

Baylor Scott and White Reference Lab
Specimen Collection Information

TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
11 Deoxycorticosterone	11DX	82633	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin and separate Transport Send refrigerated	Qty HPLC/TMS	Call Ref Lab		5 days
14-3-3 Protein	P1433	86317 84182 87798	Reference Lab	Container Sterile container Preferred 5 mls CSF Minimum 2 mls Storage Send CSF frozen **NOTE** The first 2 mls of CSF that flows from the tap should be discarded. Avoid freeze/thaw cycles. Completed requisition form required.	Western Blot/Quantitative Enzyme-Linked Immunosorbent Assay/Qualitative Real-Time Quaking-Induced Conversion	Call Ref Lab		7-17 days
17 Hydroxyprogesterone	17P	83491	Reference Lab	Container 1 plain red top tube Preferred 0.6 ml serum Minimum 0.25 ml serum Process Spin and separate Transport Send refrigerated	LC-MS/MS	Call Ref Lab		5 days
17 OH Pregnenolone	LCPRG	84143	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.1 ml serum Process Spin and separate within 1 hr Transport Send frozen	RIA	Call Ref Lab		7 days
17-Hydroxycorticosteroids Urine	17HC	83491	Reference Lab	Container 24hr urine jug Preferred 12 mls urine Process Refrigerate during collection Transport Send urine frozen **NOTE** Preservatives acceptable. PH must be between 5-7. Add 1g boric acid/100mls urine to adjust PH	Quantitative Colorimetry	Call Ref Lab	10 days	
2,3-dinor 11B-Prostaglandin F2a	23BPG	84150	Reference Lab	Container 24 hr urine container with no preservative Preferred 4 mls urine Transport Send urine refrigerated	Enzymatic Colorimetric Assay / LC MSMS	Call Ref Lab		6 days
21-Hydroxylase Ab	21HYD	83519	Reference Lab	Container Plain red top tube Preferred 1 ml serum Process Spin and separate Transport Send refrigerated	Quant RIA	Call Ref Lab		2 weeks
5 Flucytosine	5FLUC	82491	Reference Lab	Container 1 plain red top tube Preferred 1 ml serum Minimum 0.3 mls serum Process Spin and separate within 2 hrs Transport Send refrigerated **NOTE** SST tubes acceptable	HPLC	Call Ref Lab		4 days
5-Hydroxyindoleacetic Acid	5HIA	83497	Reference Lab	Container 24 Hr urine container with 25 mls 50% acetic acid. Add 15 mls acetic acid for children less than 5. Preferred 5 mls urine Process Aliquot into plastic tube. Storage Send refrigerated. **NOTE** Dietary restrictions	LC-MS/MS	Call Ref Lab		5 days
68 KD Ab	68KD	84182	Reference Lab	Container 1 SST tube Preferred 2 mls serum Process Spin and separate Transport Send room temp		Call Ref Lab		10 days
7-Dehydrocholesterol	DHYD7	82491	Reference Lab	Container 1 sodium heparin green top tube Preferred 1 ml plasma Process Spin and separate Transport Send frozen		Call Ref Lab		14 days
A2 Hemoglobin by HPLC	A2HGB	83020	Chemistry	Container 1 EDTA (Lavender top) tube Preferred 2 mL whole blood Minimum 1 mL whole blood Storage Refrigerate Transport Keep cool **NOTE** EDTA only Do Not Spin Room temperature up to 24 hours Refrigerate up to 4 days	HPLC	< 1 year of age: No reference range available ≥ 1 year of age: 2.0 - 3.3%	T, F	24 HRs
ABO/RH	ABORH	86900 86901	Transfusion Service Blood Bank	Container 6ml EDTA pink top Minimum 3ml EDTA purple top Storage RT	Hemagglutination / Solid Phase	NA		8 hours
Abscess Culture	ABSCU	87070	Microbiology	Open lesion and aspirate abscess with syringe (preferred method). Send capped syringe or inject specimen into an Eswab transport device. Swabs are not recommended for culture but if used the lesion margins and abscess wall should be firmly sampled. Break off swab shaft and send to Microbiology in the Eswab transport device. Recommend ordering a Gram stain and an anaerobe culture with every abscess culture. The Eswab transport device will allow Gram stain, abscess and anaerobe culture from a single specimen. **NOTE** Transport to Microbiology as soon as possible at room temperature. Gram stain will be performed within the 8-hour shift. **Specimen source should be clearly indicated**	Bacterial culture	No organisms isolated. Positive reported when detected	M - SU	72HR

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Acanthamoeba/Naegleria Culture	ACNAE	87081	Microbiology	Acanthamoeba: Submit contact lens case or corneal scrapings Naegleria: Submit CSF as for bacterial culture	Amoeba culture	No Amoeba Isolated. Positives reported when detected	M - SU	7 Days
Acarus Siro IgE	ASIRO	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Acetaminophen	ACET 16050	80329	Chemistry	Container 1 Lithium Heparin (Green top) tube Preferred 2 mL plasma Minimum 1 mL plasma Process Centrifuge Storage Refrigerate (4-8°C) Transport Refrigerate **NOTE** Serum acceptable Refrigerate (4-8°C) up to 14 days Freeze (-20°C) up to 45 days	Enzymatic/Colorimetric		M - Su	4 HR
Acetylcholine Receptor Binding Ab	ARBA	83519	Reference Lab	Container SST tube Preferred 2.0 ml serum Process Spin and separate within 2 hrs Transport Send serum refrigerated	Qnt RIA	Call Ref Lab		4 days
Achondroplasia	ACHON	81401	Reference Lab	Container EDTA purple top tubes Preferred 14 mls whole blood (adult) Process Do not spin Transport Send room temp **NOTE** Requisition & consent form must accompany specimen	DNA Analysis	Call Ref Lab		21 days
Acid Fast Culture	AFCU	87116	Microbiology	Collect specimen in sterile, leak proof disposable container. Do not use waxed container, fixatives or preservatives. Swabs are not recommended. Send to the Micro lab immediately or refrigerate until sent. Do not refrigerate blood Isolator tube, hold at room temperature. Sputum/Gastric Lavage: Collect 5 - 10 ml of an early morning specimen on 3 consecutive days. Do not pool specimens. Urine: Collect first morning specimen on 3 consecutive days. Send as much specimen as possible. Do not pool specimens. Body Fluids: Send as much as possible. Abscess: Collect as much as possible by aspiration or biopsy or on a swab if volume is very small. Stool: One gram or more in sterile container. Physicians will be notified of positive cultures.	Identification by DNA probe and radiometric susceptibility	No acid fast bacilli isolated. Positives reported when detected	M - SU	6 WK
Acid Fast Smear	AFSM	87206	Microbiology	Can be performed on same specimen as culture. If ordered alone, see Acid Fast Culture for collection instructions. Physicians will be notified of positive smears	Fluorescence microscopy	No acid fast bacilli seen. Positives reported when detected	M - SU	24 HR
Activated Partial Thromboplastin Time	PTISC 65002	85730	Coagulation	Container 1 - sodium citrate (blue top) tube; fill tube to FILL LINE MARK. Preferred 2 mL plasma Minimum 0.5 mL plasma Process Centrifuge specimen ASAP remove plasma & freeze in plastic tubes Storage Freeze plasma Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.	Electro-mechanical clot detection	26 - 42 seconds	M - SU	1 HR
Acylcarnitines Qnt Plasma	ACYLQ	82017	Reference Lab	Container Sodium heparin green top Preferred 0.5 mls plasma Process Spin and separate within 2 hrs Transport Send plasma frozen **NOTE** Avoid hemolysis. Separate specimens must be sent for multiple tests.	Tandem Mass Spectrometry	Call Ref Lab		7 days
Acylglycines Urine	ACYLG	82542	Reference Lab	Container Sterile urine container Preferred 6 mls random urine Process Freeze immediately and avoid dilute urine Transport Send frozen	LC/Tandem Mass Spec	Call Ref Lab		14 days
Adalimumab Activity and Neutralizing Antibody	ADAAN	86352 x2	Reference Lab	Container SST tube Preferred 1 mls serum Process Spin and separate within 2 hrs Transport Send serum refrigerated	Cell Culture/Qnt Chemiluminescent Immunoassay	Call Ref Lab		5 days
ADAMTS 13 Activity	AD13	86397	Reference Lab	Container 1 sodium citrate blue top Preferred 1 ml platelet-poor plasma Process Call Ref Lab for special instructions Transport Send plasma frozen	Fluorescence Resonance Energy Transfer	Call Ref Lab		5 days
Adenosine Deaminase Pleural Fluid	ADMPF	84311	Reference Lab	Container Sterile, leak proof container Preferred 0.3 mls fluid Minimum 0.1 ml fluid Transport Send fluid frozen	Quant Spectrophotometry	Call Ref Lab		5 days

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Adrenocorticotrophic Hormone (ACTH)	ADHR	82024	Reference Lab	Container: EDTA Lavender top tube Preferred: 1 ml plasma Process: Spin and separate within 2 hrs Transport: Send frozen **NOTE** Collection tube must be siliconized glass or plastic	Quant Chemiluminescent Immunoassay	Call Ref Lab	T	3 days
AFP Amniotic Fluid	AFFAF	82106	Reference Lab	Container: 1 sterile container Preferred: 1.0 ml amniotic fluid Minimum: 0.5 ml Process: Do not centrifuge Transport: Send specimen refrigerated. **NOTE** The following information is required for processing: A. First day of last menstrual period. B. Date ultrasound performed. C. EDD by ultrasound D. Collection date. Gestational age must be between 13 and 24 weeks; 16 to 18 weeks preferred.	Flow Cytometry	Call Ref Lab		5 days
Alanine	ANINE	82131	Reference Lab	Container: 1 SST tube Preferred: 0.5 ml serum Process: Spin and separate. Transport: Send serum frozen.		Call Ref Lab		7 days
Albumin	ALB 14300	82040	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature (20-25 °C) up to 2.5 months Refrigerate (2-8°C) up to 5 months Freeze (-20°C) up to 3 months	Dye binding - BCP	See Report	M - SU	4 HR
Albumin, Body Fluid	ALB/F	82040	Chemistry	Container: Sterile Container Preferred: 5 mL body fluid Minimum: 1 mL body fluid Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature (20-25°C) up to 1 day Refrigerate (2-8°C) if not done within 2 months Freeze (-20°C) up to 1 year	Dye binding - BCP	See Report	M - SU	4 HR
Alcohol	ETOH	80320	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Prep with betadine, no alcohol Room Temperature (20-25°C) up to 2 weeks Refrigerate (4-8°C) up to 6 months Freeze (-20°C) up to 6 months	Alcohol Dehydrogenase	None detected	M - Su	4 HR
Aldolase	ALDOL	82085	Reference Lab	Container: SST tube Preferred: 1 ml serum Minimum: 0.5 ml Process: Allow specimen to clot completely at room temp. Spin and separate. Hemolysis not acceptable Transport: Send serum refrigerated	Qnt Enzymatic	Call Ref Lab		3 days
Aldosterone Urine	AL.UR	82088	Reference Lab	Container: 24 hour urine container Preferred: 5 ml aliquot urine Minimum: 1 ml urine Process: Urine must be refrigerated during collection. Add 1 g boric acid/100 ml urine at end of collection. Transport: Send urine frozen.	Radioimmunoassay (RIA)	Call Ref Lab		7 days
Aldosterone, Serum	ALD.O	82088	Reference Lab	Container: 1 SST tube Preferred: 1 ml serum Minimum: 0.5 ml serum Process: Spin and Separate Storage: Send serum frozen **NOTE** If an upright specimen is collected, patient should be upright (seated or standing) for at least two hours.	RIA	Call Ref Lab		5 days
Alkaline Phosphatase	ALKP 14500	84075	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 7 days Refrigerate (2-8°C) up to 7 days Frozen (-20°C) up to 2 months	Para-nitrophenyl Phosphate	See Report	M - SU	4 HR

