gene	M-F/1
2860	FISH - Miller Dieker Syndrome	88271, 88273	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.	Gene	M-F/1
31766	FISH - Multiple Myeloma Panel	88271x5, 88275	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.	Gene	M-F/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
42788	FISH - Oligodendroglioma 1p/19q	88368x4	Submit formalin fixed , paraffin embedded tissue sections.	Lithium Heparin is not acceptable. Keep at room temperature.	Gene	M-F/1
28194	FISH - PML/RARA Gene Rearrangement (T15;17)	88271x2, 88275	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.	Gene	M-F/1
2858	FISH - Prader Willi/Angelman Syndrome	88271x2, 88273	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.	Gene	M-F/1
32448	FISH - Rubinstein Taybi Syndrome	88230, 88271, 88273, 88291	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.	CP	SO
2859	FISH - Smith Magenis Syndrome	88271, 88273	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.	Gene	M-F/1
33368	FISH - Steroid Sulfatase Deficiency	88230, 88273, 88271, 88291	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.	CP	SO
40774	FISH - Translocation 8:21	88271, 88275	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.	Gene	M-F/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
31606	FISH -TEL AML1 t(12:21)	88271, 88275	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.	Gene	M-F/1
32870	FISH - Trichorhinophalangeal	88230, 88271, 88273, 88291	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.	CP	SO
28192	FISH - Trisomy 12 Analysis	88271, 88275	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.	Gene	M-F/1
28191	FISH - Trisomy 18 Analysis	88271, 88275	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.	Gene	M-F/1
28190	FISH - Trisomy 21 Analysis	88271, 88275	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.	Gene	M-F/1
33138	FISH - WAGR Panel	88230, 88271, 88273, 88291, 88280	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.	CP	SO
2856	FISH - Williams Syndrome	88271, 88273	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.	Gene	M-F/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
28193	FISH - XY Analysis	88271, 88275	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.	Gene	M-F/1
	FK506		See Prograf			
29300	Flecainide	82542	Red-top, lavender-top (EDTA), or green-top (heparin) tube - 3 ml serum Minimum volume - 1.1 ml. Do not use a gel-barrier tube.	Draw immediately prior to next dose unless otherwise instructed. Transfer separated serum or plasma to a plastic transport tube. Refrigerate. Reject: Serum gel tube.	CP	SO
35661	Flow Cytometry Crossmatch	86825	Red-top tube - 5 ml. whole blood Minimum volume - 4 ml.	Maintain specimen st room temperature. A green-top (heparin) tube may occasionally be required.	Immun	M-F/1
40757	Flow for Acute Leukemia	88184, 88185x22	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.	Immun	M-F/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
40754	Flow for ALPS		Lavender-top (EDTA) or green-top (heparin) tube - 5 ml. whole blood		Immun	M-F/1
40755	Flow for Chronic Lymphocytic Leukemia		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.		Immun	M-F/1
40756	Flow for CML		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.	Immun	M-F/1
40758	Flow for Lymphoma	88184, 88185x23	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.	Immun	M-F/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
40753	Flow for MDS		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.	Immun	M-F/1
40759	Flow for PNH	88184, 88185x2	Lavender-top (EDTA) tubes - 2 tubes, 5 ml. whole blood in each	Maintain specimen at room temperature.	Immun	M-F/1
	Fluorescent Treponemal Antibody (FTA)		See MHATP			
1888	Fluoxetine (Prozac)	82542	Red-top, lavender-top (EDTA), or green-top (heparin) tube - 2 ml serum 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.	CP	SO
27279	Fluphenazine (Prolixin)	84022	Red-top, lavender-top (EDTA), or green-top (heparin) tube - 2 ml serum Minimum volume - 1.0 ml. Do not use a gel-barrier tube.	Transfer serum or plasma to plastic transport tube within 45 minutes of blood collection. Refrigerate. Reject: Serum gel tube.	CP	SO
8610	Folate (Folic Acid)	82746	Light green gel-barrier tube - 2 ml plasma.	Protect from light. Reject: Hemolysis	Chem	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Folic Acid		See Folate			
	Follicle Stimulating Hormone		See FSH			
9975	Fragile X DNA Analysis	81243	Lavender-top (EDTA) tube - 5ml whole blood.	Keep at room temperature.	DNA	M-F/1
32013	Friedreich's Ataxia	81401	Lavender-top (EDTA) tubes - 20 ml. whole blood	Keep at room temperature.	Gene	SO
1926	Fructosamine	82985	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.	CP	SO
8645	FSH (Follicle Stimulating Hormone)	83001	Serum gel tube - 2 ml serum. Pediatric minimum sample -1.5 ml.		Chem	D24H
	FTA (Fluorescent Treponemal Antibody)		See MHATP			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
33137	Fucosidase, Alpha (Fucosidosis Disease Testing)	84311	Green Top (Sodium Heparin) - 5.0 to 10.0 ml whole blood.	Lithium Heparin is not acceptable. Keep at room temperature.	CP	SO
38850	Fungus Antibody Panel (Includes Aspergillus, Blastomyces, Histoplasma) by Complement Fixation	86606, 86612, 86635, 8669891x2	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.	CP	SO
1653	G6PD	82960	Lavender-top (EDTA) tube - 3 ml whole blood		SPHem	M, W, F / 1
16213	Gabapentin (Neurontin)	80171	Red-top, lavender-top (EDTA), or green-top (heparin) tube - 1 ml serum Minimum volume - 0.6 ml. Do not use a gel-barrier tube.	Transfer separated serum or plasma to a plastic transport tube. Maintain specimen at room temperature. Reject: Gel-barrier tube.	CP	SO
19299	Gabitril (Tiagabine)	80199	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.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
17678	GAD 65 Autoantibody	83519	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.	CP	SO
9617	Gamma Hydroxybutyric Acid, Urine	80101	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.	CP	SO
9614	Gamma Hydroxybutyric Acid, Serum	80101	Red-top or green-top (heparin) tube - 5.0 ml serum or plasma. Minimum volume - 1.2 ml. Gel-barrier tubes are not recommended.	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).	CP	SO
38380	Ganciclovir Resistant CMV	87910	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	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
19309	Ganglioside Autoantibody Evaluation (AsialoGM1 AB , Elisa)	83516x6	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.	CP	SO
1953	Ganglioside Monosialic Acid Antibody (GM1 AB,)	83516x2	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.	CP	SO
8599	Gastrin	82941	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	CP	SO
33441	Gaucher Affected Panel	82164, 82657x2	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.	CP	SO
19308	GD1B Antibody, Blood	83520x2	Serum gel tube - 1 ml serum. Red Top also acceptable.		CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
39795	Gentamicin	80170	Serum gel tube - 1 ml blood, Pediatric minimum sample - 0.7 ml in brown bullet		Chem	D24H
1029	GGT	82977	Lt green plasma gel tube - 2 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.		Chem	D24H
	GHB		See Gamma Hydroxybutyric Acid			
31764	Giardia Lamblia IgG, IgM, IgA Antibodies	86674x3	Red Top - 2 ml serum		CP	SO
	Good Pasture Syndrome		See Glomerular Basement Membrane Antibody			
	Anti - GBM Antibodies		See Glomerular Basement Membrane Antibody			
	Pancreatic Glucagon		See Glucagon			
1033	Glomerular Basement Membrane Antibody	83516	Serum gel tube - 1 ml serum. Minimum vol - 0.5 ml serum		CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
3438	Glucagon	82943		Contact Laboratory at 704-355-9350, option 1 before collection to obtain collection kit.		
38848	Glucose Tolerance, 2 hr Pediatric	82947, 82950	Refer to Special Collection Procedures			
38508	Glucose Tolerance, 3 hr 100g dose	82951, 82952	Refer to Special Collection Procedures			
38509	Glucose Tolerance, 2 hr 75g dose Non-pregnant	82947, 82950	Refer to Special Collection Procedures			
1219	Glucose, 24 Hr Urine	81050, 82945	Obtain jug for 24 hr collection. Requires container with no preservative.		Chem	D24H
1222	Glucose, CSF	82945	Submit 1.0 ml CSF in sterile specimen container.		Chem	D24H
1446	Glucose, Serum/Plasma	82947	Lt green plasma gel tube - 2 ml plasma. Pediatric minimum sample - 0.5 ml in brown bullet or green gel bullet.		Chem	D24H
1928	Glucose, Urine	82945	Urine - 2 ml random urine in specimen container		Chem	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Glutamic Acid Decarboxylase		See GAD 65 Autoantibody			
33207	Glycogen Storage 1A Carrier	81250	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	CP	SO
	Jewish Heritage Test		See Glycogen Storage 1A Carrier			
	vonGierke Disease		See Glycogen Storage 1A Carrier			
	Glycosated Hemoglobin		See Glycohemoglobin, Total			
8206	Glycohemoglobin, Total	83036	Lavender Top - 4 ml whole blood. Pediatric minimum - 0.5 in lavender bullet	Room temperature	CP	SO
1953	GM1 Antibodies		See Ganglioside Monosialic Acid Antibody			
32185	Gorlin Syndrome	83891, 83898x23, 83904x23	Two (2) Lavender Tops - 6.0 ml whole blood	Keep at room temperature.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Nevoid Basal Cell Carcinoma		See Gorlin Syndrome			