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Alkamline Phosphatase Isoenzymes	AL-IS	84075 84080	Reference Lab	Container SST tube Preferred 2 ml serum Process Allow to clot completely at room temperature then spin and separate ASAP or within 2 hrs Transport Send serum refrigerated	Qnt Heat Inactivation/Enzymatic	Call Ref Lab		4 days
Almond IgE	ALMON	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Alpha 1 Antitrypsin Phenotype	A1-PH	82104 82103	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.3 Process Spin and separate Transport Send refrigerated	Isoelectric Focusing Immunoturbidimetric	Call Ref Lab		7 days
Alpha 2 Antiplasmin	ANTIP	85410	Reference Lab	Container 1 - sodium citrate (light blue top) tube; fill between min and max fill line. Preferred 1 mL platelet poor plasma Minimum 0.5 mL plasma poor plasma Process Centrifuge specimen ASAP, remove plasma, re-centrifuge plasma, transfer aliquot to plastic tube (screw top aliquot tube preferred). Refer to platelet poor plasma instructions. Separate aliquote liquote tubes for coagulation orders. No sharing of aliquotes. Storage Freeze plasma (Do not use a frost free freezer!) Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. **NOTE** DO NOT thaw sample after freezing. Label aliquot tube "plasma" or "frozen plasma"	Chromogenic	Call Ref Lab, Age Dependent	Mon - Thur	1-8 days
Alpha Amylase IgE	AAMY	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Alpha Fetoprotein (AFP)-Tumor Marker	AFPTM 67088	82105	Chemistry	Container 1 SST tube Preferred 2 mL serum Minimum 1 mL serum Process Spin and separate Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Lithium Heparin Acceptable If testing will be delayed more than 7 days remove serum or plasma from the clot, red blood cells or separator gel. Room Temperature up to 3 days Refrigerate (2-8°C) up to 7 days Freeze (-20°C) if not done within 7 days	Chemiluminescent Microparticle Immunoassay (CMIA)	0 - 9 ng/mL	M - SU	4 HR
Alpha Galactosidase Serum	ALGTS	82657	Reference Lab	Container Plain red top Preferred 2 mls serum Process Spin and separate Transport Send serum frozen **NOTE** SST acceptable	Fluorometric	Call Ref Lab		2 weeks
Alpha Globin Gene Analysis	AGGAN	81257	Reference Lab	Container EDTA purple top tube Preferred 3 mls whole blood Process Invert several times to mix Storage Send room temp	PCR	Call Ref Lab		10 days
Alpha Subunit	ASUB	82397	Reference Lab	Container 1 plain red top tube Preferred 1 ml serum Minimum 0.35 ml Process Spin and separate Transport Send serum frozen.	Radioimmunoassay (RIA)	Call Ref Lab		7 days
Alpha-1 Antitrypsin	A1AT 1450 14500	84075	Chemistry	Container 1 Lithium Heparin (Green Top) tube Preferred 2 mL plasma Minimum 1 mL plasma Process Spin and separate Storage Refrigerate (2 - 8°C) Transport Refrigerate **NOTE** Serum acceptable Room temperature (20-25°C) up to 3 months Refrigerate (2-8°C) up to 5 months Freeze (-20°C) up to 3 months	Turbidimetric / Immunoturbidimetric	90 - 200 mg/dL	M - Su	4 HR
Alpha-1 Antitrypsin Qnt Random Stool	ALPRS	82103	Reference Lab	Container Unpreserved stool collection container Preferred 5 grams stool Process Send in unpreserved stool transport vial Transport Send stool frozen	ELISA	Call Ref Lab		4 days
Alpha-Gal Panel	AGALP	86003 x 4	Reference Lab	Container SST tube Preferred 2mls serum Process Spin and separate Transport Send serum room temp		Call Ref Lab		4 days
Alpha-Lactalbumin IgE	ALLAC	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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ALT (SGPT)	SGPT 11900	84460	Chemistry	Container 1 Lithium Heparin (Green top) tube Preferred 2 mL plasma Minimum 1 mL plasma Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Serum acceptable Room Temperature (30°C) up to 3 days Refrigerate (2-8°C) up to 7 days Frozen (-40°C) up to 60 days	NADH (without P-5-P)	0 - 68 U/L	M - SU	4 HR
Alternaria Tenuis IgE	ALTER	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Aluminum	ALM	82108	Reference Lab	Container Royal blue no additive tube Preferred 2 mls serum Minimum 0.5 Process Spin and separate ASAP. Pour off into metal free tube Transport Send at room temp **NOTE** Patient should be encouraged to discontinue nutritional supplements, vitamins, minerals and non-essential over the counter meds.	Qnt Inductively Coupled Plasma-Mass Spec	Call Ref Lab		5 days
Amikacin - Peak	AMKP1 73541	80150	Chemistry	Container 1 Lithium Heparin (Green Top) Tube Preferred 2 mL plasma Minimum 1 mL plasma Process Spin and separate Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Serum acceptable Collect 30 minutes after infusion Refrigerate (2-8°C) up to 7 days Freeze (-10°C) up to 2 weeks	Particle-enhanced turbidimetric inhibition immunoassay (PETINIA)	20 - 25 mcg/mL	M - SU	4 HR
Amikacin - Random	AMKR1 73542	80150	Chemistry	Container 1 Lithium Heparin (Green Top) Tube Preferred 2 mL plasma Minimum 1 mL plasma Process Spin and separate Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Serum acceptable Refrigerate (2-8°C) up to 7 days Freeze (-10°C) up to 2 weeks	Particle-enhanced turbidimetric Immunoassay (PETINIA)	See Report	M - SU	4 HR
Amikacin - Trough	AMKT1 73540	80150	Chemistry	Container 1 Lithium Heparin (Green Top) Tube Preferred 2 mL plasma Minimum 1 mL plasma Process Spin and separate Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Serum acceptable Collect 15 minutes before infusion Refrigerate (2-8°C) up to 7 days Freeze (-10°C) up to 2 weeks	Particle-enhanced turbidimetric Immunoassay	0-10 mg/mL	M - SU	4 HR
Amino Acid Qnt CSF	AAQCS	82139	Reference Lab	Container Sterile container Preferred 0.5 ml CSF Process Centrifuge to separate and remove cellular material. Freeze supernatant Transport Send supernatant frozen. **NOTE** Separate specimens must be sent for multiple tests.	Qnt Liquid Chromatography / Tandem Mass Spec	Call Ref Lab		7 days
Amino Acid Quant Plasma	AAQNP	82139	Reference Lab	Container 1 lithium heparin green top tube Preferred 0.5 ml plasma Minimum 0.3 ml Process Spin and separate within 2 hrs Transport Send frozen **NOTE** Patient must be fasting. Separate tubes must be sent for multiple tests. ARUP biochemical genetics patient history form must be completed.	Ion-Exchange Chromatography, Quant	Call Ref Lab		5 days
Amino Acid Urine Quant	AAQNT	82139	Reference Lab	Container 1 random urine container Preferred 4 mls urine Minimum 3 mls Process Pour into plastic transport tube and freeze immediately Transport Send frozen **NOTE** First morning urine preferred. Separate tubes must be sent for multiple tests	Ion-Exchange Chromatography, Quant	Call Ref Lab		3 days
Amiodarone	AMIOD	80299	Reference Lab	Container 1 plain red top tube Preferred 1 mls serum Process Spin and separate within 2 hours Transport Send refrigerated **NOTE** No SST tubes	High Performance Liquid Chromatograph (HPLC)	Call Ref Lab		5 days

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Amitriptyline	AMITR	80335	Reference Lab	Container 1 plain red top tube Preferred 0.25 ml serum Process Draw 12 hrs after last dose. Spin and separate within 2 hrs. Transport Send refrigerated. **NOTE** No SST tubes	High Performance Liquid Chromatograph (HPLC)	Call Ref Lab		5 days
Ammonia	AMMON 14215	82140	Chemistry	Container 1 Lithium Heparin (Green top) tube Preferred 2 mL plasma Minimum 1 mL plasma Process Place on ice immediately after collection. Centrifuged and separate within 15 minutes of collection. Storage Frozen <20°C up to 3 weeks Transport Frozen **NOTE** Tube should be: • Completely filled • Stored tightly capped on ice • Centrifuged and separated within 15 minutes • Analyzed within 2 hour Hemolysis is unacceptable.	Glutamate dehydrogenase	See Report	M - SU	4 HR
Amniotic fluid chromosome analysis for prenatal DX of chromosome abnormalities in patients with a known cytogenetic abnormality, AMA, HX of child with birth defect, etc.	G-AF	88235 x2 88269 x1 88280 x1 88285 x1 88291 x1	Cytogenetics	15-30 mLs of amniotic fluid. Room temp. Deliver to lab immediately. Call Cytogenetics at 254-724-3704 prior to collection if drawn after 5pm.	Culture for 5-10 days by <i>in situ</i> methodology and analysis of chromosomes	Normal male (46,XY) or normal female (46,XX)	M - Su	7-10 days If faster turn around needed call lab at 254-724-3704
Amniotic Fluid Culture	AMNCU	87070	Microbiology	Disinfect surrounding skin. Perform percutaneous aspiration to obtain amniotic fluid. Expel into sterile container or Port-A-Cult anaerobic transport tube. If immediate transport is impossible, the specimen may be held at room temperature for up to 24 hours. If results are positive, the physician will be notified. Identification and susceptibilities will be performed.	Bacterial culture	No organisms isolated. Positives reported when detected	M - SU	72 HR
Amoxicillin IgE	AMOXY	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Amphetamine	AMP	80324	Chemistry	Container Random Urine Container Preferred 20 mL of urine Minimum 10 mL of urine Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Preservative - None Refrigerate (2-8°C) up to 5 days Freeze (-20°C) if not done within 5 days	Enzyme Immunoassay	Negative	M - Su	4 HR
Amphetamines by LC/MS (U)	AMPDC	G0480	Chemistry	Container Random urine tube Preferred 3 mL urine Minimum 3 uL urine Transport Send Refrigerated Storage Room temperature up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-15°C to -30°C) 30 days	Liquid Chromatography Tandem Mass Spectrometry	See Report	M - F	3 days
Amphetamines-Serum (Qnt)	AMPQT	80326	Reference Lab	Container 1 plain red top tube Preferred 3 mls serum Process Spin and separate Transport Send refrigerated	GC/MS	Call Ref Lab		5 days
Ampicillin IgE	AMPIC	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Amylase	AMYL 14600	82150	Chemistry	Container 1 Lithium Heparin (Green top) tube Preferred 2 mL plasma Minimum 1 mL plasma Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 1 year	CNPG3	28 - 100 U/L	M - SU	4 HR
Amylase - Body Fluid	AMY.F 14603	82150	Chemistry	Container Sterile Container Preferred 5 mL body fluid Minimum 1 mL body fluid Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Room Temperature (20-25°C) up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 1 year	CNPG3	No Reference Range Available	M - SU	4 HR