1156	Gram Stain	87205	Submit specimen. Gram stain will be performed in laboratory		MC	D24H
38751	Growth Hormone Stimulation Test	83003	Serum gel tube - 1 ml serum. Red Top also acceptable. Minimum vol - 0.3 ml	Reject: Hemolysis, Lipemia, Plasma	CP	SO
32741	Guanidinoacetate Creatine	82570, 82543, 82540	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	CP	SO
	H & H		See Hemoglobin & Hematocrit			
8655	<i>H. Pylori</i> IgG Antibody, Blood	86677	Red Top or Serum gel tube - 1 ml serum	Reject: Lipemic or Hemolyzed Specimens	CP	SO
23360	<i>H. Pylori</i> Antigen, Stool	87338	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.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
31593	<i>Haemophilus Influenza B</i> IgG Antibody	86684	Serum gel tube or red top - 1.0 ml serum	Refrigerate serum	CP	SO
	<i>Helicobacter Pylori</i>		See <i>H. Pylori</i>			
	HIB		See <i>Haemophilus Influenza B</i> IgG Antibody			
	Haldol		See Haloperidol			
	Aloperidine		See Haloperidol			
1895	Haloperidol (Haldol)	80173	Red Top - 4.0 ml serum. Lavender or green tube also acceptable.	Reject: Serum gel tube	CP	SO
1448	Haptoglobin	83010	Serum gel tube - 2.0 ml serum. Lavender or green top also acceptable	Reference Lab Clients - Centrifuge, separate and refrigerate serum in plastic sendoff vial.	Chem	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	HBV Superquant		See Hepatitis B Quantasure PCR			
	HCG (Human Chorionic Gonadotropin)		See Beta HCG			
22633	HDL Cholesterol (High Density Lipoprotein)	83718	Lt green plasma gel tube - 2.0 ml plasma.		Chem	D24H
1878	Heavy Metals Screen, Blood	82175, 83655, 83825	Dark Blue Top (Metal Free tube with EDTA Additive) - 3.0 ml whole blood.	Patient should abstain from seafood and wine for 72 hours prior to collection. Reject: Clotted specimens	CP	SO
1619	Heavy Metals Screen, Urine	82175, 82570, 83655, 83825	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.	CP	SO
	Hematocrit		See Hemoglobin & Hematocrit			
	C282Y & H63D Mutation Analysis/Detection		See Hemochromatosis			
	HLA - H		See Hemochromatosis			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	HFE		See Hemochromatosis			
43334	Hemochromatosis	81256	Lavender Top - 4.0 ml whole blood. Yellow top ACD tube also acceptable	Keep at room temperature.	DNA	M-F/1
2476	Hemoglobin & Hematocrit (H&H)	85018	Lavender Top - 3.0 ml whole blood. Pediatric minimum sample required is 0.5 ml in Lavender microtainer tube.		Hem	D24H
1197	Hemoglobin A1C (Glycosated)	83036	Lavender Top - 3.0 ml whole blood		Chem	D/1,2
22265	Hemoglobin A2, Quantitative	83020	Lavender Top - 3.0 ml whole blood		Hem	M-F,1
22263	Hemoglobin Fractionation by HPLC Scan (Quantitative)	83021	Lavender Top - 3.0 ml whole blood		Hem	M-F,1
1654	Hemoglobin, Plasma	83051	Green Top - 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.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Free Hemoglobin		See Hemoglobin, Plasma			
1432	Hemoglobin, Urine	81003	Urine - 2.0 ml random urine in sterile specimen container		Hem	D24H
1440	Hemosiderin, Urine	83070	Submit 10.0 ml random urine in sterile specimen container.	Reference Lab Clients - Refrigerate urine specimen.	SPHem	M-F/1
19247	Heparin Anti -Xa Assay	85520	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. Note: Lovenex vs unfractionated	Heme	D24H
19283	Heparin Cofactor II	85130	Blue Top - 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.	CP	SO
1097	Hepatic Function Panel (Includes Alb, Tbili,Dbili, Alk Phos, ALT, AST)	80076	Lt green plasma gel tube - 2.0 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.		Chem	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Liver Profile		See Hepatic Function Panel			
1658	Hepatitis A Antibody, IgM	86709	Serum gel tube or red top - 2.0 ml serum. Lavender or green top also acceptable		Chem	D24H
41448	Hepatitis A Profile (Anti - HAV) - includes Hepatitis A, Total and IgM	86709, 86708	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.	CP	SO
1705	Hepatitis A,B,C Panel Acute - Includes Hepatitis B Surface Antigen, Hepatitis B Core IgM, Hepatitis A IgM, Hepatitis C Antibody	80074	Serum gel tube or red top - 3.0 ml serum		Chem	D24H
	HBV Viral Load by PCR, Quantitative		See Hepatitis B Viral Load by PCR, Quantitative			
34727	Hepatitis B Viral Load by PCR, Quantitative	87517	Pearl top PPT tube - 4.0 ml whole blood	Reference Lab Clients: Centrifuge and freeze within 2 hours of collection.	DNA	M, F/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
41447	Hepatitis B Profile III - Includes Hepatitis B Surface Antigen, Hepatitis Be Antigen, Hepatitis Be Antibody	87340, 86707, 87350	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.	CP	SO
8696	Hepatitis B Core Antibody, Total	86704	Serum gel tube -2.0 ml serum. Red top also acceptable		Chem	D24H
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	Serum gel tube - 3.0 ml serum. Red top also acceptable		Chem	D24H
8623	Hepatitis B Surface Antibody	86706	Serum gel tube - 3.0 ml serum. Red top also acceptable		Chem	D24H
19285	Hepatitis B Surface Antibody to Endpoint Qualitative	86706	Serum gel tube - 2 ml serum. Red or lavender top tube also acceptable.	For transplant patients	CP	SO
8600	Hepatitis B Surface Antigen	87340	Serum gel tube -2.0 ml serum. Red top also acceptable		Chem	D24H
1121	Hepatitis C Antibody	86803	Serum gel tube - 3.0 ml serum. Red top also acceptable		Chem	D24H
	HCV Subtype		See Hepatitis C Genotype			

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Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
19296	Hepatitis C Genotype	87902	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.	CP	SO
34728	Hepatitis C Viral Load by PCR (Quantitative)	87522	Pearl top PPT tube - 3.0 ml plasma	Reference Lab Clients: Centrifuge and freeze within 2 hours of collection.	DNA	M,Th/1
43402	Hepatitis C Virus HCV GenoSure(R) NS3/4A	87900, 87902	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.	CP	SO
	HCV Drug Resistance		See Hepatitis C Virus HCV GenoSure(R) NS3/4A			
28043	Hepatitis D Antibody. Total (EIA)	86692	Red Top or Serum gel tube - 2.0 ml serum		CP	SO

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Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Hepatitis Delta		See Hepatitis D Antibody. Total (EIA)			
19286	Hepatitis E Virus IgG	86790	Red Top or Serum gel tube - 2.0 ml serum. Mimimum vol - 0.5		CP	SO
	Herpes - DFA Stain		See Viral DFA Stain			
50343	Herpes Simplex I & II, Specific Antibody (IgG)	86695, 86696	Red Top or Serum gel tube - 2.0 ml serum. Mimimum vol - 1.0 ml	Ref Lab Clients - Centrifuge, separate and refrigerate serum in plastic sendoff vial.	CP	SO
22246	Herpes Simplex IgM I/II Combination, Serum	86694	Red Top or Serum gel tube - 2.0 ml serum. Mimimum vol - 1.0 ml	Reject: Hemolysis, Lipemia Ref Lab Clients - Centrifuge, separate and refrigerate serum in plastic sendoff vial.	CP	SO
43456	Herpes Simplex I & II Specific Antibody IgM	86695, 86696	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	CSF - 1.5 ml	Room temperature	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
9794	Herpes Simplex I & II, IgM Antibody, CSF	86695, 86696	CSF - 1.5 ml	Refrigerate	CP	SO
50505	Herpes Simplex Virus Type II Specific AB (IgG)	86696	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.	CP	SO
1091	Herpes Viral Culture	87254	See Microbiology section			
	Tay Sachs, Serum		See Hexosaminidase A			
19282	Hexosaminidase A	83080	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.	CP	SO
	Hgb		See Hemoglobin & Hematocrit			
	HHV-6		See Human Herpes Virus 6			

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Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
41676	Histamine, Urine	83088	Obtain jug for 24 hr collection; Requires container with no preservative.	Refrigerate during collection. Reference Lab Clients - Mix well and send frozen aliquot.	CP	SO
19260	Histone Antibody	86235	Serum gel tube or red top tube - 1.0 serum	Reject: Hemolysis, Icterus, Lipemia, Sample with bacterial contamination	CP	SO
	Anti Histone Antibodies		See Histone Antibody			
	Drug Induced Lupus Antibodies		See Histone Antibody			
33526	<i>Histoplasma Capsulatum</i> Antigen, Blood	87385	Serum gel tube or red top - 2.0 serum	Reject: Hemolysis, Lipemia	CP	SO
19292	<i>Histoplasma Capsulatum</i> , Antigen Detection Assay, Urine	87385	Five (5.0) mL urine in sterile specimen container. Refrigerate at 2 - 8° C, if delayed more than 2 hours.		CP	SO
1682	HIV 1 RNA By PCR, Quantitative Viral Load	87536	Pearl Top PPT tube - 5.0 ml whole blood	Reference Lab Clients: Centrifuge and freeze plasma within 2 hours of collection.	DNA	M-F/1

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Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
34484	HIV 1, 2 Antibody Screen, Automated	87389	Serum gel tube or red top - 2.0 serum. Lavender tube also acceptable.	Confirmatory testing is performed via Multispot methodology.	Chem	D24H
43438	HIV GenoSure Archive	87901, 87906, 87900	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.	CP	SO
19293	HIV Genotype	87900, 87901	Lavender Top - 4.0 ml whole blood. Pearl top PPT or yellow ACD also acceptable.	Deliver to lab ASAP. Reference Lab Clients - Centrifuge, separate and freeze plasma in plastic sendoff vial within 6 hrs of collection. 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.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