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Amylase - Urine (24 Hr)	UAMYL 14902	82150	Chemistry	Container 24hr Urine container Preferred 10 mL of urine Minimum 5 mL of urine Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Room Temperature (20-25°C) up to 2 days Refrigerate (2-8°C) up to 10 days Freeze (-20°C) up to 3 weeks	CNPG3	0 - 1200 U/L	M - SU	4 HR
Amylase - Urine (Random)	UAMLR	82150	Chemistry	Container Random Urine Container Preferred 10 mL of urine Minimum 5 mL of urine Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Room temperature (20-25°C) up to 2 days Refrigerate (2-8°C) up to 10 days Freeze (-20°C) up to 12 weeks	CNPG3	0 - 1200 U/L	M - SU	4 HR
Amylase Isoenzymes	AMIS	82150 X 2	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml Process Spin and separate ASAP Transport Send refrigerated	Enzymatic	Call Ref Lab		2 days
ANA Body Fluid	ANABF	80638 86039	Reference Lab	Container Sterile container Preferred 1 ml body fluid Transport Send refrigerated	IFA	Call Ref Lab		5 days
ANA with Reflex Panel if Positive	ANAPN	86038 ANATI 86039 PANEL 86255 86235 x4	Immunology	Container 1 SST (gold) tube Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Panel contains: dsDNA, Ssa, SSB, Sm & RNP Panel will be reflexed on if ANA screen is positive.	If A and Multiplex Immunoassay	Negative	M - F	1 - 3 Days
Anaerobe Culture	ANACU	87075	Microbiology	Avoid any exposure to air (oxygen). Recommended specimens are tissue or biopsy samples, aspirates, body fluids and deep wounds. Body fluids, tissue, aspirate and swabs should be transported in Eswab transport devices. All specimens should be transported to Microbiology as soon as possible at room temperature. Do not refrigerate.	Anaerobic bacterial culture	No anaerobes isolated. Positives reported when detected	M - SU	5 days
Anchovy IgE	ANCHO	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Androstenedione	ADION	82157	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.3 Process Spin and separate Transport Send refrigerated **NOTE** Specimen should be collected between 6-10 am. Heparin or EDTA plasma also acceptable.	HPLC/MS	Call Ref Lab		5 days
Angelman Syndrome	ANGEL	81331	Reference Lab	Container EDTA purple top tubes Preferred 5 mL whole blood (adult) Process Do not spin Transport Send room temp **NOTE** Requisition & consent form must accompany specimen	DNA Methylation Analysis	Call Ref Lab		21 days
Angiotensin Converting Enzyme	ACES	82164	Reference Lab	Container SST tube Preferred 1 ml serum Process Allow to clot completely at room temp, spin and separate within 2 hrs Transport Send refrigerated	Quant Enzymatic	Call Ref Lab		3 days
Angiotensin Converting Enzyme-CSF	ACECS	82164	Reference Lab	Container Sterile container Preferred 1 ml CSF Minimum 0.5 ml Process Spin and separate within 1 hr Transport Send frozen	Quantitative Spectrophotometry	Call Ref Lab		7 days
Animal-Skin Panel #2 IgE Guinea pig Epith, Hamster Epith, Mouse Epith, Rabbit Epith, Rat Epith	SKIN2	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Anise IgE	ANISE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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Anti A1/Anti B	ANTAB	86976	Reference Lab	Container Plain red top Preferred 6 mls whole blood Process Do not spin Transport Send whole blood room temp		Call Ref Lab		7 days
Anti Cardiolipin G&M	ACLA	86147 x2	Immunology	Container 1 SST tube Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	ELISA	IgG: < 15.0 GPL IgM: < 12.0 MPL	Batched at least 2x weekly	1-3 days
Anti DNA Antibodies	DNA	86255	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	IFA	Negative	M - F	1-3 days
Anti Granulocyte Ab	GRANL	86021	Reference Lab	Container 1 plain red top tube Preferred 2 mls serum Minimum 0.5 ml Process Spin and separate Transport Send refrigerated **NOTE** No SST tubes. Only pretransfusion reaction specimen is acceptable.	Indirect Immunofluorescence	Call Ref Lab		7 days
Anti IgA Abs	IGAB	83520	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml Process Spin and separate Transport Send refrigerated	Fluorescent Microsphere Immunoassay	Call Ref Lab		10 days
Anti IgE Receptor Ab	IGEAB	88184 88185 x 2	Reference Lab	Container 1 SST tube Preferred 1 ml serum Process Spin and separate. Storage Send frozen.		Call Ref Lab		10 days
Anti Mitochondrial Antibody	AMA	86255 AMATI 86256	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	IFA	Negative	M-F	1-3 days
Anti Myocardial Muscle Ab	MCA	86255	Reference Lab	Container 1 SST tube Preferred 0.5 ml serum Minimum 0.2 Process Spin and separate Transport Send refrigerated	Indirect Immunofluorescence	Call Ref Lab		3 days
Anti Nuclear Antibody Screen	ANA	86038 ANATI 86039	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	IFA	Negative	M - F	1-3 days
Anti Parietal Cell Antibody	APCA	86255	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	IFA	Negative	M-F	1-3 days
Anti Smooth Muscle Antibody	ASMA	86255 ASMTI 86256	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	IFA	Negative	M-F	1-3 days
Anti Streptolysin O Screen	ASO	86063 ASOTI 86060	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	Latex Agglutination	Negative	M - F	1 day
Anti Thyroid Antibodies	THYAB	86800	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Includes Thyroglobulin and Microsomal Antibodies	Hemagglutination	Negative	Batched at least 2x weekly	1-3 days
Antibody Identification	ABID	86870	Transfusion Service Blood Bank	Container 6ml EDTA pink top Minimum 3ml EDTA purple top Storage RT	Column Agglutination Hemagglutination Solid Phase	NA		8 hours
Antibody Screen (Indirect Coombs)	AS	86850	Transfusions Service Blood Bank	Container 6ml EDTA pink top Minimum 3ml EDTA purple top Storage RT	Column Agglutination Hemagglutination Solid Phase	NA		8 hours
Antibody Titer	TITER	86886	Transfusion Service Blood Bank	Container 6ml EDTA pink top Minimum 3ml EDTA purple top Storage RT	Hemagglutination	NA		8 hours

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Anti-factor Xa	FXA	85130	Coagulation	Container 1 - sodium citrate (blue top) tube; fill tube to FILL LINE MARK. Preferred 2 mL plasma Minimum 0.5 mL plasma Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes Storage Freeze plasma Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.	Chromogenic	0 IU/ml	M - F (batch)	2 HR
Anti-Glomerular Basement Membrane Antibody	GBMAS	83516	Immunology	Container 1 SST tube or 1 red top Preferred 1 mL Serum Minimum 0.5 mL Serum Process Centrifuge Storage Refrigerate Transport Refrigerate	Multiplex Immunoassay	<1.0	M - F	1 day
Antihistamine Screen Urine	LC547	80307	Reference Lab	Container Random urine container Preferred 10 mL urine Transport Ambient temperature good for 3 days, after 3 days, send refrigerated.	GC/NPD	Call Ref Lab		7 days
Anti-Mullerian Hormone	AMLH	83520	Reference Lab	Container SST Tube Preferred 0.5 mls serum Process Spin and separate within 2 hrs Transport Send serum frozen	Qualitative Enzyme-Linked Immunosorbent Assay	Call Ref Lab		7 days
Anti-Myeloperoxidase Antibody (MPO)	MPOAS	83516	Immunology	Container 1 SST tube or 1 red top Preferred 1 mL Serum Minimum 0.5 mL Serum Process Centrifuge Storage Refrigerate Transport Refrigerate	Multiplex Immunoassay	<1.0	M - F	1 day
Antithrombin III -	ATIII	85300	Coagulation	Container 1 - sodium citrate (blue top) tube; fill tube to FILL LINE MARK. Preferred 2 mL plasma Minimum 0.5 mL plasma Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes Storage Freeze plasma Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.	Chromogenic	80 - 120	M - F (batch)	2 HR
Apolipoprotein B	APOLB	82172	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml Process Spin and separate within 2 hrs Transport Send refrigerated **NOTE** Patient must be fasting	Quantitative Nephelometry	Call Ref Lab		3 days
Apple IgE	APPLE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Apricot IgE	APCOT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
APT Test	APT	83033	Microbiology	Sample must have bright red visible blood and not be tarry. Send feces to lab in sterile container or in diaper	Biochemical reaction	Maternal blood only or fetal blood	M-SU	24 HR
aPTT - Post Heparin Removal	PTTHR	85730	Coagulation	Container 1 - sodium citrate (blue top) tube; fill tube to FILL LINE MARK. Preferred 2 mL plasma Minimum 0.5 mL plasma Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes Storage Freeze plasma Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.	Electro-Mechanical Clot Detection	26 - 40 Sec.	M - SU	2 HR
Arginine Vasopressin Hormone	ARGVS	84588	Reference Lab	Container 3 EDTA purple tops Preferred 6 mls plasma Minimum 2.5 mls plasma Process Spin and separate within 2 hrs Transport Send frozen **NOTE** Separate specimens must be sent for multiple tests.	Radioimmunoassay (RIA)	Call Ref Lab		2 weeks
Arsenic, Blood	ARSN	82175	Reference Lab	Container 1 full royal blue Monoject with EDTA Preferred 7 mls whole blood Minimum 0.5 mls Process Send whole blood in original container Transport Send refrigerated	ICP-MS	Call Ref Lab		3 days
Arylsulfatase A, Leukocytes	ARYL.	82657	Reference Lab	Container 1 ACD yellow top tube Preferred 7 mls whole blood Minimum 5 mls whole blood Process Send whole blood in original tube Transport Send refrigerated **NOTE** Draw Monday or Tuesday only.	Colorimetric, Kinetic	Call Ref Lab		10 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Asparagus IgE	ASGUS	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Aspergillus Antibodies	ASPER	86606	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Includes A. fuligatus, A. niger, A. flavus and A. terreus	Immunodiffusion	Negative	M - F	1-3 days
Aspergillus Fumigatus IgE	AFUME	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Aspergillus Galactomannan	ASPGA	87305	Reference Lab	Container 1 SST tube Preferred 2 mls serum Minimum 0.5 ml serum Process Spin and separate within 2 hrs of draw Transport Send refrigerated **NOTE** If over 5 days old, freeze.	EIA	Call Ref Lab		3 days
Aspergillus Galactomannan BAL	ASPBL	87305	Reference Lab	Container Steril container Preferred 0.5mls BAL Transport Send frozen **NOTE** Specimen cannot be sent in trap container		Call Ref Lab		3 days
Aspergillus Galactomannan Bronch Wash	ASPBW	87305	Reference Lab	Container Sterile container Preferred 0.5mls bronch wash Transport Send frozen **NOTE** Specimen cannot be sent in trap container		Call Ref Lab		3 days
Aspergillus Niger IgE	ANIGE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
AST (SGOT)	SGOT 11800	84450	Chemistry	Container 1 Lithium Heparin (Green top) tube Preferred 2 mL plasma Minimum 1 mL plasma Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 4 days Refrigerate (2-8°C) up to 7 weeks Freeze (-20°C) up to 12 weeks	NADH (without P-5'-P)	See Report	M - SU	4 HR
Atenolol	ATENO	80375	Reference Lab	Container 1 plain red top tube Preferred 1 ml serum Process Spin and separate Transport Send refrigerated **NOTE** No SST tubes	HPLC/MS	Call Ref Lab		10 days
Aureobasidium Pullulans IgE	AUREO	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Australian Pine IgE	APINE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Avian Panel	AVPNL	86331	Reference Lab	Container 1 SST tube Preferred 3 mls serum Process Spin and separate Transport Send refrigerated		Call Ref Lab		10 days
Avocado IgE	AVOCA	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
B Type Natriuretic Peptide	BNP	83520	Chemistry	Container 1 EDTA (Lavender top) tube Preferred 2 mL EDTA plasma Minimum 1 mL EDTA plasma Process Specimens must be tested within 4 hours if stored at room temperature. Refrigerated specimens (-2°C) must be tested within 24 hours Storage Refrigerate plasma (2-8°C) Transport Refrigerate (2-8°C) **NOTE** Separate plasma and freeze (-20°C) if testing not performed within 24 hours of collection.	Chemiluminescence	See Report	M - SU	4 HR
Bacterial Aerobic ID	AERID	87077	Microbiology	Isolate transported to laboratory on agar or slant	Phenotypic identification	Organism identification	M-SU	72 HR
Bacterial Anaerobic ID	ANAID	87076	Microbiology	Isolate transported to the laboratory on agar or slant	Phenotypic identification	Organism identification	M-SU	72 HR
Bahia Ige	BAHGR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Bamboo Shoot IgE	BAMBO	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Banana IgE	BANA	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Barbiturate	BAR	80345	Chemistry	Container Random Urine Container Preferred 20 mL of urine Minimum 10 mL of urine Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Preservative - None Refrigerate (2-8°C) up to 5 days Freeze (-20°C) if not done within 5 days	Enzyme Immunoassay	Negative	M - Su	4 HR
Barbiturates Serum	BARBT	80307	Reference Lab	Container 2 SST tubes Preferred 7 mls serum Process Spin and separate within 2 hours Transport Send refrigerated	GC/MS 1A	Call Ref Lab		10 days
Barium	BARUM	80318	Reference Lab	Container 1 plain royal blue metal free tube Preferred 1 ml plasma Process Spin and separate. Pour off serum into metal free tube Transport Send refrigerated.	ICP/MS	Call Ref Lab		5 days
Barley Grass IgE	BARGR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Barley IgE	BARLY	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Bartonella Quintana	BQUN.	86611 X 2	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml serum Process Spin and separate ASAP Transport Send refrigerated.	IFA	Call Ref Lab		10 days
Basil IgE	BASIL	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Bay Leaf IgE	BAY	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
BCR-ABL t(9;22) (Blood)	BCRAB	81206 G0452	Molecular	3 mls of EDTA blood (purple top) 1 ml minimum requirement *Store at 2-8°C (Refrigerate)	Real Time PCR	Negative (for translocation)	Batched M - F	7-10 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
BCR-ABL t(9;22) (Bone Marrow)	BCRBM	81206 G0452	Molecular	Bone Marrow Biopsy Bone Marrow Aspirate in EDTA 1 ml minimum requirement *Store at 2-8°C (Refrigerate)	Real Time PCR	Negative (for translocation)	Batched M - F	7-10 days
BCR-ABL1 Mutation Analysis by Next Gen Seq	BCRMU	81479	Reference Lab	Container EDTA lavender top tube Preferred 5 mls whole blood Process Do not spin Transport Send whole blood refrigerated **NOTE** Draw Mon - Fri ONLY. Must be in Ref Lab by 2PM	Massively Parallel Sequencing	Call Ref Lab		12 days
BCR-ABL-1, Minor (P190)	BCRMN	81207	Reference Lab	Container EDTA lavender top tube Preferred 5 mls whole blood ro 3 mls bone marrow Process Do not spin Transport Send refrigerated **NOTE** Specimen must be received within 48 hours. Draw M-F. Must be in ref lab by 2pm.	PCR	Call Ref Lab		10 days
Beech IgE	BEECH	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Beef IgE	BEEF	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Beets (Beetroot) IgE	BEEB	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Benzodiazepine	BZO	80346	Chemistry	Container Random Urine Container Preferred 20 mL of urine Minimum 10 mL of urine Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Preservative - None Refrigerate (2-8°C) up to 5 days Freeze (-20°C) if not done within 5 days	Enzyme Immunoassay	Negative	M - Su	4 HR
Benzodiazepines Qnt Urine	BZD	80346	Reference Lab	Container Random urine container Preferred 20 mls urine Transport Send room temp	MS	Cal Ref Lab		7 days
Bermuda IgE	BERMG	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Beryllium	BRYLM	83018	Reference Lab	Container 1 plain royal blue metal free tube Preferred 1 ml plasma Process Spin and separate. Pour serum into metal free tube Transport Send refrigerated.	ICP/MS	Call Ref Lab		10 days
Beta ₂ Glycoproteins (IgG & IgM)	B2GLY	86146 x2	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	ELISA	IgG < 18 GPL IgM < 18 MPL	Batched at least 2x weekly	1-3 days
Beta ₂ Microglobulin - Serum	B2SER 35040	82232	Chemistry	Container 1 SST tube Preferred 2 mL serum Minimum 1 mL serum Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Room temperature (20-25°C) up to 1 day Refrigerate (2-8°C) up to 3 days Freeze (-20°C) up to 6 months	Turbidimetric / Immunoturbidimetric	0-18 years No Range 18-60 years 1.3 - 2.9 mg/L > 60years 1.7 - 4.5 mg/L	M - Su	4 HR
Beta ₂ Microglobulin - Urine	B2UR 35045			Mail-out if requested				
Beta-2-Transferrin	BTTR2	86335	Reference Lab	Container Sterile container Preferred 2 mls aural or nasal fluid Minimum 1 ml Process Transfer body fluid from syringe to sterile container. Transport Send refrigerated. Do not freeze.	Qualitative Immunofixation Electrophoresis	Call Ref Lab		5 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Beta-Hydroxybutyrate (β-Hydroxybutyrate)	BHB	82010	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL Plasma Minimum: 1 mL Plasma Process: Centrifuge Storage: Refrigerate (2 - 8° C) Transport: Refrigerate **NOTE** Serum, Sodium Fluoride, EDTA acceptable Refrigerate (2 - 8° C.) up to 7 days	Enzymatic	<4.0 mmol/L	M - SU	4 HR
Beta-Lactoglobulin IgE	BELAC	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Bile Acid Urine	BLACD	82239	Reference Lab	Container: Sterile container Preferred: 50 mls random urine Transport: Send frozen.		Call Ref Lab		21 days
Bile Acids Total	BLAT	82239	Reference Lab	Container: 1 SST tube Preferred: 1 ml serum Process: Allow specimen to clot completely at room temp before spinning. Spin and separate. Transport: Send serum refrigerated. **NOTE** Patient must be fasting 8 hrs. No body fluids.	Enzymatic	Call Ref Lab		2 days
Bilirubin - Direct	DBIL 14225	82248	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable For optimal stability, samples should be protected from bright light Room Temperature (20-25°C) up to 2 day Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 3 months	Diazo J-G with Blank	See Report	M - SU	4 HR
Bilirubin - Neonatal	NBIL 14253	82247	Chemistry	Container: 1 lithium heparin (green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable For optimal stability, samples should be protected from bright light Room Temperature (20-25°C) up to 1 day Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 6 months	Diazo Reaction	See Report	M - SU	4 HR
Bilirubin, Total	TBIL 10900	82247	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable For optimal stability, samples should be protected from bright light Room Temperature (20-25°C) up to 1 day Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 6 months	Diazo Reaction	0.2 - 1.2 mg/dL	M - SU	4 HR
Bilirubin, Total - Body Fluid	TB.F 12901	82247	Chemistry	Container: 1 Sterile Container Preferred: 5 mL body fluid Minimum: 1 mL body fluid Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** For optimal stability, samples should be protected from bright light Room Temperature (20-25°C) up to 1 day, Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 6 months	Diazo J-G with Blank	No Reference Range Available	M - SU	4 HR
Bioavailable Testosterone	TSTTB SHBGL	84402 84403 84270	Reference Lab	Container: 1 plain red top tube Preferred: 1.5 ml serum Minimum: 0.85 ml serum Process: Spin and separate Transport: Send refrigerated **NOTE** No SST tubes	Two-site chemiluminescent Immunoassay/ equilibrium dialysis /LC-MS/MS	Call Ref Lab		4 days
Biotinidase	BIOT	82261	Reference Lab	Container: Plain red top tube Preferred: 1 ml serum Process: Spin and separate immediately Transport: Send serum frozen	Colorimetric	Call Ref Lab		5 days
BK/JC Virus PCR (Blood)	BKJCB	87799 x 2	Molecular	3 mls EDTA blood (purple top) 1 ml minimum requirement *Store at 2-8°C (Refrigerate)	Real Time PCR	Negative	Batched M - F	3 days, 24 hours TAT for STAT is required