8394	HIV Phenotype Panel	87903, 87904x5, 87536	Lavender Top - 4.0 ml whole blood. Pearl top PPT or yellow ACD also acceptable.	Deliver to lab ASAP. Reference Lab Clients - Centrifuge, separate and freeze plasma in plastic sendoff vial within 6 hrs of collection. 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.	CP	SO
43401	HIV 1 RNA Newborn	87535	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.	CP	SO
49851	HIV 1 by RNA QUALITATIVE	87535	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.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
43460	HIV Retrovirus, Neonate		Lavender-top (EDTA) or yellow-top (ACD) tube - 2 to 3 ml. whole blood Minimum volume - 500 ml. (does not allow for reflex testing) Green-top (heparin) and pearl-top (PPT) tubes CANNOT be used.	If the baby needs a blood transfusion, the specimen should be drawn prior to the transfusion. If this is not possible wait two to three days and then draw the blood. Whole blood specimens should be held at room temperature (18-25°C) or refrigerated 2-8°C), not to exceed 30°C for no longer than 72 hours and should not be frozen.	CP	SO
	HLA B27		See B27, HLA			
43436	HLA High Resolution Panel, SBT (includes DRB1 and DQB1)	81378, 81382	Two yellow-top ACD Solution A tubes - 10 ml. whole blood per tube. Minimum volume - 8 ml. per tube		CP	SO
38754 - HLA A H Res 38755 - HLA B H Res 38756 - HLA C H Res	HLA, ABC or DR Typing	83891, 83900, 83901x95, 83912	Two (2) Lavender Tops		Immun	D24H
	Holt-Oram Syndrome		See TBX5 Mutation Analysis			
1547	Homocysteine, 24 Hr Urine	83090	Obtain jug for 24 hr collection; Requires container with no preservative.		CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
36887	Homocysteine, Blood	83090	Serum gel tube - 2 ml serum. Green and red top tubes also acceptable.	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.	Chem	D24H
	Antivirogram Analysis		See HIV Phenotype Panel			
	Homovanillic Acid		See HVA			
	HSV by PCR, CSF		See Herpes Simplex I & II by PCR			
43565	HTLV I, 2 Antibodies	86790	Serum gel top or red top -2.0 ml serum. Lavender top also acceptable. Minimum vol - 1.5 ml	Refrigerate	CP	SO
28598	HTLV I & II Antibody by ELISA, CSF	86687	CSF- 1.0 ml	Refrigerate	CP	SO
	HU Antibodies - Include Anti-RI		See Anti-Neuronal Nuclear AB Panel			
	Human Papilloma Virus		See HPV			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
30505	Homovanillic Acid (HVA), Urine Random	82570, 83150	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.	CP	SO
1295	HVA, 24 Hr Urine	81050, 83150	Obtain jug for 24 hr collection; Requires container with 6N HCL preservative.		CP	SO
35180	Hydrochloric Acid, Free & Total	82926	See Gastric Analysis			
32072	Hydrocodone, Urine	83925	Urine - 5 ml random in sterile specimen container.		CP	SO
1618	Hydroxycorticosteroids, 24 Hr Urine	83491, 81050	Obtain jug for 24 hr collection; Requires container with 6N HCL preservative.		CP	SO
38010	Hydroxyproline, 24 Hr Urine	83505	Obtain jug for 24 hr collection; Requires container with no preservative.		CP	SO
1131	Hypersensitivity Pneumonitis	86331	Red Top - 5 ml serum	Reject : Gross hemolysis, Lipemia	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
9914	Hypochondroplasia	Call Client Services	Yellow Top (Solution A) - 10 ml whole blood. Lavender Top also acceptable.	Keep specimen at room temperature.	Gene	SO
33811	IgG Index	82040, 82042, 82784x2	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.	CP	SO
33739	IgG Quantitative, CSF	82784	CSF - 1 ml	CSF with visible blood is not acceptable.	CP	SO
33738	IgG Synthesis Rate	82040, 82042, 82784x2	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.	CP	SO
	IgH Gene Rearrangement Assay		See B Cell Rearrangement			
	Imavate		See Imipramine			
2119	Imipramine	80174	Red Top - 3 ml serum	Reject: Serum gel tube	CP	SO
	ImmunoCAP		See Allergen Profiles			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1509	Immunofixation Electrophoresis, Serum	86334	Red Top or Serum gel tube - 3 ml serum		Chem	M-F/ 1
1301	Immunofixation Electrophoresis, Urine	86335	Urine - 50 ml random urine in sterile specimen container		Chem	M-F/ 1
1748	Immunoglobulin D	82784	Red Top - 1 ml serum	Reject: Gross hemolysis. Patient should be fasting 8-12 hours.	CP	SO
33454	Immunoglobulin E	32785	Red Top - 3 ml serum		CHEM	
30506	Immunoglobulin G Subclasses 1,2,3,4	82784, 82787x4	Red Top - 3 ml serum	Reject: Gross hemolysis, gross lipemia. Patient should be fasting 8-12 hours.	CP	SO
1005	Immunoglobulins (Includes IgG, IgM, IgA)	82784x3	Serum gel tube - 3 ml serum. Pediatric minimum sample - 1.5 ml		Chem	D24H
33369	Incontinentia Pigmenti So	83891, 83892, 83896, 83897	Lavender Top - 5 ml	Keep at room temperature.	Gene	SO
1144	Indirect Coombs (Antibody Screen)	86850	Lavender Top - 5 ml whole blood		BB	D24H
19268	Inhibin	86790	Red Top - 2 ml serum	Reject: Serum gel tube	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1307	Insulin Antibodies	86337	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.	CP	SO
1399	Insulin, Total	83525	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.	CP	SO
33372	Insulin, Total & Free	83527, 83525	Serum gel tube - 2 ml serum	Reject: Plasma, Radioactive isotopes administered 24 hr prior to collection. Patient should be fasting 8-12 hours.	CP	SO
32639	Insulin-Like Growth Factor Binding Protein 1	84305	Serum gel tube, Red Top, Lavender Top or Green Top - 0.2 - 0.5 ml serum (preferred) or plasma	Centrifuge, separate and freeze serum or plasma in plastic sendoff vial.	CP	SO
1491	Insulin-Like Growth Factor Binding Protein 2	83519	Serum gel tube or Red Top - 0.5 to 1 ml serum	Centrifuge, separate and freeze serum in plastic sendoff vial immediately.	CP	SO
1492	Insulin-Like Growth Factor Binding Protein 3	83520	Serum gel tube or Red Top - 0.5 to 1 ml serum	Centrifuge and separate serum into plastic sendoff vial.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
21349	Interleukin 2	83516	Red Top - 1 ml serum		CP	SO
31765	Interleukin 6, Amniotic Fluid	83520	Amniotic Fluid - 1 ml fluid in sterile vial or container		CP	SO
8240	Interleukin 6, Blood	83520	Red Top - 1 ml serum		CP	SO
19262	Intrinsic Factor Blocking Antibody	86340	Red Top - 1 ml serum	Reject: Plasma, recent radioactivity scan, recent B12 injection	CP	SO
1485	Iron Binding Profile - Includes Total Iron, Transferrin, TIBC	83540, 83550, 84466	Lithium Heparin PST Tube - 3 ml plasma.		Chem	D24H
1900	Iron, 24 Hr. Urine	81050, 83540	Obtain jug for 24 hr collection; Requires container with no preservative.		CP	SO
1318	Iron, Total	83540	Lithium Heparin PST Tube - 3 ml plasma. Pediatric minimum sample - 0.7 ml in Brown bullet.		Chem	D24H
16207	Islet Cell Antibody (Anti-GAD)	86341	Serum gel tube or Red Top - 1 ml, serum		CP	SO
8212	Isoniazid, Serum	80299	Red Top - 1 ml serum	Centrifuge and Freeze. Reject: Serum gel tube	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
37165	JAK 2 Mutation Testing	83903, 83904	Lavendar Top EDTA tube - 2 ml. whole blood or Non-heparinized Bone Marrow aspirate	Maintain specimen at room temperature.	DNA	OPW
19264	JO Antibody	86235	Serum gel tube - 2 ml serum	Reject: Hemolysis, Lipema, Icterus	CP	SO
	Juvenile Neuronal Ceroid Lipofuscinosis		See Battens Disease			
	Kappa/Lambda Light Chains, Urine		See Bence Jones Protein			
31755	Kappa/Lambda Light Chains, Serum	83883x2	Red Top - 2 ml serum	Reject; Hemolysis, Lipemia	CP	SO
	Karyotype		See Chromosome Analysis			
	Keppra		See Levetiracetam			
	Ketogenic Steroids, 24 Hr Urine		See Ketosteroids			
	Ketones		See Acetone			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1162	Ketosteroids, 24 Hr Urine	83586, 81050	Obtain jug for 24 hr collection; Requires container with boric acid preservative.	Plastic urine container with 1 g boric acid preservative per liter of urine. 30 mL 6N HCl may also be used as a preservative.	CP	SO
8215	Kidney Stone (Saturation), 24 Hr Urine	Call Client Services	Obtain jug for 24 hr collection; Requires container with no preservative.		CP	SO
41204	KIT Mutation S/O	83891, 83898x2, 83909x2	5.0-7.0 ml whole blood in lavender tube		GENE	D/1
16211	Klonopin (Clonazepam)	80154	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:	CP	SO
1231	KOH Prep	87210	Submit specimen or culturette swab	Submit specimen	MC	D24H
39128	KRAS Mutation Analysis	83891, 83907, 83896x7, 83898x7, 83912, 81403, 81404	Paraffin Embedded Tissue	Maintain specimen at room temperature.	DNA	M-F/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1398	Lactic Acid	83605	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.	Chem	D24H
1343	Lactic Acid, CSF	83615	Submit 1.0 ml CSF in sterile specimen container. Pediatric specimen sample - 0.5 ml.		Chem	D24H
41376	Lactoferrin, Fecal	83630	Submit stool specimen in clean specimen container.		CP	SO
1573	Lactose Tolerance Test	82951	Refer to Special Collection Procedures			
	Lambert Eaton Antibody		See VGCC			
16222	Lamictal (Lamotrigine)	80299	Red Top - 2 ml serum. Lavender Top or Green Top also acceptable.	Keep specimen at room temperature.	CP	SO
1066	LAP Stain - Leukocyte Alkaline Phosphatase	85540	Green Top - 5 ml whole blood	Deliver sample to Special Hematology within 8 hours of collection. DO NOT REFRIGERATE.	SPHem	M-F/ 1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1329	LDH	83615	Lithium Heparin PST Tube - 3 ml plasma. Pediatric minimum sample - 0.7 ml in Brown bullet.		Chem	D24H
19291	LDL, Direct Measure	83721	Lithium Heparin PST Tube - 3 ml. plasma.			
1651	Lead, Blood	83655	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.	CP	SO
2151	Lead, Blood, Pediatric	83655	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.	CP	SO
1161	Lead, 24 Hr Urine	81050, 83655	Obtain jug for 24 hr collection; Requires container with no preservative.		CP	SO
33687	Leber Hereditary Optic Neuropathy	Call Client Services	Lavender Top - 5 ml whole blood. Whole blood collected in Yellow Top also acceptable.	Store at room temperature	Gene	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
31063	Leflunomide	82542	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.	CP	SO
19295	Legionella Antibody Titer	86713	Red Top - 2 ml serum	Reject: Hemolysis, Lipemia	CP	SO
1001	Legionella Culture	87206, 87081	Submit tracheal aspirate, bronchial washing or sputum sample.		MC	D24H
8682	Legionella Urinary Antigen	87449	Urine - 5 ml random urine in sterile specimen container.		SM	D/ 1
	LEMS Autoantibody		See VGCC			
	Leukocyte Alkaline Phosphatase Stain		See LAP Stain			
38026	Leukocyte Lysosomal Enzyme Screen	82657	Two (2) Green Tops - 10 ml whole blood	Deliver to Central Processing Lab ASAP. Keep specimen at room temperature. Collect specimen only Monday - Thursday; Cutoff 10am Thursday.	CP	SO
4924	Levetiracetam (Keppra)	80299	Red Top - 3 ml serum	Reject: Serum gel tube	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1317	LH (Luteinizing Hormone)	83002	Serum gel tube - 3 ml serum. Pediatric minimum sample - 1.5 ml		Chem	D24H
1132	Lidocaine	80176	Serum gel tube - 3 ml blood. Pediatric minimum sample - 0.7 ml		Chem	D24H
1330	Lipase	83690	Lithium Heparin PST Tube - 3 ml plasma. Pediatric minimum - 0.7 ml		Chem	D24H
29271	Lipid Analysis, Body Fluid	84311x2, 84478, 82247	Submit 3 ml of body fluid.	Protect from light.	CP	SO
30735	Lipid Profile , Direct Measured	83701, 84478	Serum gel tube - 2 ml serum	Patient must be fasting 8 -12 hours. Reference Lab Clients: Centrifuge, separate and freeze serum in plastic sendoff vial.	CP	SO
37880	Lipid Profile -Includes Cholesterol, Triglyceride, HDL, LDL, NHDL	80061	Lithium Heparin PST Tube - 3 ml plasma. Pediatric minimum sample - 1.0 ml	Patient should be fasting 8 -12 hours	Chem	D24H
38018	Lipoprotein A	83695	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.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
32757	Lipoprotein Associated Phospholipid A2	83698	Serum gel tube - 5 ml. Lavender Top is also acceptable	If not using a Serum gel tube, Reference Lab Clients must centrifuge, separate and freeze plasma in plastic sendoff vial within 5 minutes of collection.	CP	SO
9733	Lipoprotein Electrophoresis	82465, 84478, 83716	Red Top - 5 ml serum	Patient must be fasting 8 -12 hours. Reference Lab Clients: Centrifuge, separate and freeze serum in plastic sendoff vial. Reject: Serum gel tube	CP	SO
42783	Lipoprotein, NMR	83704, 80061	Black Top Serum gel tube - 2 ml serum.	Reject: Any tube other than black Serum gel tube. Reference Lab Clients: Centrifuge within 2 hours of collection.	CP	SO
33370	Lissencephaly Seq	83891, 83898x4, 83904x9	Two (2) Lavender Tops - 10 ml	Keep at room temperature.	Gene	SO
27282	Listeria Antibody	86723	Serum gel tube - 1 ml serum		CP	SO
1397	Lithium	80178	Serum gel tube - 3 ml blood, Pediatric minimum sample - 0.7 ml		Chem	D24H
38027	Liver Kidney Microsomal Autoantibodies	86376	Red Top - 1 ml serum	Reject: Hemolysis, Lipemia	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Liver Panel		See Hepatic Function Panel			
1940	Long Chain Fatty Acid	82726	Lavender Top - 5 ml whole blood	Reference Lab Clients - Centrifuge, separate and freeze plasma in plastic sendoff vial.	CP	SO
34076	Lorazepam (Ativan)	80154	Red Top - 3 ml serum		CP	SO
38024	LSD (Lysergic Acid Diethylamide)	80101	Urine - 20 ml random urine in sterile specimen container		CP	SO
1526	Lupus Anticoagulant	85732, 85613, 85670, 85705	Blue Top - 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.	SPHem	M-F/1
	Luteinizing Hormone		See LH			
1590	Lyme Test	86618	Serum gel tube - 2 ml serum		CP	SO
8213	Lyme Test, Western Blot	8661791	CSF - 0.5 ml		CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1175	Lymphocyte Count (Total, Absolute)	85048	Lavender Top - 3 ml whole blood		Hem	D24H
26533	Lymphocyte Mitogen Screen	86353x3	Two (2) Green Tops - 10 ml whole blood	Do not spin, refrigerate or freeze this specimen. Strict room temperature. Collect Mon- Wed only.	CP	SO
34391	Lymphocyte Subset Analysis	86359, 86360, 86355, 86357	One (1) Lavender Top - 5 ml whole blood and One (1) Green Top(Sodium Heparin Only) - 5 ml whole blood Minimum Sample Requirement is 2.0 ml in each tube.	Room Temperature. Do not collect specimens on weekends or after 11am on Fridays. Deliver immediately to the lab. Reference Lab Clients: Collect Monday - Thursday only.	Immun	M-F/1
	Lyrice		See Pregabalin			
21283	Lysozyme, Serum	85549	Red Top - 1 ml serum	Reference Lab Clients: Centrifuge, separate and freeze serum in plastic sendoff vial	CP	SO
21282	Lysozyme, Urine	85549	Urine - 2 ml random urine in sterile specimen container	Freeze urine in plastic sendoff vial.	CP	SO
	Lytes		See Electrolytes			
	MAG Antibody		See Myelin Associated Glycoprotein Antibody			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1362	Magnesium	83735	Lithium Heparin PST Tube - 3 ml plasma. Pediatric minimum sample - 0.7 ml in Brown bullet.		Chem	D24H
1079	Malaria Smear	87207	Lavender Top - 3 ml whole blood		SPHem	D24H
31060	Manganese, Blood	83785	Dark 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.	CP	SO
33208	Maple Syrup Urine Carrier	83893, 83894, 83896, 83898	Yellow Top (Solution A) - 10 ml whole blood. Lavender Top also acceptable.	Must keep at room temperature.	Gene	SO
	Marijuana		See Cannabinoid			
7910	Maternal Screen - Tetra Test (Includes AFP, Estriol, HCG, Inhibin B)	82105, 82677, 86336, 84702	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.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
8675	Maternal Screen - Triple Test (Includes AFP, Estriol, HCG)	82105, 82677, 84702	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.	CP	SO
	Measles, Mumps, Rubella Immunity		See MMR Immunity Status			
19298	Megaloblastic Anemia Panel	82136, 83918	Red Top - 3 ml serum	Reference Lab Clients: Centrifuge, separate and freeze serum in plastic sendoff vial	CP	SO
26539	Mercury, Urine, 24Hr	83825	Obtain jug for 24 hr collection; Requires container with no preservative.		CP	SO
8383	Metanephrines, Plasma	83835	Two(2) Lavender Tops - 10 ml whole blood	Reference Lab Clients: Centrifuge, separate and freeze plasma in plastic sendoff vial	CP	SO
1617	Metanephrines, Urine, 24 Hr	83835x2, 81050, 82570	Obtain jug for 24 hr collection; Requires container with HCl preservative.		CP	SO
27638	Methadone Screen with Confirmation	80301	Urine - 30 ml random urine in sterile specimen container		CP	SO
1198	Methanol	84600	See Alcohol Screen			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1289	Methotrexate	80299	Serum gel tube - 3 ml blood, Pediatric minimum sample - 0.7 ml		Chem	D24H
16214	Methsuximide (Celontin)	83858	Red Top - 3 ml serum	Reject: Serum gel tube	CP	SO
	Methylation Analysis		See Prader-Willi Syndrome			
	Methylenetetrahydrofolate Reductase		See MTHFR			
1204	Methylmalonic Acid, Serum	83921	Serum gel tube - 3 ml serum	Reference Lab Clients: Centrifuge, separate and freeze serum in plastic sendoff vial	CP	SO
21844	Methylmalonic Acid, Urine (Quant.)	83921	Urine - 5 ml random urine in sterile specimen container.		CP	SO
33206	Mexiletine Serum Plasma	80299	Red Top - 2.0 ml serum. Lavender Top and Green Top also acceptable.	Reject: Serum gel tube.	CP	SO
19254	MHATP (Microhemagglut T. pallidum)	86780	Red Top - 1 ml serum. Green Top, Lavender Top, Blue Top also acceptable.	STS must be ordered prior to request for MHATP. This test replaces FTA-ABS	SM	M,W,F/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Microarray Analysis		See Comparative Genomic Hybridization			
1441	Microbilirubin	82247	Brown bullet - 0.7 ml	Protect from light.	Chem	D24H
	Minimal Residual Disease		See bcr/abl Testing			
1356	Mitochondrial Antibody	83516	Serum gel tube - 3 ml serum		CP	SO
33140	Mitochondrial DNA Genome (Seq.)	83891, 83898x32, 83904x65	Two (2) Lavender Tops - 10 ml whole blood	Keep at room temperature.	Gene	SO
	Mixing Studies		See Circulating Anticoagulant			
21284	MMR Immunity (Measles, Mumps, Rubella)	86765, 86735, 86762	Serum gel tube - 3 ml serum		CP	SO
1086	Monospot	86308	Serum gel tube - 3 ml serum. Pediatric minimum sample - 1.0 ml		SM	M-F/1
1891	Morphine	83925	Red Top - 3 ml serum	Reject: Serum gel tube	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
23361	MTHFR	83891, 83894, 83898	Lavender Top - 5 ml whole blood. Pediatric minimum volume - 2.0 ml	Room Temperature	DNA	M-F/ 1
1388	Mucin Clot	83872	Submit 3.0 ml synovial fluid in Green Top or Lavender Top.	Reject: Clotted specimens	CP	SO
32740	Mucopolidosis IV	83890, 83894, 83901x4	Two (2) Lavender Tops - 10 ml whole blood	Keep at room temperature.	Gene	SO
19266	Mumps Virus Antibody	86735	Serum gel tube - 1 ml serum	Reject: Hemolysis, Lipemia	CP	SO
	Muramidase		See Lysozyme			
	Mutation Analysis		See CMV Resistance Testing			
38004	Myasthenia Gravis Panel	83520, 84238x3	Red Top - 2 ml serum		CP	SO
33814	Mycophenolic Acid	82542	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.	CP	SO
	Mycoplasma Culture		See Microbiology section			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
19290	Mycoplasma IgG Antibody	86738	Serum gel tube - 3 ml serum	Reject: Hemolysis, Lipemia	CP	SO
3481	Mycoplasma IgM Antibody	86738	Serum gel tube - 3 ml serum		SM	M-F/ 1
19290	Mycoplasma Pneumoniae, IgG	86738	Red Top - 2 ml serum		SM	M-F/ 1
1948	Myelin Associated Glycoprotein Antibody (MAG)	86318	Red Top - 3 ml serum. CSF also acceptable		CP	SO
1028	Myelin Basic Protein	83873	Red Top - 3 ml serum. CSF also acceptable		CP	SO
28042	Myeloperoxidase Antibody	83516	Serum gel tube - 2 ml serum	Reject: Hemolysis, Lipemia	CP	SO
1320	Myidone	80188	See Mysoline			
24097	Myoglobin, Serum	83874	Red Top - 2 ml serum		Chem	D24H
1623	Myoglobin, Urine	83874	Urine - 10 ml random urine in sterile specimen container		CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1320	Mysoline (Primidone, Myidone)	80188	Red Top - 3 ml serum. Green Top also acceptable.	Reject: Serum gel tube, Hemolysis, Lipemia, Icterus. This test also includes phenobarbital.	CP	SO
	NAPA		See Procainamide			
21287	Natural Killer Cell, Functional	Call Client Services	Three (3) Green Tops - 15 ml whole blood	Keep at room temperature. This test can only be collected Mon-Thurs.	CP	SO
33813	Natural Killer Surface Antigen	86357	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.	CP	SO
32188	Nemaline Myopathy	Call Client Services	Lavender Top - 5 ml whole blood	Keep at room temperature.	Gene	SO
	Nembutal		See Pentobarbital			
33139	Neoencephalitis Profile	83519, 84182x2, 83520x2	Red Top - 4 ml serum. Serum gel tube also acceptable.	May keep refrigerated or at room temperature	Gene	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
21650	Neopterin, Total	82491	CSF- 0.5 ml in sterile specimen vial	Deliver to lab ASAP.	CP	SO
32749	Neuromyelitis Optica IgG	83520	Red Top or Serum gel tube - 2 ml serum	Serum must be separated from cells within 45 minutes of collection. Reference Lab Clients: Centrifuge, separate and freeze serum in plastic sendoff vial. Aliquot must be frozen.	CP	SO
	Neurontin		See Gabapentin			
21428	Neurotransmitter Metabolites	82492	CSF- 0.5 ml in sterile specimen vial	Deliver to lab ASAP.	CP	SO
	NH3		See Ammonia			
51878	Nickel, Plasma	83885	Royal blue-top (EDTA) tube - 2 ml. plasma Minimum volume - 0.6 ml.	Submit original unopened tube. Maintain specimen at room temperature.	CP	SO
41193	Nicotine & Metabolite (Cotinine), Quantitative, Plasma, Whole Blood, or Serum	80323	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.	CP	SO
41192	Nicotine & Metabolite (Cotinine), Quantitative, Urine	80323	Urine - 10 ml random urine in sterile specimen container Minimum volume - 1 ml.	Maintain specimen at room temperature.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
19261	Nitroblue Tetrazolium Test	86384	Two (2) Green Tops - 10 ml whole blood	Deliver to lab immediately. Keep specimen at room temperature.	CP	SO
33090	Noonan Tier 1	Call Client Services	Two (2) Lavender Tops - 10 ml	Keep at room temperature.	Gene	SO
33091	Noonan Tier 2	Call Client Services	Two (2) Lavender Tops - 10 ml	Keep at room temperature.	Gene	SO
	Norpace		See Disopyramide			
1752	Nortriptyline (Tricyclic)	80152	Red Top, Lavender Top, Green Top - 3 ml serum	Reject: Serum gel tube	CP	SO
30504	N-Telopeptide (Crosslinks)	82523, 82570	Urine - 10 ml of 2nd voided am specimen in sterile specimen container		CP	SO
1433	Occult Blood	82270	Submit fresh stool sample in sterile specimen container. Do not use preservative or additive.	Hemoccult slides are acceptable	Micro	D24H
29269	Olanzapine (Zyprexa)	80154	Red Top - 2 ml serum. Lavender Top also acceptable.	Reject: Serum gel tube. Centrifuge and separate serum/plasma and freeze.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
30459	Oligoclonal Bands	83916	Red Top - 1 ml serum and 1 ml CSF	Both serum and CSF must be submitted for diagnosis	CP	SO
33204	Oligosaccharides	84375	Urine - 50 ml random urine in sterile specimen container	Freeze urine in plastic sendoff vial.	Gene	SO
1535	Organic Acids	81050, 83918	Urine - 10 ml in sterile specimen container. Pediatric minimum sample - 2 ml.		CP	SO
1009	Osmolality , Urine	83935	Urine - 1 ml urine in sterile specimen container		Chem	D24H
1010	Osmolality, Serum	83930	Serum gel tube - 1 ml serum		Chem	D24H
1070	Osmotic RBC Fragility	85555, 85557	Two (2) Green Tops - 10 ml whole blood	Contact Hematology at 704-355-3455 prior to specimen collection. Deliver specimen to lab ASAP. Must be received in lab before noon. No testing available Friday, Saturday or Sunday.	SPHem	M-H/1
38009	Osteocalcin	83937	Serum gel tube - 3 ml serum	Reference Lab Clients: Centrifuge, separate and freeze serum in plastic sendoff vial	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
33933	Ova and Parasites (O&P)	87177, 87209	Collect stool in sterile, wide mouth container, or O & P transport container with formalin and PVA (preferred). If specimen transport to lab is delayed more than 30 minutes, place specimen in Proto fix CLR vial.	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 acceptable. Fresh feces should not be submitted. Fecal specimens for parasitic examination should be collected before initiation of antidiarrheal therapy or antiparasitic therapy. The highest level of yield occurs when diarrhea is present upon arrival at hospital or within 72 hours of hospital admission. A battery of samples are required because some parasites are released in showers; there are intervals in which no organisms can be detected. Routine O & P exam is a screen for Giardia and Cryptosporidium. If other organisms are suspected, order O & P Complete. NOTE: WRITE FULL O&P ON REQUISITION.		