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
BK/JC Virus PCR (Urine)	BKJC	87799 x 2	Molecular	5 mls of Urine 1 ml minimum requirement *Freeze specimen within 1 hr	Real Time PCR	Negative	Batched M - F	3 days, 24 hours TAT for STAT is required
Black Pepper IgE	BLPEP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Blackberry IgE	BLACK	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Blastomyces Ab w. Reflex- Serum	BDSER	86612	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.25 ml serum Process Spin and separate within 2 hrs Transport Send refrigerated.	Semi-Quantitative Enzyme-Linked Immunosorbent Assay/Qualitative Immunodiffusion	Call Ref Lab		6 days
Blomia Tropicalis IgE	BTROP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Blood Culture	BC	87040	Microbiology	Adults: Draw 20 ml of blood and divide evenly between aerobic (green) and anaerobic (orange) bottles (short draws, inoculate only the aerobic bottle). Pediatrics: Draw 1-5 ml blood and inoculate the aerobic bottle only. **NOTE** Each order for blood cultures should be blood cultures x2 Draws can be sequential, but each draw site should be prepped. Transport bottles to the Microbiology lab as soon as possible. Physicians will be notified of positive cultures.	Bacterial culture -BacTAlert 3D System	Negative @ 5 days Positives reported when detected	M - SU	5 Days
Blood Culture for Acid fast	BCAF	87116	Microbiology	Collection site should be disinfected according to instructions for bacterial blood culture collection. Adults: 10 ml draw in a Wampole Isolator tube Pediatrics: 1.5 ml draw in a Wampole Isolator tube Transport to the microbiology lab immediately. If immediate transport is impossible, hold at room temperature and transport within 24 hours. Primary smears will not be performed on blood cultures. The physician will be notified of all positive cultures.	Mycobacterial culture- Isolator system	No acid fast bacilli isolated. Positives reported when detected.	M - SU	6 WK
Blood Culture for Fungus	BCFUN	87103	Microbiology	Collection site should be disinfected according to instructions for bacterial blood culture collection. Adults: 10 ml draw in a Wampole Isolator tube Pediatrics: 1.5 ml draw in a Wampole Isolator tube Transport to the microbiology lab immediately. If immediate transport is impossible, hold at room temperature and transport within 24 hours. Primary smears will not be performed on blood cultures. The physician will be notified of all positive cultures.	Fungal culture-Isolator system	No fungus isolated. Positives reported when detected.	M - SU	4 WK
Blood Urea Nitrogen (BUN)	BUN 10200	84520	Chemistry	Container 1 Lithium Heparin (Green top) tube Preferred 2 mL plasma Minimum 1 mL plasma Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 1 year	Urease with GLDH	See Report	M - SU	4 HR
Blue Mussel IgE	BMUSS	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Blueberry IgE	BLUE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Body Tissue Culture	BTCU	87070	Microbiology	Tissue should be sent to the Microbiology lab in a sterile container with a small amount of sterile saline, without preservatives. If immediate transport is not possible, the specimen may be refrigerated up to twelve (12) hours, but needs to be kept moist. If the tissue is collected in an E-swab, it may be held at room temperature for up to 24 hours.	Bacterial culture	No organisms isolated. Positives reported when detected	M - SU	5 days
Bone Alkaline Phosphatase	BNALK	84080	Reference Lab	Container 1 SST tube Preferred 0.5 ml serum Process Spin and separate. Transport Send refrigerated.	Immunoenzymatic Assay	Call Ref Lab		3 days

Baylor Scott and White Reference Lab
Specimen Collection Information

TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Bone Marrow Aspiration	N. A. Paper Requisition	85097	Hematology	Special Instructions: Order a CBC during the 24-hours before a bone marrow collection. Container: 1 - EDTA (lavender) tube Preferred: 1 mL aspirate Minimum: 0.5 mL aspirate Off-Campus Collection: (1) Submit 2 well made unstained peripheral blood smears, and (2) a copy of the CBC report. Storage: Room temperature; deliver to lab ASAP Transport: Keep aspirate cool; transport glass slides in a puncture-resistant slide container. **NOTE** Additional charges may occur if additional special stains are required based upon pathologist findings.	Microscopic w/ Stained Smears	See report; Pathologist Interpretation	M - F	M - TH = 24 HR F = Next Business Day
Bone Marrow Biopsy	N. A. Paper Requisition	85103	Hematology	Special Instructions Order a CBC (21000) during the 24-hours before a bone marrow collection. Preferred 1-2 cm of bone marrow biopsy Minimum A biopsy length less than 1-cm may limit the extent of procedure Collection On The Main Temple Campus - If collected on the S&W main campus, place biopsy in a sterile container. - DO NOT add a preservative. Collection Off Campus - If collected at an off-campus location, place biopsy in a sterile container containing 10% buffered formalin solution (preservative) - Also submit 2 well made unstained peripheral blood smears and a copy of the CBC report - Storage: Room temperate or slightly cool; deliver to lab ASAP - Transport: Keep biopsy at room temperature or slightly cool; transport glass slides in a puncture-resistant slide container. NOTE #1: Additional charges may occur if additional special stains are required based upon pathologist findings. NOTE #2: 10% buffered formalin containers are available by contacting the main Hematology Lab.	Microscopic w/ Stained Tissue	See report; Pathologist Interpretation	M - F	M - TH = 24 HR F = Next Business Day
Bone Marrow Culture	BMCU	87070	Microbiology	Container ISOLATOR TUBE (1.5 ml or 10 ml) Preferred > 1 mL Aspirate Transport Room Temperature: Deliver to Lab ASAP	Bacterial Culture Fungal Culture Acid fast Culture	No orgaisms isolated. Positives reported when detected.	M - Su	6 weeks
Bordetella pertussis/parapertussis	BPPCR	87798 x 2	Molecular	Nasopharyngeal swab in M4 Viral Transport Media *Store at 2-8° C (Refrigerate)	Real Time PCR	Negative	Batched M - F	3 days, 24 hours TAT for STAT is required
Botrytis Cinerea IgE	BOTC	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Bovine Serum Albumin (BSA) IgE	BSA	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Box Elder/Maple IgE	BOXER	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
BRAC Analysis Single Site	BRAC1	81215	Reference Lab	Container EDTA purple top tube provided by Myriad Genetics Preferred 10 mls whole blood Process Do not spin Transport Send room temp overnight in kit provided by Myriad	DNA Analysis	Call Ref Lab		31 days
BRAF Mutation Detection		81210 G0452	Molecular	Specimen Formalin-fixed paraffin embedded tissue block or Thyroid FNA specimens Container Sterile container Minimum Need adequate tumor specimen in block Storage Room temperature, refrigerate FNA samples Transport Ambient	Pyrosequencing	Negative	Batched M - F	7 Days
Brazil Nut IgE	BRAZN	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
BRCA1/BRCA2 Sequence and Del/Dup Analysis	BRC12	81211, 81213	Reference Lab	Container: EDTA lavender top Preferred: 5 mls whole blood Process: Do not spin Transport: Send whole blood room temp	Capillary Sequencing Exon Array CGH	Call Ref Lab		2 weeks

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Breast Cancer High Risk Panel	BCHRP	81211 81213 81321	Reference Lab	Container: EDTA lavender top Preferred: 5 mls whole blood Process: Do not spin Transport: Send whole blood room temp	Exon Array CGH, Next-gen, Sequencing	Call Ref Lab		10 weeks
Breast/Ovarian Cancer Panel	BOCPN	81211 81213	Reference Lab	Container: EDTA lavender top Preferred: 5 mls whole blood Process: Do not spin Transport: Send whole blood room temp	Exon Array CGH, Next-gen Sequencing	Call Ref Lab		10 weeks
Broccoli IgE	BROCC	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Brome IgE	BROME	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Bronchial Brush/Lavage Culture	BBCU	87071	Microbiology	Make direct smears at bedside. Brushes are clipped & dropped in sterile container with saline. Lavage specimens should be submitted in a sterile container. Transport to Microbiology lab as soon as possible. If delays in transport are expected, refrigerate.	Bacterial culture	No organisms isolated. Positives reported when detected	M - SU	72 HR
Bronchial Wash Culture	BWCU	87070	Microbiology	Clinical specimen properly collected in leak-proof container. Should be transported to the laboratory as soon as possible or refrigerated.	Bacterial culture	No organisms isolated. Positives reported when detected	M - SU	48HR
Brucella Ab	BRCLA	86622	Reference Lab	Container: SST Tube Preferred: 1ml serum Process: Spin and separate within 2 hours Transport: Send serum refrigerated	Semi-Qnt Agglutination	Call Ref Lab		5 days
Brussel Sprout IgE	BSPRO	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Buckwheat IgE	BUWH	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Budgerigar Droppings IgE	BUDDR	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Budgerigar Feathers IgE	BUFTH	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Bullous	BLSPM	83516 x2	Reference Lab	Container: Plain red top Preferred: 1 ml serum Process: Spin and separate Transport: Send serum refrigerated	ELISA	Call Ref Lab		7 days
Bupivacaine	BUPVC	80375	Reference Lab	Container: 1 SST tube Preferred: 1 ml serum Process: Spin and separate Transport: Good room temp 3 days, after 3 days, send refrigerated.	LC-MS/MS	Call Ref Lab		10 days
Buprenorphine Urine	BUPRE	80348	Reference Lab	Container: Random urine container Preferred: 20 mls urine Transport: Send room temp	MS	Call Ref Lab		7 days
C 5	C5	86160	Reference Lab	Container: 1 SST tube Preferred: 1 ml serum Minimum: 0.5 ml serum Process: Allow specimen to clot for 1 hr at room temp. Spin and separate within 2 hrs. Freeze immediately. Transport: Send frozen. **NOTE** Separate specimens must be sent for multiple tests	Qnt Radial Immunodiffusion	Call Ref Lab		10 days
C Teloepitide Beta-Cross-Linked	C-TEL	82523	Reference Lab	Container: 1 SST tube Preferred: 1 ml serum Process: Spin and separate within 2 hrs Transport: Send serum frozen	Electrochemiluminescent Immunoassay	Call Ref Lab		5 days

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C. difficile PCR	CDPCR	87493 x 1	Molecular	Specimen Stool (loose) Container Sterile container Minimum 1.0mL Storage Refrigerate, if >24hrs Freeze Transport Keep cool	Real Time PCR	Negative	Sun- Fri	24 Hrs
C. Psittaci Abs	PSIT	86631 X 2 86632	Reference Lab	Container 1 SST tube Preferred 1 ml serum Process Spin and separate Transport Send serum room temp.	IFA	Call Ref Lab		4 days
C1 Esterase Inhibitor	CIIN	86160	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin, separate and freeze within 2 hours Transport Critical frozen **NOTE** Separate tubes must be sent for multiple tests	Nephelometry	Call Ref Lab		5 days
C1 Esterase Inhibitor Functional	CIENC	86161	Reference Lab	Container SST tube Preferred 0.5 ml serum Process Spin, separate and freeze within 2 hrs Transport Critical frozen **NOTE** Separate tubes must be sent for multiple tests	Semi-Qnt ELISA	Call Ref Lab		5 days
CIQ Autoantibody	CIQAA	83520	Reference Lab	Container: 1 plain red top Preferred: 1 ml serum Process: Spin and separate Transport: Send frozen	ELISA	Call Ref Lab		14 days
C2 Complement Functional	C2FXN	86161	Reference Lab	Container: Plain red top tube Preferred: 1 ml serum Process: Immediately after collection, put on ice, spin and separate freeze immediately Transport: Send frozen **NOTE** Fasting preferred but not required	Qual Enzyme Immunoassay	Call Ref Lab		5 days
C3 - Complement	C3.	86160	Chemistry	Container: 1 Lithium Heparin (green top) tube Preferred: 2ml plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Refrigerate (2-8°C) up to 8 days Freeze (-20°C) for 8 days	Immunoturbidimetric	>11 yrs. 90-180 mg/dl	M - S	4 HR
C4 - Complement	C4.	86160	Chemistry	Container: 1 Lithium Heparin (green top) tube Preferred: 2ml plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Refrigerate (2-8°C) up to 8 days Freeze (-20°C) up to 8 days	Immunoturbidimetric	>11 yrs. 10-40 mg/dl	M - S	4 HR
C4 - Mailout	C4SND	86160	Reference Lab	Container: 1 plain red top Preferred: 1 ml serum Process: Spin and separate Transport: Send frozen	Nephelometry	Call Ref Lab		14 days
CA125	CA125 34125	86304	Chemistry	Container 1 SST tube Preferred 2 mL serum Minimum 1 mL serum Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerated **NOTE** Lithium Heparin Acceptable Spin and remove serum from clot, gel separator or cells within 24-hours of collection Refrigerate (2-8°C) up to 7 days Freeze (-20°C) if testing will be delayed more than 7 days	Chemiluminescent Microparticle Immunoassay (CMIA)	0 - 35.0 U/mL	M - Su	4 HR
CA15-3	CA15.	86300	Chemistry	Container 1 SST tube Preferred 2 mL serum Minimum 1 mL serum Process Spin and separate Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Lithium Heparin Acceptable If testing will be delayed more than 24 hours, remove serum or plasma from the clot, separator or red blood cells and store at 2-8°C Refrigerate (2-8°C) up to 7 days Freeze (-20°C) if not done within 7 days	Chemiluminescent Microparticle Immunoassay (CMIA)	0 - 31.3 U/mL	M - SU	4 HR
Cabbage IgE	CABB	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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Cacao/Cocoa Ige	COCOA	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cadmium Urine	CDMUR	82300	Reference Lab	Container: 24 hr urine container with no preservative Preferred: 10 mls urine Minimum: 1 ml urine Process: Aliquot into clean plastic container with no metal lid or glued insert . Refrigerate within 4 hrs of completion. Transport: Send refrigerated	ICP-MS	Call Ref Lab		4 days
Cadmium, Blood	CADM	82300	Reference Lab	Container: 1 royal blue monoject tube with EDTA Preferred: 3 mls whole blood Minimum: 0.3 ml whole blood Process: Leave in original tube Transport: Send refrigerated	ICP-MS	Call Ref Lab		4 days
Caffeine	CAFF	80155	Reference Lab	Container: 1 SST tube Preferred: 0.5 ml serum Minimum: 0.25 ml serum Process: Spin and separate within 2 hours Transport: Send refrigerated **NOTE** Freeze if collected Fri, Sat or Sun	Immunoassay	Call Ref Lab		3 days
Calcitonin	CALTN	82308	Reference Lab	Container: SST tube Preferred: 2 mls serum Process: Spin and separate within 2 hrs Transport: Send serum refrigerated	Qnt Chemiluminescent Immunoassay	Call Ref Lab		3 days
Calcium	CA 10400	82310	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 7 days Refrigerate (2-8°C) up to 3 weeks Freeze (-20°C) up to 8 months	Arsenazo III	8.6 - 10.1 mg/dL	M - SU	4 HR
Calcium - Ionized	ICA 14700	82330	Chemistry	Container: 1 SST (Yellow top) tube Preferred: Full tube Minimum: Full tube Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerated **NOTE** DO NOT open cap Tube should be completely filled PICO syringe is acceptable	Ion Selective Electrode (ISE)	1.17 - 1.30 mmol/L 4.7 - 5.2 mg/dL	M - SU	4 HR
Calcium - Urine (24 Hr)	UCALC 14911	82340	Chemistry	Container: 24 hour Urine Container Preferred: 10 mL aliquot from well mixed 24 hr collection Minimum: 5 mL aliquot from well mixed 24 hr collection Process: Centrifuge aliquot Preservative: 20 - 30 mL of 6 mol/L HCL If preservatives are not used during 24 hour collection adjust pH to <2 with 6 mol/L HCL Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature (20-25°C) up to 2 days Refrigerate (2-8°C) up to 4 days Freeze (-20°C) up to 8 months	Arsenazo III	50 - 400 mg/vol	M - SU	4 HR
Calcium - Urine (Random)	UCAR 14912	82340	Chemistry	Container: Random Urine Container Preferred: 10 mL of urine Minimum: 5 mL of urine Process: Adjust pH to <2 with 6 mol/L HCL Centrifuge Aliquot Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature (20-25°C) up to 2 days Refrigerate (2-8°C) up to 4 days Freeze (-20°C) up to 3 weeks	Arsenazo III	No Reference Range Available	M - SU	4 HR
Calprotectin	CPROT	83993	Reference Lab	Container: Sterile container Preferred: 6 grams random stool Minimum: 1 grams random stool Storage: Send refrigerated. If over 5 days, freeze.	ELISA	Call Ref Lab		5 days
CALR (Calreticulin) Exon 9 Mutation	CALR9	81219	Reference Lab	Container: EDTA lavender top tube Preferred: 5 mls whole blood or 3 mls bone marrow Process: Do not spin, do not freeze Transport: Send whole blood or bone marrow refrigerated	PCR / Capillary Electrophoresis	Call Ref Lab		10 days
Canary Feathers Ige	CAFTH	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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Cancer Antigen-GI (CA 19-9)	C199	86301	Reference Lab	Container: SST tube Preferred: 1 ml serum Process: Allow to clot completely at room temp, spin and separate within 2 hrs Transport: Send refrigerated	Quant Electrochemiluminescent Immunoassay	Call Ref Lab		3 days
Candida Albicans IgE	CALBI	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
CAR Autoantibody	CARA	83520	Reference Lab	Container: 1 SST tube Preferred: 2 mls serum Process: Spin and separate. Transport: Send refrigerated	Western blot	Call Ref Lab		2 weeks
Caraway IgE	CAWAY	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Carb Def Transferrin for CDG	CDG	82373	Reference Lab	Container: Plain red top tube Preferred: 0.1 ml serum Process: Spin and separate Transport: Send serum frozen **NOTE** Reason for referral is required	MS	Call Ref Lab		10 days
Carbamazepine	CARB 16550	80156	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 2 days Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 1 month	Enzyme Immunoassay	4 - 10 mcg/mL	M - SU	4 HR
Carbohydrate Def Transferrin	CDFT	82373	Reference Lab	Container: Plain red top tube Preferred: 0.1 ml serum Process: Spin and separate Transport: Send serum frozen **NOTE** Reason for referral is required	MS	Call Ref Lab		10 days
Carboxyhemoglobin	COHG 14530	82735	Chemistry	Chemistry Container: 1 Sodium Heparin (No gel) tube or 1 ml blood in Blood Gas Syringe Preferred: 3 mL whole blood Minimum: 1 mL whole blood Process: Do Not Spin Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Assay within 72 hours	Spectrophotometric	Non-smoker: 0 - 5.0 % Smoker: 5.0 - 10.0%	M - SU	4 HR
Cardamon IgE	CAMOM	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Carmine/Red Dye IgE	COCH	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Carnitine Free & Total (includes Esterified)	CARFT	82379	Reference Lab	Container: Plain red top tube Preferred: 0.5 ml serum Process: Spin and separate within 2 hrs. Avoid hemolysis Transport: Send serum frozen **NOTE** Separate specimens must be sent for multiple tests	MS	Call Ref Lab		5 days
Carob IgE	CAROB	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Carrier Screen Expanded Cystic Fibrosis, Fragile X, SMA (3 Genes)	CEXCF			Container: Lavender top tube Preferred: 4 mls whole blood Process: Do not spin Transport: Send whole blood room temp overnight If over 48 hrs, send refrigerated		Call Ref Lab		