1650	Oxalate, 24 Hr Urine	81050, 83945	Obtain jug for 24 hr collection; Requires container with HCL preservative. Random sample of urine also acceptable.		CP	SO
	Oxazepam		See Serax			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
3236	Oxcarbazepine (Trileptal)	82491	Red Top, Lavender Top - 1 ml serum	Reject: Serum gel tube, Hemolysis, Lipemia, Icterus	CP	SO
23465	Oxycodone, Serum, Quantitative (Percoset, Oxycontin)	80365	Red Top - 2 ml. serum Do not use a gel-barrier tube.	Separate serum or plasma within one hour of collection and transfer to a plastic transport tube. Reject: Gel tubes.	CP	SO
	P53 Mutation		See Li-Fraumeni			
28042	Panca Specific Antibody (Anti myeloperoxidase Antibody)	83516	Red Top - 1 ml serum	Reject: Hemolysis, Lipemia	CP	SO
28175	Pancreatic Elastase	83520	20 gm of random stool.	Specimen must be frozen upon arrival in laboratory	CP	SO
	Pancreatic Islet Cell Antibodies		See Islet Cell Antibodies			
29414	Pancreatic Polypeptide	83519	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	CP	SO
21769	Pap Smear	88175	See Cytology Section			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
30605	Paraneoplastic Antibody Panel	Call Client Services	Serum gel tube - 4 ml serum	Reference Lab Clients: Centrifuge, separate and refrigerate serum in plastic sendoff vial within 45 minutes	CP	SO
	Parathyroid Hormone (Intact)		See PTH			
1032	Parietal Cell Antibody	86255	Serum gel tube - 2 ml serum		CP	SO
	Parotitis Epidemica Antibodies		See Mumps Virus			
	Partial Thromboplastin Time		See PTT			
1827	Parvovirus B19 Antibody (Includes IgG & IgM)	86747x2	Serum gel tube - 2 ml serum		CP	SO
8237	Parvovirus B19 Antibody by PCR	87798	Lavender Top - 3 ml whole blood	EDTA whole blood required	CP	SO
1276	PCP (Phencyclidine)	81050, 83992	Urine - 10 ml random urine in sterile specimen container		Chem	D24H
37315	PCR for MRSA	87641	Use liquid Stuart's swab.	Swab anterior 15 mm of both nares.	Micro	M-F 1,2 S/S, 2

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
32758	Pendred Syndrome	Call Client Services	Two (2) Lavender Tops - 10 ml whole blood	Room Temperature	Gene	SO
27278	Pentazocine (Talwin)	83925	Red Top - 2 ml serum	Reject: Serum gel tube	CP	SO
41194	Pentobarbital	82205	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	CP	SO
	Percent Reactive Antibody		See PRA			
34460	Pertussis Culture	87070, 87798	See Microbiology section			
35479	PFA 100	85576	See Platelet Function Test			
1557	PG (Phosphatidylglycerol)	84081	Submit amniotic fluid in sterile specimen container or stoppered syringe.	Deliver to lab ASAP. Do not centrifuge specimen.	Chem	D24H
1255 - Urine 1168 - Body Fluid	pH, Urine or Body Fluid	83986	2 ml body fluid or random urine in sterile specimen container		Hem	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
2847	PHA Stimulation Chromosomes	8823091, 88262	Green Top(Sodium Heparin) - 5ml whole blood. Pediatric minimum sample - 2.0 ml.	Lithium Heparin is not acceptable. Keep at room temperature.	Gene	M-F/ 1
	Phencyclidine		See PCP			
1117	Phenobarbital	80184	Red Top - 3 ml blood, Pediatric minimum sample - 0.7 ml		Chem	D24H
43457	Phenytoin, Free	80186	Red-top, lavender-top (EDTA), or green-top (heparin) tube - 3 ml. serum or plasma. Minimum volume - 1.5 ml. Do not use a gel-barrier tube.	Refrigerate. Reject: gel-barrier tube, hemolysis, lipemia.	CP	SO
1214	Phenytoin, Total (Dilantin)	80185	Red Top - 3 ml blood, Pediatric minimum sample - 0.7 ml	Serum gel tube not acceptable.	Chem	D24H
	Phosphatidylglycerol		See PG			
1643	Phosphatidylserine Antibody	83520x3	Serum gel tube - 3 ml serum		CP	SO
1577	Phosphorous	84100	Lithium Heparin PST tube - 1 ml plasma. Pediatric minimum sample - 0.7 ml in Brown bullet.		Chem	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1254	Phosphorous, 24 Hr Urine	81050, 82570, 84105	Obtain jug for 24 hr collection; Requires container with no preservative.		Chem	D24H
32071	Phytanic Acid	82726	Serum gel tube - 1 ml serum	Reference Lab Clients: Centrifuge, separate and freeze serum in plastic sendoff vial	CP	SO
1374	Pinworm Exam	87172	Specimen should be collected at night or 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.		
32041	Pipecolic Acid	82543	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.	Gene	SO
	Plasma Hemoglobin		See Hemoglobin, Plasma			
19289	Plasminogen	85420	Blue Top - 2.7 ml whole blood.	Deliver to lab ASAP. Reference Lab Clients: Centrifuge, separate and freeze plasma in plastic sendoff vial.	CP	SO
1765	Platelet Aggregation Studies	85576x7		Contact Hematology at 355-3455 prior to specimen collection to schedule testing.		