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Carrot IgE	CAROT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Casein IgE	CASE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cashew IgE	CASHW	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cat Epithelium IgE	CATD	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cat Scratch Fever	CA.TS	86611 x 2	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml serum Process Separate from cells ASAP Transport Send refrigerated	IFA	Call Ref Lab		10 days
Catecholamines, Plasma	CATPL	82384	Reference Lab	Container Lithium heparin green top collected on ice Preferred 4 mls plasma Process Spin and separate within 1 hr Transport Send frozen **NOTE** Patient should be calm and supine for 30 mins prior to collection	Qty HPLC	Call Ref Lab		5 days
Catecholamines, Urine	CATFR	82384	Reference Lab	Container 24 hr urine container Preferred 4 mls urine Process Refrigerate during collection. pH can be adjusted to 2-3 by adding acid such as 6 mol/L HCl. Not stable above pH7. Transport Send refrigerated **NOTE** Drugs and medications may affect results and should be discontinued for at least 72 hrs prior to collection.	HPLC/MS	Call Ref Lab		5 days
Catfish IgE	CFISH	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Catheter Tip Culture	TPCU	87070	Microbiology	Clip end of catheter tip and place into sterile container. Transport to the Microbiology lab as soon as possible. **Blood cultures should accompany specimen to the laboratory for proper interpretation of tip culture.**	Bacterial culture	Quantitative colony counts <=15	M - SU	72 HR
Cauliflower IgE	CAULI	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
CBC (Complete Blood Count) with WBC differential	CBC	85025	Hematology	Container 1 EDTA (lavender) tube must be more than 1/2 full for accurate results Preferred 2-3 mL whole blood Vacuated Collection Tube Minimum 1/3 of optimal collection volume of vacuated collection tubes Microcontainer Minimum 0.5 mL Storage Store whole blood at room temperature if testing is performed within 4-hours of collection; otherwise refrigerate. Refrigerated sample satisfactory for 24-hours. Transport Keep cool	Cell Counter Automated w/Fluorescent Stain	See report	M - SU	Hemogram = 2 HR, Auto-Diff = 2-HR, Manual DIFF = 4-HR
CBC (Complete Blood Count) without differential	CBC	85025	Hematology	Container 1 - EDTA (lavender) tube; must be more than 1/2 full for accurate results Preferred 2-3 mL whole blood Vacuated Collection Tube Minimum 1/3 of optimal collection volume of vacuated collection tubes Microcontainer Minimum 0.5 mL Storage Store whole blood at room temperature if testing is performed within 4-hours of collection; otherwise refrigerate. Refrigerated sample satisfactory for 24-hours. Transport Keep cool	Cell Counter Automated w/Fluorescent Stain	See report	M - SU	Hemogram = 2 HR, Auto-Diff = 2-HR, Manual DIFF = 4-HR

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CD20 w/CBC	CD20	86355 x2	Immunology	Container 1 Sodium Heparin (Green) top Preferred 1 ml Whole Blood Minimum 0.5 ml Process DO NOT SPIN Storage Room Temperature Transport Room Temperature **NOTE** Includes CD3, CD19, CD20 Can use EDTA (Purple) top if <24 hrs old MUST HAVE CBC ORDERED	Flow Cytometry	See Report	M-F	1-3 days
CEA - Carcinoembryonic Antigen	CEA 34115	82378	Chemistry	Container: 1 SST tube Preferred: 2 ml serum Minimum: 1 ml serum Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Lithium Heparin Acceptable Remove plasma/serum from cells/gel within 24 hours Refrigerate (2-8°C) up to 7 days Freeze (-20°C)	Chemiluminescent Microparticle Immunoassay (CMLIA)	Smoker: 0 - 5 ng/ml Non-smoker: 0 - 3 ng/ml	M - Su	4 HR
CEA Body Fluid	CEBF	82378	Reference Lab	Container Sterile container Preferred 1 mls body fluid Minimum 0.5 mls body fluid Storage Sued refrigerated	Electrochemiluminescent Immunoassay	Call Ref lab		3 days
CEBPA Mutation Detection	CBPAM	81218	Reference Lab	Container EDTA Lavender top or bone marrow Preferred 5 mls whole blood or 3 mls bone marrow Process Do not spin Transport Send whole blood to bone marrow refrigerated	PCR/Sequencing	Call Ref Lab		2 weeks
Cedar IgE	CEDAR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Celery IgE	CELRY	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Celiac Associated HLA-DQ type (DQ2 and DQ8)	CELIC	81376	HLA	10 ml (cc) of blood in yellow top tube (ACD-A) or lavender EDTA tube. Minimum amount is 3 ml of whole blood. Store at room temperature.	PCR-SSP	Present or not present	M - F	7 Days
Cell Count - Diff Body Fluid	BFLCC	89050	Microbiology	Specimen should be collected in a sterile, leak proof container. If cultures are also ordered, 5 - 7 mls of fluid should be sent. Heparin may be added to prevent clotting. Cell count will not be performed on clotted specimen. Physician will be notified if clotting is present.	Hemacytometry / Microscopy	<1 WBC/mL	M - SU	2 HR
Cell Count-Diff CSF	CSFCC	89050	Microbiology	Clean the puncture site with antiseptic solution and alcohol before needle insertion to prevent the introduction of infection. Specimen should be divided into 3 sterile leak proof tubes. Tube 1 should be sent for chemistry and immunological studies; tube 2 for microbiology studies; and tube 3 for cell counts. Cerebrospinal fluid may be collected by lumbar puncture, C1 sternal puncture, lateral cervical puncture or ventricular cannulas (or shunt). If > 5 white cells are present, results shall promptly be reported to the physician, nurse, secretary or other clinical personnel responsible for patient care. Results will be entered in computer upon completion of cell count procedure.	Hemacytometry / Microscopy	0-5WBC/mL ADULT, 0-30 WBC/mL CHILD	M - SU	2 HR
Centromere -B Antibody	CENTB	86235	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	Multiplex Immunoassay	Negative	M - F	1 day
Cephalosporium Acremonium IgE	CARCE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Ceruloplasmin	CER	82390	Chemistry	Container: 1 Lithium Heparin (green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 8 days Refrigerate (2-8°C) up to 2 weeks Freeze (-20°C) up to 3 months	Turbidimetric / Immunoturbidimetric	18-45 mg/dL	M - S	4 HR
CF Respiratory Culture	CFRCU	87070	Microbiology	Collect specimen in a sterile container. Acceptable specimens include sputum, bronch wash, sterile brush/lavage, throat swab or other respiratory secretions. Transport to the lab immediately or refrigerate.	Bacterial culture	No organisms isolated. Positives reported when detected	M - SU	5 Days
CF Respiratory Culture, Quantitative	CFQCU	87071	Microbiology	Collect specimen in a sterile container. Acceptable specimens are sterile brush or bronchial lavage. Transport to the lab immediately or refrigerate.	Quantitative bacterial culture	No organisms isolated. Positives reported when detected	M - SU	5 Days

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Specimen Collection Information

TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
CGH Microarray for detection of cryptic unbalanced chromosome rearrangements in dev delay, autism, birth defects, multiple congenital abnormalities. Should be considered if individual had previous chromosomes that were normal.	CGHMA	81229	Molecular	2 EDTA (purple top) tubes, or amniotic fluid in a sterile container, or a product of conception in tissue transport media, RPMI, or sterile saline kept at room temp. Requires prior written insurance approval and Scott and White DNA consent form	MicroArray	Normal male or normal female for Oligos tested	CALL LAB AT 254-724-3704	1-2 WEEKS If faster turn around needed call lab at 254-724-3704
Chaetomium Globosum IgE	CHAET	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cheese, Cheddar IgE	CHEZC	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cheese, Mold Type IgE	CHEZM	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cherry IgE	CHERY	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Chestnut, Sweet IgE	CHEST	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Chicken Droppings IgE	CKNDR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Chicken Feathers IgE	CKFTH	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Chicken IgE	CHICK	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Chickpea IgE	CKPEA	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Chicken Serum Protein IgE	CKNSP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Chikungunya Abs	CHKAB	86790 x2	Reference Lab	Container SST tube Preferred 0.5 ml serum Process Spin and separate within 2 hrs Transport Send serum refrigerated	IFA	Call Ref Lab		9 days
Childhood-Onset Epilepsy Panel	CHEPI	81302 81304 81404 81405 81406 88271 x 10 88291 84311	Reference Lab	Container EDTA Lavender Top Preferred 3mls whole blood Process Do not spin Transport Send room temp overnight	Exon Array CGH, Next-gen sequencing	Call Ref Lab		10-12 weeks
Chili Pepper IgE	CHILI	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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Specimen Collection Information

TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Chlamydia Pneumoniae Abs	CHLPN	86631 X 2 86632	Reference Lab	Container: 1 SST tube Preferred: 1 ml serum Minimum: 0.4 mls serum Process: Spin and separate Transport: Send refrigerated	MICRO-IF	Call Ref Lab		3 days
Chlamydia Pneumoniae PCR	CPCR	87486	Reference Lab	Container: Sterile container Preferred: 2 mls respiratory specimen (bronch lavage, nasal wash, pleural fluid) Process: Transfer 2 mls fluid to a sterile container. Viral transport media acceptable for swabs. Transport: Send fluid frozen	PCR	Call Ref Lab		7 days
Chlamydia Trachomatis PCR	PCRCH	87491 x 1	Molecular	Specimen: 20-30 mL of first-catch urine. Transfer at least 1 mL to APTIMA Collection Tube. Container: APTIMA Collection Device Minimum: 1.0mL Storage: 2-30°C Transport: Keep cool	Target Amplification	Negative	Batched M - F	3 days, 24 hours TAT for STAT is required
Chlamydia Trachomatis PCR - Urine (ordered w/Neisseria Gonorrhea-GCCHU)	PCRCH	87491 x 1	Molecular	Preferred Specimen: Urine in APTIMA Collection Device Container: Urine APTIMA Collection Device or urine in steril container Minimum: 1.0mL Storage: 2-30°C Transport: Keep cool	Target Amplification	Negative	Batched M - F	3 days, 24 hours TAT for STAT is required
Chloride	CL 10700	82435	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **Note** Serum acceptable Room Temperature (20-25°C) up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 1 year	Ion Selective Electrode (ISE)	See Report	M - SU	4 HR
Chloride - Urine (24 Hr)	UCL 14920	82436	Chemistry	Container: 24 Hour Urine Container Preferred: 10 mL aliquot from well mixed 24 hr collection Minimum: 5 mL aliquot from well mixed 24 hr collection Process: Preservative - None Storage: Refrigerate (2-8°C) Transport: Refrigerate **Note** Room Temperature (20-25°C) up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 7 days	Ion Selective Electrode (ISE)	110 - 250 mEq/L	M - SU	4 HR
Chloride - Urine (Random)	UCL.R 14922	82436	Chemistry	Container: Random Urine Container Preferred: 10 mL of urine Minimum: 5 mL of urine Process: Preservative - None Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature (20-25°C) up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 7 days	Ion Selective Electrode (ISE)	No Reference Range Available	M - SU	4 HR
Cholesterol	CHOL. 11600	82465	Chemistry	Container: 1 Lithium Heparin (green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 3 months	Enzymatic	See Report	M - SU	4 HR
Cholesterol, Fluid	CHL.F	82465	Chemistry	Container: Sterile Container Preferred: 5 mL Body Fluid Minimum: 1 mL Body Fluid Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room temperature (20-25°C) up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 3 months	Enzymatic	No Reference Range Available	M - SU	4 HR
Chromium Serum	CRM	82495	Reference Lab	Container: Royal blue no additive tube Preferred: 2 mls serum Process: Spin and separate ASAP. Pour off into metal free tube Transport: Send room temperature **NOTE** Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals and non-essential over the counter meds.	Qnt Inductively Coupled Plasma-Mass Spec	Call Ref Lab		5 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Chromium Urine	CRMUR	82495	Reference Lab	Container: 1 24 urine container with no preservative. Preferred: 10 mls urine Minimum: 5 mls urine Process: Aliquot into plastic container with no metal lid or glued insert. Refrigerate within 4 hrs of completion of collection. Transport: Send refrigerated.	DRC-ICP-MS	Call Ref Lab		7 days
Chromium Urine Random	CHRMU	82495	Reference Lab	Container: Random urine container Preferred: 3 mls end of shift urine Process: Send in metal free container. Transport: Send refrigerated.	C, GFAAS	Call Ref Lab		4 days
Chromogranin A	CGN.A	86316	Reference Lab	Container: 1 SST tube Preferred: 1 ml serum Minimum: 0.5 ml serum Process: Allow specimen to clot completely at room temp. Spin and separate ASAP. Transport: Send frozen.	EIA	Call Ref Lab		7 days
Cinnamon IgE	CINNA	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Circulating Immune Complex	IMMCM	86332	Reference Lab	Container: 1 SST tube Preferred: 2 mls serum Process: Spin and separate Transport: Send room temp		Call Ref Lab		14 days
Citrate Excretion	CITRU	82507	Reference Lab	Container: 24 hr urine jug w/10 grams boric acid Preferred: 5 mls urine Minimum: 1 ml urine Process: Aliquot specimen into plastic tube Transport: Send refrigerated **NOTE** Any drug that contains alkalemia or acidemia may be expected to alter citrate excretion and should be avoided if possible.	Enzymatic	Call Ref Lab		3 days
Citrate Excretion		82507	Reference Lab	Container: 24 hr urine jug Preferred: 5 mls urine Minimum: 1 ml urine Process: Collect in jug with no preservative as long as urine is refrigerated during and after collection Aliquot specimen into plastic tube Transport: Send refrigerated **NOTE** Any drug that contains alkalemia or acidemia may be expected to alter citrate excretion and should be avoided if possible.	Enzymatic	Call Ref Lab		3 days
CK - MB Mass	CKMB 12500	82553	Chemistry	Container: 1 Lithium Heparin (green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge within 2 hours of collection Storage: Refrigerate (2-8°C) up to 8 hours after collection Transport: Refrigerate **NOTE** Serum acceptable When serial specimens are being evaluated, the same type of specimen should be used throughout the study. If testing not performed within 8 hours, separate plasma or serum from cells, clot or serum separator and store at (2-8°C) up to 72 hours Freeze (-10°C or below) up to 30 days	Chemiluminescent Microparticle Immunoassay (CMIA)	See Report	M - SU	4 HR
Cladosporium IgE	CLAD	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Clam IgE	CLAM	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Clonazepam & 7-Amino Clonazepam	CLNZM	80346	Reference Lab	Container: Random urine container Preferred: 2 mls urine Transport: Send refrigerated	LC/MS	Call Ref Lab		7 days
Clonidine	CLOND	80375	Reference Lab	Container: 1 plain red top Preferred: 3 mls serum Process: Spin and separate Transport: Send refrigerated	LC/MS/MS	Call Ref Lab		10 days
Clorazepate (Assayed as Nordiazepam)	CLZ	80346	Reference Lab	Container: Plain red top tube Preferred: 1 ml serum Process: Spin and separate within 2 hrs Transport: Send serum refrigerated **NOTE** No SST tubes. Should be pre-dose (trough) draw	LC-MS	Call Ref Lab		6 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Clove IgE	CLOVE	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Clozapine (Clozaril) Serum	LC545	80159	Reference Lab	Container: Plain red top tube Preferred: 1ml serum Process: Spin and separate Transport: Send serum refrigerated		Call Ref Lab		5 days
CMV AB-IgG (Cytomegalovirus Antibody)	CMVG	86644	Immunology	Container: 1 SST tubes Preferred: 1 ml Serum Minimum: 0.5 ml Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate	ELISA	Negative	Batched at least 2x weekly	1-3 days
CMV AB-IgM (Cytomegalovirus-IgM Antibody)	CMVMX	86645	Immunology	Container: 1 SST tubes Preferred: 1 ml Serum Minimum: 0.5 ml Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate	ELISA	Negative	Batched at least 2x weekly	1-3 days
CO2 (Carbon Dioxide)	CO2 10800	82374	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **Note** Serum acceptable. Room Temperature (20-25°C) up to 1 day Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 2 weeks	PEP Carboxylase	See Report	M - SU	4 HR
Cobalt Serum	COBT	83018	Reference Lab	Container: Royal blue no additive tube Preferred: 2 mls serum Process: Spin and separate within 2 hours. Pour off into metal free tube Transport: Send room temp **NOTE** Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals and non-essential over the counter meds	Qnt Inductively Coupled Plasma-Mass Spec	Call Ref Lab		6 days
Cocaine	COC	80353	Chemistry	Container: Random Urine Container Preferred: 20 mL of urine Minimum: 10 mL of urine Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Preservative - None Refrigerate (2-8°C) up to 5 days Freeze (-20°C) if not done within 5 days	Enzyme Immunoassay	Negative	M - Su	4 HR
Cocaine by LC/MS (U)	COCDC	G0480	Chemistry	Container: Random Urine Container Preferred: 3 mL of urine Minimum: 3 uL of urine Transport: Send refrigerate Storage: Room temperature up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-15°C to -30°C) 30 days	Liquid Chromatography Tandem Mass Spectrometry	See Report	M - F	3 days
Coccidioides Ab Serum	COABS	86635	Reference Lab	Container: 1 SST tube Preferred: 1 ml serum Minimum: 0.5 ml serum Process: Spin and separate within 2 hours Transport: Send refrigerated	Complement fixation	Call Ref Lab		5 days
Coccidioides Antigen	COCAG	87449	Reference Lab	Container: 1 SST tube Preferred: 2 mLs serum Process: Spin and separate Transport: Send serum AMBIENT **NOTE** Urine and CSF are also acceptable specimens. Interfering substances include sputolysin and sodium hydroxide.	EIA	Call Ref Lab		5 days
Cocklebur IgE	COCKL	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cockroach IgE	ROACH	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Coconut IgE	CONUT	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cod Fish IgE	COD	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Coffee IgE	COFFE	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cold Agglutinin	COLD	86156	Immunology	Container: 2 Red Top tubes Preferred: 2 ml Serum Minimum: 1 ml Serum Process: Specimen must be at 37°C from draw to lab. Then centrifuge and remove from cells. Storage: Refrigerate once removed from cells Transport: Refrigerate once removed from cells. Send both serum and cells to lab **NOTE** Sample must remain at 37°C until clotted. Once clotted, centrifuge and remove serum from cells	Agglutination	Negative	M - F	1-3 days
Collagen Type II Ab	TIICL	83520	Reference Lab	Container: 1 SST tube Preferred: 2 mls serum Process: Spin and separate Transport: Send ambient		Call Ref Lab		21 days
Common Millet IgE	MILLC	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Complement - Total (CH 50)	CH50	86162	Immunology	Container: 1 Red Top Tube (Serum) Preferred: 1 ml Serum Minimum: 0.5 ml Process: Centrifuge Storage: Frozen Transport: Frozen **NOTE** Separate serum into 2 aliquot tubes and freeze within 2 hours of collection. Ship frozen on dry ice.	Functional Hemolysis	101-300 CH50 Units	Batched per workload	1-3 days
Complement C1Q	CIQCM	86160	Reference Lab	Container: 1 SST tube Preferred: 1 ml serum Minimum: 0.5 ml serum Process: Spin and separate Transport: Send refrigerated **NOTE** Pt must be fasting	Nephelometry	Call Ref Lab		3 days
Comprehensive Epilepsy Panel	CMPEP	81302 81304 81404 81405 81406 81407 88271 x 10 88291 84311	Reference Lab	Container: EDTA Lavender Top Preferred: 3mls whole blood Process: Do not spin Transport: Send room temp overnight	Exon Array CGH, Next-gen sequencing	Call Ref Lab		10-12 weeks
Connexin 26 (GJB2) Sequencing	CNX26	81252	Reference Lab	Container: EDTA purple top tube Preferred: 3 mls whole blood Process: Do not spin Transport: Send refrigerated	Nucleic Acid Probe/Fluorescence Signal Amplification/PCR/ Sequencing	Call Ref Lab		21 days
Copper, Liver Tissue	CPLT	82525	Reference Lab	Container: Mayo metal free container Minimum: 2 mg fresh or frozen liver tissue Process: Tissue is from a 14-gauge needle biopsy at least 0.5 cm long. Transport: Send refrigerated Note: Paraffin block acceptable if not more than 1 or 2 cuts have been made to it for slides.	ICP-MS	Call Ref Lab		5 DAYS
Copper, Serum	CPSR	82525	Reference Lab	Container: Royal blue EDTA no additive Preferred: 2 ml serum Process: Spin and separate within 2 hours. Transfer to metal free pour off tube Transport: Send room temperature **NOTE** Pts should be encouraged to discontinue nutritional supplements, vitamins, minerals and non-essential over the counter medications	Qnt Inductively Coupled Plasma Mass Spec	Call Ref Lab		3 days
Copper, Urine	COPU	82525	Reference Lab	Container: 24 urine container with no preservative Preferred: 10 mls urine Minimum: 5 mls urine Process: Aliquot into plastic transport tube. Transport: Send refrigerated.	ICP-MS	Call Ref Lab		4 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Coriander IgE	CORIA	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Corn (food) IgE	CORN	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cortisol	CORT.	82533	Chemistry	Container 1 SST tube Preferred 2 mL serum Minimum 1 mL serum Process Spin and separate Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Lithium Heparin Acceptable If testing will be delayed for more than eight hours, remove plasma or serum from the serum or plasma separator, red blood cells or clot Room Temp 8 hours Refrigerate (2-8°C) up to 14 days Freeze (-20°C) up to 30 days	Chemiluminescent Microparticle Immunoassay (CMIA)	AM: 7-25 mcg/dL PM: 2-14 mcg/dL	M -SU	4 HR
Cortisol, Saliva	SACRT	82533	Reference Lab	Container: Special swab provided by May Preferred: 1.5 ml Process: Special instructions Transport: Send refrigerated	LC MS/MS	Call Ref Lab		5 days
Cortisol, Urine 24 HR	COR-U	82530	Reference Lab	Container 24 hr urine container with 10 g boric acid as preservative at start of collection. Preferred 5 mls urine Minimum 3 mls urine Process Aliquot into plastic urine container Transport Send refrigerated	LC-MS/MS	Call Ref Lab		3 days
Cotinine	NIC	80323	Chemistry	Container 10 mL of urine Preferred 10 mL of urine Minimum 5 mL of urine Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Room Temperature (20-25°C) up to 8 hours Refrigerate (2-8°C) up to 3 days Freeze (-20°C) for longer storage	One-Step Immunoassay	Negative	M - Su	4 HR
Cotton Fiber IgE	COFIB	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cotton Seed IgE	COSED	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cottonwood IgE	COWOD	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cow Epithelium IgE	COWD	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cossackie A	CXAAB	86658 x 6	Reference Lab	Container: SST tube Preferred: 2 mls serum Process: Spin and separate Transport: Send refrigerated	Complement Fixation	Call Ref Lab		10 days
Cossackie B	CXBAB	86658 x 6	Reference Lab	Container: SST tube or CSF Preferred: 1 ml serum or CSF Process: Spin and separate serum within 2 hrs Transport: Send refrigerated	Semi-Quant Serum Neutralization	Call Ref Lab		10 days
C-Peptide	CPPT	84681	Reference Lab	Container: SST Tube Preferred: 1 ml serum Process: Allow specimen to clot completely at room temp, spin and separate ASAP Transport: Send frozen **NOTE** Fasting patient preferred	Quant Chemiluminescent Immunoassay	Call Ref Lab		3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
CPK (Creatine Kinase) (CK) (CPK)	CK 12200	82550	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature(20-25°C) up to 2 days Refrigerate (2-8°C) up to 7 days	NAC (N-acetyl-L-cysteine)	0 - 225 U/L	M - SU	4 HR
Crab IgE	CRAB	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cranberry IgE	CRAN	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Crayfish IgE	CRAY	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
C-Reactive Protein	C.RP 34140	86140	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate	Turbidimetric / Immunoturbidimetric	0 - 3.2 mg/L	M - SU	4 HR
C-Reactive Protein, High Sensitivity	CRPH	86141	Chemistry	Container: 1 Lithium Heparin (green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 15 days Refrigerate (2-8°C) up to 2 months Freeze (-20°C) up to 3 years	Turbidimetric / Immunoturbidimetric	See Report	M - S	4 HR
Creatinine	CREA 10300	82565	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 3 months	Kinetic Alkaline Picrate	See Report	M - SU	4 HR
Creatinine - Body Fluid	CRE.F 14940	82570	Chemistry	Container: Sterile Container Preferred: 5 mL body fluid Minimum: 1 mL body fluid Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature (20-25°C) up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 3 months	Kinetic Alkaline Picrate	No Reference Range Available	M - SU	4 HR
Creatinine - Clearance	CCLR 11510	82575	Chemistry	Container: 24 hour Urine Container / One Li Heparin Tube (Green Top) Preferred: 10 mL aliquot from well mixed 24 hr collection - 2 mL plasma Process: Preservative - None Storage: Refrigerate (2-8°C) Transport: Refrigerate	Kinetic Alkaline Picrate	Male 70 - 140 mL/min Female	M - SU	4 HR
Creatinine - Urine (24 Hr)	UCREA 14931	82570	Chemistry	Container: 24 hour Urine Container Preferred: 10 mL aliquot from well mixed 24 hr collection Minimum: 5 mL aliquot from well mixed 24 hr collection Process: Preservative - None Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Acceptable Preservative - HCL, Boric Acid Room Temperature(20-25°C) up to 2 days Refrigerate (2-8°C) up to 6 days Freeze (-20°C) up to 6 months	Kinetic Alkaline Picrate	Male 1.0 - 2.0 gm/Vol Female 0.8 - 1.8 gm/Vol	M - SU	4 HR