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
35179	Platelet Antibodies	86022x4	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.	CP	SO
41751	Platelet Count	85049	Lavender Top - 3 ml whole blood. Pediatric minimum sample - 0.5 ml in Lavender microtainer tube.		Hem	D24H
35479	Platelet Function Test (PFA 100)	85576	Two(2) blue tops and one (1) lavender	TIME SENSITIVE: Testing must be performed within 4 hours of collection. Call 5-3455 when test ordered	Hem	D24H
22924	Platelet Specific Antigen	86023	Lavender Top - 2 ml whole blood	Refrigerate whole blood	CP	SO
5518	PM-SCL Antibody Identification	86331	Red Top - 1 ml serum	Reject: Serum gel tube	CP	SO
16209	Pneumococcal Titer	86609	Red Top - 2 ml serum	Reject: Serum gel tube	CP	SO
1676	Pneumocystis Smear	87281	Submit fresh bronchial washings or brush biopsy. Do not use preservatives or additives.	Deliver to lab ASAP.	SM	M-F/ 1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
22925	Poliovirus Antibodies	Call Client Services	Serum gel tube - 5 ml serum	Reject: Lipemia, Hemolysis	CP	SO
	Polymyositis		See JO Antibody			
43369	POMPE Disease (Acid Maltase)	80500, 82657, 84165	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.	CP	SO
1159	Porphobilinogen, 24 Hr Urine (Qnt.)	81050, 84110	Obtain jug for 24 hr collection; Requires container with acetic acid preservative.	Protect from light. Aliquot must be frozen immediately.	CP	SO
41678	Porphobilinogen, Urine Screen Qualitative	84106	2.0 ml random urine	The urine should be protected from light at all times. Freeze in light protection container if testing not performed within 8 hours of collection. Freeze at -20° Celsius.	H	D/24
38874	Porphyryns (Includes Coproporphyrins and Uroporphyrins)	81050, 84120	Obtain jug for 24 hr collection; Requires container with no preservative.	Protect from light. Refrigerate aliquot.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
32175	Porphyrins, Serum Total	84311	Red Top - 2 ml serum	Protect from light. Reference Lab Clients: Centrifuge, separate and freeze serum in brown sendoff vial. Protect aliquot from light also.	CP	SO
1375	Potassium, 24 Hr Urine	81050, 82570, 84133	Obtain jug for 24 hr collection; Requires container with no preservative.		Chem	D24H
1015	Potassium, Serum	84132	Lithium Heparin PST tube - 1 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet	Reject: Hemolysis	Chem	D24H
1624	Potassium, Urine	84133	Urine - 2 ml random urine in sterile specimen container		Chem	D24H
	PR3		See Anti - Proteinase 3 Antibody			
21339	PRA (Percent Reactive Antibody)	88184, 88185x2, 88180	Red Top - 5 ml serum. Minimum specimen - 3.0 ml	Room Temperature	Immun	M-F/ 1
9976	Prader-Willi Syndrome	Call Client Services	Lavender Top - 5 ml whole blood. Pediatric minimum volume - 2.0 ml	Keep specimen at room temperature.	DNA	M-F/1
1521	Prealbumin	84134	Serum gel tube - 1 ml serum		Chem	M-F/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
41531	Pregabalin (Lyrica)	82542	Green Tube (Lithium or Na Heparin) - 3 ml blood	Red Top also acceptable	CP	SO
	Pregnancy Test		see Beta HCG			
1626	Pregnenolone (17 - Hydroxy)	84140	Red Top - 2 ml serum	Reject: Serum gel tube	CP	SO
	Presamine		See Imipramine			
	Primidone		See Mysoline			
38585	Procainamide (Pronestyl), includes NAPA	80192	Serum gel tube - 3 ml blood, Pediatric minimum sample - 0.7 ml		CP	SP
1352	Progesterone	84144	Serum gel tube - 3 ml serum		Chem	D24H
1593	Progesterone, 17- Alpha Hydroxy	83498	Serum gel tube - 2ml serum		CP	SO
1923	Prograf (FK 506)	80197	Lavender Top - 3 ml whole blood. Minimum volume - 1.0 whole blood.		Chem	D/ 10am, 1 pm

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
33371	Progressive Myoclonus Epilepsy	Call Client Services	Four (4) Lavender Top - 20 ml	Keep at room temperature.	Gene	SO
403028P	Pro Inflammatory Panel	83520 (x4)	EDTA (Lavendar) or ACD (Yellow) Top Tube - 4-5 ml. whole blood	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.	CP	SO
1897	Proinsulin	84206	Serum gel tube - 2 ml serum	Reference Lab Clients: Centrifuge, separate and refrigerate serum in plastic sendoff vial	CP	SO
8621	Prolactin	84146	Serum gel tube - 3 ml serum		Chem	D24H
	Prolixin		See Fluphenazine			
	Pronestyl		See Procainamide			
2258	Propafenone	82491	Red Top - 3 ml serum	Reject: Serum gel tube	CP	SO
	Prostate Specific Antigen		See PSA			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1894	Protein C Activity (Functional)	85303	Two (2) Blue Tops	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.	CP	SO
9659	Protein C Antigen	85302	Two (2) Blue Tops	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.	CP	SO
39920	Protein C Resistance, Activated	85303	Two (2) Blue Tops	Deliver to lab on wet ice ASAP. Reference Lab Clients: Spin tube and freeze plasma in plastic sendoff vial. Collect without stasis.	CP	SO
35360	Protein Electrophoresis	84165	Serum gel tube - 2 ml serum		Chem	D/1
1648	Protein Electrophoresis, 24 Hr Urine	81050, 84165	Obtain jug for 24 hr collection; Requires container with no preservative.		Chem	D/1
35359	Protein Electrophoresis, CSF	84166	CSF- 1.0 ml in sterile specimen container		Chem	D/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1896	Protein S Activity (Functional)	85306	Two (2) Blue Tops	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.	CP	SO
38013	Protein S, Free and Total	85305, 85306	Two (2) Blue Tops	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.	CP	SO
1649	Protein, 24 Hr Urine, Total	81050, 84155	Obtain jug for 24 hr collection; Requires container with no preservative.		Chem	D24H
1333	Protein, Total	84155	Lithium Heparin PST Tube - 1 ml plasma. Pediatric minimum sample - 0.7 ml in Brown bullet.		Chem	D24H
33737	Protein, Total (CSF)	84157	CSF- 1.0 ml in sterile specimen container		Chem	D24H
31763	Prothrombin Fraction 1 & 2	83520	Blue Top - 2.7 ml whole blood.	Deliver to lab ASAP. Reference Lab Clients - Centrifuge, separate and freeze plasma in plastic sendoff vial.	SO	

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Prothrombin Gene Mutation		See Factor V Leiden			
	Prothrombin Time		See PT			
1882	Protoporphyrin	84202	Royal blue-top (EDTA) submit original tube. Volume: 5 ml. Minimum volume: 0.2 ml. Requires whole blood	Submit original tube as whole blood	CP	SO
	Prozac		See Fluoxetine			
1537	PSA (Prostate Specific Antigen)	84153	Serum gel tube - 3 ml serum		Chem	D24H
9955	PSA, Free & Total	84153, 84154	Serum gel tube - 3 ml serum. Green or Red Top tube also acceptable.		Chem	D24H
1122	PT (Prothrombin Time)	85610	Blue Top - 2.7 ml whole blood.	Reference Lab Clients - Deliver whole blood specimen to lab at room temperature within 24 hours of collection.	Hem	D24H
32181	PTEN Mutation	Call Client Services	Lavender Top - 5 ml whole blood		Gene	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
19584	PTH - Related Peptide	83519	Lavender Top - 4 ml whole blood	This test requires special handling. Please contact the laboratory before collection.	CP	SO
19223	PTH (Parathyroid Hormone), Intact	83970	Lavender Top - 5 ml whole blood. Red Top not acceptable	Specimen is stable refrigerated for 72 hours.	NE	D
22088	PTT (Partial Thromboplastin Time)	85730	Blue Top - 2.7 ml whole blood.	Deliver to lab ASAP. Reference Lab Clients: Centrifuge, separate and freeze plasma in plastic sendoff vial.	Hem	D24H
8211	Pyrazinamide Level	80101	Red Top - 2 ml serum	Deliver to lab ASAP. Reference Lab Clients: Centrifuge, separate and freeze serum in plastic sendoff vial.	CP	SO
1057	Pyruvate Kinase	84220	Lavender Top - 3 ml whole blood. Pediatric minimum sample - 1.0 ml.		CP	SO
27283	Pyruvate, CSF	84210	CSF - 0.5 ml	Specimen should be clear and not bloody.	CP	SO
1939	Pyruvic Acid	84210	Gray Top - 5.0 ml whole blood. Pediatric minimum sample - 3.0 ml.	Deliver to lab on wet ice. Reference Lab Clients - call Client Services prior to collecting specimen. Patient must be fasting 8 -12 hours and relaxed.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
183244	Quantiferon TB Gold, Incubated (Interferon-Gamma Release Assay)	86480	Quantiferon Test Kit	Refer to collection instructions included with draw kit. Specimens must be received in the laboratory within 70 hours after incubation by client (no more than 94 hours from the time of collection).	CP	SO
33527	Quinidine	80194	Red Top - 1 ml serum	Reject: Serum gel tube, hemolysis, icterus, lipema	CP	SO
28601	Rabies Ab. Screen	86382	Serum gel tube - 1 ml serum. CSF also acceptable.		CP	SO
28601	Rabies Antibody Screen for Immunity Status	86382	Red Top - 1 ml serum	Reference Lab Clients: Centrifuge, separate and refrigerate serum in plastic sendoff vial within 45 minutes.	CP	SO
	Rapamycin		See Sirolimus			
	Rapimmune		See Sirolimus			
1839	RBC Acetylcholinesterase	82013	Lavender Top - 5 ml whole blood		CP	SO
24057	RBC ALA-D & PBG-D	82657	Green Top - 5 ml whole blood.	Patient must be fasting 12 - 14 hours. Deliver to lab on wet ice.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1520	RBC Folate	82747	Two (2) Lavender Tops - 10 ml whole blood	Reference Lab Clients - Collect two (2) Lavender Top tubes. Do not centrifuge or separate. Freeze one Lavender Top as whole blood in plastic collection tube or plastic sendoff vial. The other Lavender Top must be sent to lab unopened and refrigerated.	CP	SO
1070	RBC Fragility	85555	See Osmotic Fragility			
29274	RBC Plasmalogen	82492	Lavender Top - 3 ml whole blood	Do not refrigerate or freeze serum; Room temperature only.	CP	SO
9264	Recombx Mata Autoantibody	84182	Serum gel tube - 2 ml serum	Sample must be collected Monday - Thursday only.	CP	SO
1038	Reducing Substances (Stool)	81002	Submit fresh stool sample in clean specimen container.		Hem	D24H
34183	Renal Profile with GFR - Includes Basic Metabolic Package, Albumin, and Phosphorus	80069	Lithium Heparin PST Tube - 3 ml plasma. Pediatric minimum sample - 0.7 ml in Brown bullet.			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1635	Renin Activity (Passive or Active)	84244	Prechilled Lavender Top - 5 ml . This is a strict frozen and should not be combined with any other tube requiring a lavender tube. whole blood.	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.	CP	SO
	Respiratory Syncytial Virus		See RSV			
38590	Respiratory Viral Load	87798	Nasopharyngeal (NP) swab, nasopharyngeal aspirate, tracheal aspirate, bronchial lavage or bronchial washing in sterile container is acceptable.	Room Temperature	CP	SO
34085	Reticulin Antibodies IgA, IgG	86255x2	See Celiac Disease Antibody Profile			
1071	Reticulocyte Count	85045	Lavender Top - 3 ml whole blood. Pediatric minimum sample - 0.5 in Lavender Top bullet.		Hem	D24H
	Reverse T3		See T3, Reverse			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
37215	RFT (Rheumatoid Factor)	86431	Serum gel tube - 3 ml serum		Chem	D24H
	Rh Immune Globulin (Rhogam)		Refer to ABO and RH		BB	D24H
	Rhematoid Factor		See RFT			
	Rhogam		See Rh Immune Globulin			
38839	RI Antibody (Included as part of HU Antibody testing)	86255x2	Red Top - 7 ml serum	Reject: Serum gel tube	CP	SO
30603	Ribosomal P Antibody	83516	Serum gel tube - 1 ml serum		CP	SO
8210	Rifampin, Serum	80299	Serum gel tube - 1 ml serum	Protect from light. Reference Lab clients- Centrifuge, separate and freeze serum in dark sendoff vial.	CP	SO
32173	Ristocetin Cofactor	85245	Blue Top - 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	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	RMSF		See Rocky Mountain Spotted Fever			
43400	RNA Polymerase 3 AB IgG	83520	Red Top or Serum gel tube - 1 ml serum Minimum volume - 0.5 ml.	Centrifuge and separate serum within 2 hours of collection. Refrigerate.	CP	SO
	<i>Rochalimaea</i> Antibody		See <i>Bartonella</i> Antibody			
36577	Rocky Mountain Spotted Fever IgG by IFA (RMSF, Weil Felix)	86757	Serum gel tube - 3 ml serum.		CP	SO
1300	Rotavirus Enzyme Immunoassay	87425	Submit stool specimen in clean specimen container.	Diapers and swabs are not acceptable.	SM	D/ 1
1090	RPR	86592	Serum gel tube or Red Top - 2 ml serum. Lavender Top, Green Top, Blue Top also acceptable - 3 ml whole blood.		SM	D/ 1, X-Th/ 3
41203	RSV (Respiratory Syncytial Virus)	87798x2	Submit at least 1.0 ml of nasal washing in sterile container. N/P culturette swabs are suboptimal, but acceptable.	Do not use transport media, preservative, or additives.	SM	D/ 1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1046	Rubella	86762	Serum gel tube - 2 ml serum		Chem	D24H
1848	Rubeola AB-IgG	86765	Serum gel tube - 2 ml serum		CP	SO
27280	Saccharomyces cervisiae Panel	86674x2	Serum gel tube - 1 ml serum	Reject: Hemolysis, Lipema	CP	SO
1334	Salicylate	80196	Serum gel tube - 3 ml blood, Pediatric minimum sample - 0.7 ml		Chem	D24H
	Sandimmune		See Cyclosporine			
1652	Schlicter Test (Serum Bactericidal Level)	87197	Red Top - 3 ml serum	Contact Microbiology (355-3224) to schedule testing. Reject: Serum gel tube	Micro	Call
1436	Scleroderma Antibody	86235	Red Top - 1 ml serum	Reject: Serum gel tube	CP	SO
1747	Selenium	84255	Red Top or Royal Blue Metal Free Tube(Heparin or EDTA) - 2 ml serum or plasma	Reject: Serum gel tube	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Semen Analysis		Contact Andrology Lab at 704-355-9460 for specimen collection and testing information.			
38849	Sensorimotor Neuropathy Profile	86255x3, 83520x8	Serum gel tube - 2 ml serum		CP	SO
1889	Serax (Oxazepam)	80154	Red Top - 2 ml serum	Reject: Serum gel tube	CP	SO
32069	Serotonin	84260	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.	CP	SO
32447	Serotonin Releasing Assay	86022	Serum gel tube - 5 ml serum		CP	SO
26535	Sertraline (Zoloft)	82542	Red Top - 2 ml serum	Reject: Serum gel tube	CP	SO
19267	Sex Hormone Binding Globulin	84270	Red Top - 2 ml serum	Reject: Serum gel tube	CP	SO
	SGOT		See AST			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	SGPT		See ALT			
1077	Sickle Cell Prep	85660	Lavender Top - 3 ml whole blood. Pediatric minimum sample - 1.0 ml		Hem	D24H
28693	Sirolimus (Rapamycin, Rapaimmune)	80195	Lavender Top - 1.0 ml whole blood		Chem	D/ 1000 & 1300
1048	Sjogren's Antibodies (SSA & SSB)	86235x2	Serum gel tube - 2 ml serum		CP	SO
16208	Skeletal / Striated Muscle Antibody	86255	Red Top - 2 ml serum	Reject: Serum gel tube	CP	SO
19307	SLE Profile A (Systemic Lupus Erythematosus)	86225, 86235x5, 86431	Serum gel tube - 4 ml serum		CP	SO
1020	Sodium	84295	Lithium Heparin PST tube- 2 ml plasma. Pediatric minimum sample - 0.7 ml in brown bullet.		Chem	D24H
1273	Sodium, 24 Hr Urine	81050, 82570, 84300	Obtain jug for 24 hr collection; Requires container with no preservative.		Chem	D24H

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1274	Sodium, Urine	84300	Urine - 2 ml random urine in sterile specimen container		Chem	D24H
19305	Soluble Transferrin Receptor	83520	Serum gel tube - Lavender Top or Green Top - 1 ml serum or plasma.	Reject: Hemolysis	CP	SO
1588	Somatomedin C	84305	Serum gel tube - 2 ml serum		CP	SO
1275	Specific Gravity, Urine	81003	Urine - 2 ml random urine in sterile specimen container		Hem	D24H
8311	Spinal Muscular Atrophy (SMA) DNA Test	Call Client Services	Two (2) Lavender Tops - 10 ml whole blood		Gene	SO
	SSA and SSB Antibodies		See Sjogren's Antibodies			
1279	Stool for WBCs (Wright's Stain)	87205	Submit fresh stool specimen in clean container.	Reject: Swabs are not acceptable	Hem	D24H
43459	Stool for Electron Microscopy	88348	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.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
9735	Strep Pneumoniae IgG Antibody (Serotypes include 7 capsular types, 4,14,19,23,26,56,68)	86609x7	Serum gel tube - 1 ml serum		CP	SO
	Strep Screen		See Culture Throat Screen			
	Streptozyme		See ASO Titer			
1090	STS (Serological Test for Syphilis)	86592	Serum gel tube or Red Top - 2 ml serum. Lavender Top, Green Top, Blue Top also acceptable - 3 ml whole blood. Pediatric minimum sample - 1.0 ml serum or plasma.	Titer is performed on all positive specimens.	SM	D/ 1, X-Th/ 3
8612	Sulfatide Antibody	86318	Red Top - 3 ml serum	Reject: Serum gel tube	CP	SO
38022	Sulfonylurea Hypoglycemia Screen	82491	Urine - 10 ml random urine in sterile specimen container with no preservative. Can be performed as a random sampling or 24 hr urine.		CP	SO
1384	Sweat Chloride	89230x2	Call Chemistry at 704-355-5809 at least 24 hours in advance to schedule testing.		Chem	Call

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Swinherd Disease		See Leptospiral Antibodies			
	Synovial Fluid for Crystal Exam		See Crystal Exam			
	Systemic Lupus Erythematosus		See SLE Profile A			
9812	T Cell Rearrangement	83891, 83898x2, 83909, 83907, 83912	Paraffin Embedded Tissue		DNA	M-F/1
34412	T Cell Subset Analysis (Includes T4/T8 Ratio, CD3 Counts)	86359, 86360	One (1) Lavender Top - 5 ml whole blood and One (1) Green Top - 5 ml whole blood	Do not collect specimens on weekends or after 11am on Fridays. Deliver immediately to the lab. Reference Lab Clients: Collect Monday - Thursday only.	Immun	M-F/1
8656	T3 Uptake	84479	Serum gel tube - 1 ml serum		CP	SO
40992	T3, Free	84481	Serum gel tube - 2 ml serum		Chem	D24H
1838	T3, Reverse	84482	Red Top - 3 ml serum		CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
8611	T3, Total	84480	Lithium Heparin PST Tube - 1 ml plasma.		Chem	D24H
8613	T4, Free	84439	Lithium Heparin PST Tube - 1 ml plasma.		Chem	D24H
8666	T4, Total (Thyroxine)	84436	Lithium Heparin PST Tube - 1 ml plasma.		Chem	D24H
	T4/T8 Ratio		See Lymphocyte Subset			
28694	Tacrolimus (FK506, Prograf)	80197	Lavender Top - 1.0 ml whole blood		Chem	D/ 1000 & 1300
	Talon		See Brodifacoum			
	Talwin		See Pentazocine			
1841	TBG (Thyroxine Binding Globulin)	84442	Serum gel tube - 1 ml serum		CP	SO
32182	TBX5 Mutation Analysis	Call Client Services	Lavender Top - 5 ml whole blood		Gene	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Tegretol		See Carbamazepine			
1101	Teichoic Acid Antibody	86331	Red Top - 3 ml serum	Reject: Serum gel tube	CP	SO
1062	Testosterone	84403	Serum gel tube - 3 ml serum	Analysis of testosterone in adult males.	CP	SO
39169	Testosterone, Women and Children	84403	Serum gel tube - 2 ml serum	Order on women, children, adolescents, and hypogonadal men only.	CP	SO
43403	Testosterone, Ultrasensitive	84403	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.	CP	SO
1479	Testosterone, Free and Weak	84402, 84403	Serum gel tube or Red Top - 1.2 ml serum	Measurement of free and weakly bound testosterone (bioavailable testosterone) in males and females	CP	SO
30734	Tetanus Anti Toxoid IgG Antibody	86317	Serum gel tube - 1 ml serum	Reject: Hemolysis, Lipemia	CP	SO
	Tetra Test		See Maternal Screen, Tetra			
21429	Tetrahydrobiopterin (Neopterin)	82492	CSF- 0.5 ml in sterile specimen vial	Deliver to lab ASAP.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
26531	Thallium, Urine 24 Hr	83018	Obtain jug for 24 hr collection; Requires container with no preservative.		CP	SO
	Thanatophoric Dysplasia		See FGFR3			
1247	Theophylline (Aminophylline, Theodur)	80198	Serum gel tube - 3 ml blood, Pediatric minimum sample - 0.7 ml		Chem	D24H
	Thiamine		See Vitamin B1			
1524	Thiocyanate	84430	Red Top - 3 ml serum	Reject: Serum gel tube	CP	SO
40458	Thiopurine Methyltransferase, Erythrocytes	82542	Lavender Tube - 5 ml		CP	SO
1890	Thorazine	84022	Red Top - 3 ml serum	Reject: Serum gel tube	CP	SO
1216	Throat Screen for Strep	87880	See Culture, Throat Screen			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
38511	Thrombin Time	85670	Blue Top - 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.	CP	SO
1886	Thyroglobulin (Quantitative)	84432	Red Top - 3 ml serum. Green Top also acceptable.		SO	
8660	Thyroid Profile (Includes Free T4 and TSH)	84439, 84443	Lithium Heparin PST Tube - 1 ml plasma.		Chem	D24H
8608	Thyroid Stimulating Hormone	84443	See TSH			
19233	Thyroid Stimulating Immunoglobulin (TSI)	84445	Serum gel tube - 2 ml serum		CP	SO
19306	Thyrotropin Receptor Antibody	83519	Serum gel tube - 2 ml serum		CP	SO
	Thyroxine		See T4, Total			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Thyroxine Binding Globulin		See TBG			
	Tiagabine		See Gabitril			
	Tissue Transglutaminase		See Celiac Disease Antibody Profile			
	Tissue Typing		See HLA			
51879	Titanium, Blood	83018	Royal blue-top (EDTA) tube - 2 ml. serum or plasma Minimum volume - 0.6 ml.	All venipuncture should be performed using a trace metal free royal blue-top tube. Serum or plasma should be separated from cells within two hours of venipuncture. Send serum or plasma in an acid washed plastic transport tube.	CP	SO
41745	Tobramycin	80200	Serum gel tube - 3 ml blood, Pediatric minimum sample - 0.7 ml		Chem	D24H
1338	Tocanide (Tonocard)	82491	Red Top - 3 ml serum	Reject: Serum gel tube	CP	SO
	Tofranil		See Imipramine			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Tonocard		See Tocanide			
19269	Topiramate (Topamax)	82491	Red Top, Lavender Top or Green Top - 0.3 to 1 ml serum	Reject: Serum gel tube	CP	SO
22246	Torch Titers (IgG & IgM) Includes CMV, Herpes, Toxoplasmosis, Rubella	Call Client Services	Serum gel tube - 5 ml serum Minimum volume - 3 ml. serum		CP	SO
1722	Toxoplasma Gondii by PCR, Amniotic Fluid	87798	Submit 2.0 ml amniotic fluid in sterile container or stoppered syringe.		CP	SO
2290	Toxoplasma IgG Antibody, CSF	86777	Submit 1.0 ml CSF fluid in sterile container or stoppered syringe.		CP	SO
3448	Toxoplasma Titer	86777, 86778	Red Top - 3 ml serum	Reject: Serum gel tube	CP	SO
	TPMT, Erythrocytes		See Thiopurine Methyltransferase, Erythrocytes			
	TPO		See Antithyroid Peroxidase Antibody			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Transferrin		See Iron Binding Profile			
	Transferrin Isoelectric Focusing		See Carbohydrate Deficient Transferrin			
	Trazodone		See Desyrel			
1363	Trichomonas	87210		Collect with sterile culturette swab or sterile swab in sterile specimen container with enough sterile normal saline to keep swab moist (1 - 2 mL).		
19252	Tricyclic Screen (Specify drug for which screening is requested)	80101	Red Top - 3 ml serum	Reject: Serum gel tube	CP	SO
1532	Triglyceride	84478	Lithium Heparin PST Tube - 1 ml plasma.	Patient must be fasting 8-12 hours	Chem	D24H
	Tri-iodothyronine		See T3			
	Trileptal		See Oxcarbazepine			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Triple Test		See Maternal Screen, Triple			
9635	Tropheryma Whipple II DNA by PCR	87798	Yellow Top (Solution A) - 10 ml whole blood. Lavender Top and CSF also acceptable.	Keep specimen at room temperature.	CP	SO
19225	Troponin I	84484	Lithium Heparin PST Tube - 2 ml plasma.		Chem	D24H
38842	Trypanosoma Cruzi Antibody IgG	86753	Serum gel tube - 2 ml serum		CP	SO
38843	Trypanosoma Cruzi Antibody IgM	86753	Serum gel tube - 2 ml serum			
30602	Trypsin, Blood	83519	Serum gel tube, Red Top, Green Top or Lavender Top -03 to 1 ml serum or plasma, frozen.	Reference Lab Clients: Centrifuge, separate and freeze serum in plastic sendoff vial.	CP	SO
1371	Trypsin, Stool	84488	Submit fresh stool specimen in clean container.	Deliver ASAP to lab.	CP	SO
2292	Tryptase	83520	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,	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
8608	TSH (Thyroid Stimulating Hormone)	84443	Lithium Heparin PST Tube - 1 ml plasma.		Chem	D24H
19306	TSH Receptor Antibody	83519	See Thyrotropin Receptor Antibody			
	TSI		See Thyroid Stimulating Immunoglobulin			
	tTG		See Celiac Disease Antibody Profile			
33202	Tuberous Sclerosis 1	Call Client Services	Two (2) Lavender Tops - 10 ml whole blood	Keep at room temperature.	Gene	SO
33203	Tuberous Sclerosis 2	Call Client Services	Two (2) Lavender Tops - 10 ml whole blood	Keep at room temperature.	Gene	SO
1089	Tularemia	86668	Red Top - 3 ml serum	Reject: Serum gel tube	SM	SO
	Tylenol		See Acetaminophen			
39139	Unexplained Fatigue Panel	86200, 86376, 86038, 86225, 86800, 82784, 83516x4	Serum gel tube - 3 ml serum		MER	M-F/1

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
29275	Uniparental Disomy 14 (UPD 14)	83890, 83894, 83896, 83898x3	Two (2) Lavender Tops - 10 ml whole blood		Gene	SO
1401	Urea Nitrogen, 24 Hr Urine	84540, 82570, 81050	Obtain jug for 24 hr collection; Requires container with no preservative.		Chem	D24H
1516	Uric Acid	84550	Lithium Heparin PST Tube - 2 ml plasma. Pediatric minimum sample - 0.7 ml in Brown bullet.		Chem	D24H
1281	Uric Acid, 24 Hr Urine	81050, 82570, 84560	Obtain jug for 24 hr collection; Requires container with no preservative.		Chem	D24H
1545	Urinalysis	81003	Urine - 12 ml random urine in sterile specimen container. Minimum sample is 1.0 urine.		Hem	D24H
1227	Urine Culture	87086	See Culture, Throat Screen			
	V617F Mutation		See JAK 2 Testing			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
43399	Vaginitis, Bacterial and Candida NuSwab BVCSWB	87481, 87798	Aptima vaginal or unisex swab	Maintain specimen at room temp. or refrigerate (2°-30°C). Stable at room temp. or refrigerated for 30 days.	CP	SO
43398	Vaginitis Plus (VG+) NuSwab VAGNIS	87481, 87491, 87591, 87661, 87798	Aptima vaginal or unisex swab	Maintain specimen at room temp. or refrigerate (2°-30°C). Stable at room temp. or refrigerated for 30 days.	CP	SO
43396	Vaginitis, Super Panel NuSwab, VG+HSV SNUSAB		Aptima vaginal or unisex swab	Maintain specimen at room temp. or refrigerate (2°-30° C).	CP	SO
43397	Vaginitis (VG) NuSwab VGNU	87481, 87661, 87798	Aptima vaginal or unisex swab	Maintain specimen at room temp. or refrigerate (2°-30°C). Stable at room temp. or refrigerated for 30 days.	CP	SO
1340	Valproic Acid (Depakene, Depakote)	80164	Serum gel tube - 3 ml blood, Pediatric minimum sample - 0.7 ml		Chem	D24H
39774	Vancomycin	80202	Serum gel tube - 3 ml blood, Pediatric minimum sample - 0.7 ml		Chem	D24H
	Vanillylmandelic Acid		See VMA			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1129	Varicella Zoster Antibody, Total - Includes IgG and IgM	86787	Serum gel tube - 2 ml serum	Reject: Hemolysis, Lipemia, Heat Inactivated Sera	CP	SO
32178	Varicella Zoster Antibody, IgG	86787	Red Top - 3 ml serum	Reject: Hemolysis, Lipemia, Heat Inactivated Sera	SM	Th/ 1
31594	Varicella Zoster Antibody, IgM	86787	Serum gel tube or Red Top - 1 ml serum	Reject: Hemolysis, Lipemia	CP	SO
	Vasointestinal Peptide		See VIP			
	Vasopressin		See ADH			
1287	VDRL, CSF	86592	Submit 1.0 ml CSF in sterile specimen container or stoppered syringe.		SM	M, W, F/ 1
	Very Long Chain Fatty Acid		See Long Chain Fatty Acid			

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
22882	VGCC (Voltage Gated Calcium Channel Antibody)	83519	Red Top - 1 ml serum.	Deliver blood to lab ASAP. Reference Lab Clients: Centrifuge, separate within one (1) hour of collection. Reject: Lipemia, Hemolysis	CP	SO
1493	VIP (Vasoactive Intestinal Peptide)	86592	Contact Lab Processing at 355-5962 to obtain special collection kit and intructions.		CP	CALL
	Viral Culture and DFA Stain		See Culture, viral, submit according to source of specimen.			
1179	Viral Serum Studies (Acute or Convalescent)	86790	Red Top - 5 ml serum	Collect convalescent specimen two weeks after acute specimen is collected. Specify specimen as acute vs.convalescent. Reject: Serum gel tube	SM	SO
1113	Viscosity	85810	Red Top - 2 ml serum	Reject: Serum gel tube	CP	SO
1857	Vitamin A	84590	Serum gel tube - 3.0 ml serum	Protect from light. Reference Lab Clients: Centrifuge, separate and freeze serum in dark sendoff vial.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
34605	Vitamin B1	84425	Lavender Top - 1.0 ml whole blood, FROZEN and PROTECTED FROM LIGHT Minimum volume - 0.5 ml.	This must not be a shared tube. Freeze whole blood in amber transport tube with amber top. (If amber tubes are unavailable, cover standard transport tube completely, top and bottom, with aluminum foil. Identify specimen with patient name directly on the container and on the outside of the aluminum foil. Secure with tape.)	CP	SO
8609	Vitamin B12	82607	Lithium Heparin PST Tube - 3 ml plasma.		Chem	D24H
31274	Vitamin C (Ascorbic Acid)	82180	Green Top Tube - 1.5 ml serum. Sodium or Lithium Heparin acceptable (Minimum Required 0.8 ml serum). Lavender Top not acceptable.	Collect in prechilled tube, centrifuge immediately and freeze plasma. Protect from light.	CP	SO
1476	Vitamin D (1,25-Dihydroxy)	82652	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.	CP	SO
1445	Vitamin D (25- Hydroxy)	82306	Serum gel tube or Red Top - 3 ml blood		CP	SO
1879	Vitamin E	84446	Serum gel tube - 2 ml to 5 ml, serum, Protected from light.	Protect from light. Reference Lab Clients: Centrifuge, separate and refrigerate serum in amber sendoff vial.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
1916	Vitamin K1	84597	Lavender Top or Red Top - 1 to 1.5 ml plasma or serum, frozen and protected from light.	Protect from light. Reference Lab Clients: Centrifuge, separate and freeze plasma in dark plastic sendoff vial.	CP	SO
1036	Vitmin B1	84425	See Thiamine			
16217	Vitmin B6	84207	Lavender Top - 5 ml whole blood	Protect from light. Reference Lab Clients: Centrifuge, separate and freeze plasma in dark plastic sendoff vial.	CP	SO
1503	VMA (Vanillymandelic Acid), 24 Hr Urine	81050, 84585	Obtain jug for 24 hr collection; Requires container with 30 ml 6N HCl preservative.	Contact laboratory for patient preparation diet.	CP	SO
33373	Von Hippel Lindau Mutation	83891, 83892, 83896, 83897	Lavender Top - 5 ml	Keep at room temperature.	Gene	SO
41444	Von Willebrands Study (Includes Factor VIII, Factor VIII Related Antigen and Ristocetin Cofactor)	85245	Two (2) Blue Tops - 2 to 4 ml, frozen plasma.	Deliver to lab ASAP. Reference Lab Clients: Centrifuge, separate and freeze plasma in three (3) separate plastic sendoff vials within 4 hours of collection. Reject: Hemolysis, Lipemia, Underfilled Blue Top, clotted sample	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	VZT		See Varicella Zoster			
	Warfarin		See Coumadin			
	Weil Disease		See Leptospiral Antibodies			
1663	Western Blot	86689	Confirmatory Test for HIV. See HIV Screen.	Deleted 03/24/2014		
	Whipple's Disease		See Tropheryma Whipple II DNA			
	X Linked SBMA		See Kennedy's Disease			
	X Linked Spinal and Bulbar Muscular Atrophy		See Kennedy's Disease			
	X Match		See Crossmatch			
1522	Xanax	80154	Red Top - 4 ml serum	Reject: Serum gel tube	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Xylose Absorption		See D-Xylose Absorption			
	Y Chromosome Deletion Studies		See AZF			
	Y Chromosome Analysis (Includes AZF and SRY)		See AZF			
	YO Antibody		See Purkinje Cell Cyto Antibody			
32176	ZAP 70 by Flow Cytometry	88184, 88185, 88187	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.	CP	SO
	Zarontin		See Ethosuximide			
1519	Zinc	84630	Royal Blue-Top (EDTA) or Royal Blue-Top without EDTA. Volume: 2 ml. Minimum volume: 0.6 ml.	Reject: Gel or Red-Top tubes. Unspun royal-blue top tube from which plasma or serum has not been removed. Centrifuge, separate and refrigerate plasma or serum in plastic transport tube within 45 minutes after collection.	CP	SO

Test Menu and Availability

Test Code	Test Name	CPT Code(s)	Specimen Requirements	Specimen Handling, Rejection and Patient Prep	Testing Dept	Test Availability
	Zoloft		See Sertraline			
4972	Zonegran (Zonisamide)	82542	Red Top - 2 ml serum	Reject: Serum gel tube	CP	SO
38846	Zoo Panel Heterologous Protein	83516x4	Red Top - 3 ml serum	Reference Lab Clients: Centrifuge, separate and refrigerate serum in sendoff vial.	CP	SO
29269	Zyprexa	80154	See Olanzapine			