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Creatinine - Urine (Random)	UCR.R 14932	82570	Chemistry	Container: Random Urine Container Preferred: 10 mL of urine Minimum: 5 mL of urine Process: Preservative -None Acceptable Preservative: HCL, Boric Acid Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature (20-25°C) up to 2 days Refrigerate (2-8°C) up to 6 days Freeze (-20°C) up to 6 months	Kinetic Alkaline Picrate	No Reference Range Available	M - SU	4 HR
Cryofibrinogen	CRYOG	82585	Immunology	Container 2 Red Top and 2 Sodium Citrate (Blue) tubes Preferred 2 ml Serum and 2 ml Plasma Minimum 1 ml Serum and 1 ml Plasma Process Specimen must be at 37°C from draw to lab. Then centrifuge and remove from cells. Storage Refrigerate once removed from cells Transport Refrigerate once removed from cells **NOTE** Sample must remain at 37C until clotted. Once clotted, centrifuge and remove serum and plasma from cells	Precipitation	Not present	M-Su	1-3 days
Cryoglobulins	CRYO	82595	Immunology	Container 2 Red Top tubes Preferred 2 ml Serum Minimum 1 ml Serum Process Specimen must be at 37°C from draw to lab. Centrifuge and remove from cells Storage Refrigerate once removed from cells Transport Refrigerate once removed from cells **NOTE** Sample must remain at 37C until clotted. Once clotted, centrifuge and remove serum from cells.	Precipitation	Negative	M-Su	3-4 days
Cryptococcal Ag - CSF	CACSF	86403 CRITIT 86406	Immunology	Container CSF tubes Preferred 1 ml CSF Minimum 0.5 ml CSF Storage Refrigerate (2-8°C) Transport Refrigerate	Lateral Flow Assay	Negative	M-Su	1 day
Cryptococcal Ag - Serum	CRYPT	86403 CRITIT 86406	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	Lateral Flow Assay	Negative	M - SU	1 day
Cryptococcus Ab	CRPAB	86403	Reference Lab	Container: SST tube Preferred: 1 ml serum Process: Spin and separate Transport: Send serum refrigerated		Call Ref Lab		5 days
CSF Culture	CSFCU	87070	Microbiology	Clean the puncture site with antiseptic solution and alcohol before needle insertion to prevent the introduction of infection. Specimen should be divided into 3 sterile leak proof tubes. Tube 1 should be used for chemistry and immunological studies; tube 2 for microbiology studies; and tube 3 for cell counts. Cerebrospinal fluid may be collected by lumbar puncture, C1 sternal puncture, lateral cervical puncture or ventricular cannulas (or shunt). Transport to the Microbiology lab as soon as possible. Physicians will be notified of positive cultures.	Bacterial culture	No organisms isolated. Positives reported when detected	M - SU	48 HR
CU Index	CUIND	86352 86376 86800 84443	Reference Lab	Container SST tube Preferred 2 mls serum Process Allow to clot completely prior to centrifugation. Spin and separate within 2 hrs Trnsport Send serum frozen **NOTE** Pts taking calcineurin inhibitors should stop 72 hrs prior to draw. Pts taking prednisone should stop 2 weeks prior to draw	Quant Enzyme Immunoassay	Call Ref Lab		5 days
Cucumber IgE	CUKE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cultivated Oat IgE	CULO	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cultivated Wheat IgE	CULW	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Curry IgE	CURRY	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Curvularia Lumate IgE	CURVL	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cutaneous Immunofluorescence Abs IgG	CUTIM	88246 88350	Reference Lab	Container 1 SST tube Preferred 2 mls serum Minimum 0.5 mls serum Process Spin and separate. Forward promptly. Transport Send refrigerated	Indirect Immunofluorescence	Call Ref Lab		7 days
Cyclic Citrinulated Peptide IgG Antibody	CCPG	86200	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	ELISA	< 20 Units	Batched at least 2x weekly	1-3 days
Cyclosporine	CYCLO 73570	80158	Chemistry	Container: 1 EDTA (Lavender top) tube Preferred: 2 mL EDTA whole blood Minimum: 1 mL EDTA whole blood Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Refrigerate (2-8°C) up to 7 days	Chemiluminescent Microparticle Immunoassay (CMIA)	160 - 480 ng/ml	M - SU	8 HR
Cyclosporine - 2 Hr Post Dose	CYCL2	80158	Chemistry	Container: 1 EDTA (Lavender top) tube Preferred: 2 mL EDTA whole blood Minimum: 1 mL EDTA whole blood Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Refrigerate (2-8°C) up to 7 days	Chemiluminescent Microparticle Immunoassay (CMIA)	See Report	M - SU	8 HR
CYP2C19 Genotyping	P2C19	81225 G0452	Molecular	Specimen 5 mis EDTA whole blood Container EDTA (lavendar) tube Minimum 1 ml Storage 2-8°C (Refrigerated) Transport Refrigerated	Multiplex PCR and ASPE	Normal (Wildtype)	Batched M - F	7 Days
CYP2D6 Genotyping	P2D6	81226 G0452	Molecular	Specimen 5 mis EDTA whole blood Container EDTA (lavendar) tube Minimum 1 ml Storage 2-8°C (Refrigerated) Transport Refrigerated	Multiplex PCR and ASPE	Normal (Wildtype)	Batched M - F	7 Days
Cypress, Bald IgE	BCYPR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Cystatin C	CYSTN	82610	Reference Lab	Container SST tube Preferred 1 ml serum Process Allow specimen to clot completely at room temperature. Spin and separate within 2 hrs. Transport Send serum refrigerated **NOTE** No gross hemolysis	Qnt Nephelometry	Call Ref Lab		3 days
Cystic Fibrosis	CFTR	81220 G0452	Molecular	3 mls of EDTA blood (purple top) 1 ml minimum requirement Specimens collected from buccal brushes Store at 2-8°C (refrigerate) Must be accompanied by consent and genetic counseling form.	Multiplex PCR	Negative	Batched M - F	7 days 24 hours STAT for STAT is required
Cysticercosis Ab IgG	CYS.G	86682	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml serum Process Spin and separate Transport Send refrigerated	Enzyme-Linked Immunosorbent Assay	Call Ref Lab		7 days
Cystine Qnt Urine	CYSTQ	82136	Reference Lab	Container 24 hr urine container with 20 mls toluene preservative at start of collection Preferred 5 mls urine Minimum 1 ml urine Process Aliquot into plastic urine container Transport Send frozen. **NOTE** Collect before intravenous pyelogram.	Ion-Exchange Chromatography	Call Ref Lab		4 days
Cytomegalovirus (Blood)	CMVB	87496	Molecular	3 mls of EDTA blood (purple top) 1 ml minimum requirement *Store at 2-8°C (Refrigerate)	Real Time PCR	Negative	Batched M - F	3 days, 24 hours TAT for STAT is required
Cytomegalovirus (Urine)	CMVU	87496	Molecular	1 ml minimum requirement Freeze at -20°C	Real Time PCR	Negative	Batched M - F	3 days, 24 hours TAT for STAT is required
Cytomegalovirus (CMV) (Other)	CMVO	87496 x 1	Molecular	Swab in M4 Viral Transport Media Stool in sterile container or in M4 Viral Transport Media Bronch Lavage/Bronch Wash *Store at 2-8°C (Refrigerate)	Real Time PCR	Negative	Batched M - F	3 days, 24 hours TAT for STAT is required

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Cytoplasmic Neutrophil (ANCA)	ANCA	86255 ANCTI 86256	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Includes C-ANCA and P-ANCA	IFA	Negative	M-F	1-3 days
Cytoplasmic Neutrophil (ANCA) with Reflex to MPO and PR3 if Positive	ANCAR	86255 ANCTI 86256 MPO/PR3 83516 x2	Immunology	Container 1 SST tube or 1 heparin Preferred 1 mL Serum Minimum 0.5 mL Serum Process Centrifuge Storage Refrigerate Transport Refrigerate **NOTE** If possible, will reflex MPO and PR3	IFA and Multiplex Immunoassay	Negative	M - F	1-3 days
Dandelion IgE	DANDY	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Date IgE	DATEE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
D-Dimer	DDISC 65018	85378	Coagulation	Container 1 - sodium citrate (blue top) tube; fill tube to FILL LINE MARK. Preferred 2 mL plasma Minimum 0.5 mL plasma Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes Storage Freeze plasma Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.	Immunoturbidimetric w/ Photometric Detector	< 0.5 mg/ml	M - SU	2 HR
Deer Epithelium IgE	DEER	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Dementia Autoimmune Eval Serum	DEMES	83519 x 5 86256 x 8 86255 x 3 86341	Reference Lab	Container SST Tube Preferred 4 mls serum Process Spin and separate Transport Send serum refrigerated	IFA, RIA	Call Ref Lab		10 days
Dementia Autoimmune Eval CSF	DEMEC	83519 86256 x 8 86255 x 3 86341	Reference Lab	Container Sterile container Preferred 4 mls CSF Transport Send CSF refrigerated	IFA, RIA	Call Ref Lab		10 days
Dengue Fever Virus Abs	DENF	86790 x2	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin and separate within 2 hours Transport Send serum refrigerated	Semi-Qnt ELISA	Call Ref Lab		6 days
Dermatophagoides Microceras IgE	DMIC	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Dermatophyte Culture	DERM	87101	Microbiology	Hair With forceps, collect at least 3-5 affected hairs with the shaft bases intact. Select the hairs that fluoresce under a Wood's Lamp. Collect scalp scales (if present) along with scrapings of active borders of lesions. Skin Clean affected area with 70% alcohol on gauze (not cotton). Gently scrape surface of skin at active margin of lesion. Do not draw blood. Collect enough scrapings to cover the head of a thumbtack. Nails Remove nail polish if present. Wipe nail with 70% alcohol on gauze (not cotton). Clip away generous portion of the affected area & collect material or debris from under the nail. Transport to the microbiology lab promptly in a sterile container. If immediate transport is impossible, store at room temperature. Keep specimen dry.	Fungal culture	No fungus isolated. Positives reported when detected	M - SU	2 WK
Desipramine	DESPR	80335	Reference Lab	Container Plain red top Preferred 1 mls serum Process Spin and separate within 2 hrs. Transport Send serum refrigerated **NOTE** Draw immediately before next dose (minimum of 12 hrs after last dose)	LC/MS/MS	Call Ref Lab		5 days
Desmoglein 1 and 3	DESMG	83516 X 2	Reference Lab	Container: SST tube Preferred: 1 ml serum Minimum: .5 ml serum Process: Spin and separate Transport: Send serum refrigerated	ELISA	Call Ref Lab		10 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Dexamethasone	LC541	80375	Reference Lab	Container: 1 SST tube Preferred: 3 ml serum Minimum: 1 ml serum Process: Spin and separate within 1 hour Transport: Send frozen **NOTE** Separate specimens must be sent for multiple tests	RIA	Call Ref Lab		5 days
DHEA - Sulfate	DHEA. 73610	82627	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum Only Refrigerate (2-8°C) up to 8 days Freeze (-20°C) up to 2 months	Chemiluminescent Microparticle Immunoassay (CMIA)	See Report	M - Su	4 HR
DHEA Serum	DHEAM	82626	Reference Lab	Container: 1 SST tube Preferred: 1 ml serum Minimum: 0.35 mls serum Process: Spin and separate within 2 hrs Transport: Send refrigerated **NOTE** Collect between 6-10 am	LC-MS/MS	Call Ref Lab		5 days
Dibucaine	DIBUC	82480 82638	Reference Lab	Container: 1 SST tube Preferred: 1 ml serum Minimum: 0.25 ml serum Process: Allow specimen to clot completely at room temp. Spin and separate within 2 hrs Transport: Send refrigerated **NOTE** Specimen must be drawn prior to surgery or more than days following surgery. Do not draw in recovery room.	Qnt Enzymatic	Call Ref Lab		6 days
DIC Screen	DIC	85610 85730 85384 85362 85379 85366 85670	Coagulation	Container: 2-sodium citrate (blue top) tubes; fill tube to FILL LINE mark 1-EDTA (lavender top) tube; tube must be more than 1/2 full for accurate results Preferred: blue top - 2-3 mL plasma lavender top - 2/3 mL whole blood Minimum: blue top - 1 mL plasma or 1.2 mL blue top tube lavender top - micro-container; 0.5 mL whole blood Process: blue top - centrifuge specimen ASAP, remove plasma and freeze in plastic tubes for transport lavender top - none Storage: blue top - freeze plasma lavender top - room temperature if testing is to be performed within 4 hours, otherwise refrigerate Transport: blue top - frozen plasma lavender top - keep cool	See Individual Assays	See individual test	M - SU	2 HR
Digoxin	DIG	80162	Chemistry	Container: 1 Lithium heparin (green top) tube Preferred: 2 mL Lithium heparin Minimum: 1 mL Lithium heparin Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate (2-8°C) **NOTE** Serum acceptable Refrigerate (2-8 °C) up to 48 hours Freeze (-20 °C) up to 7 days	Particle-Enhanced turbidimetric inhibition immunoassay (PETINIA)	08 - 2.0 ng/mL	M - S	4 HR
Dihydrotestosterone	DHT	80327	Reference Lab	Container: 1 SST tube Preferred: 1 ml serum Minimum: 0.6 ml serum Process: Spin and separate Transport: Send refrigerated	LC-MS/MS	Call Ref Lab		5 days
Dill IgE	DILL	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Diphtheria Ab IgG	DIPH	86317	Reference Lab	Container: SST tube Preferred: 1 ml serum Process: Spin and separate with 2 hrs Transport: Send serum refrigerated	Qnt Multiplex Bead Assay	Call Ref Lab		3 days
Direct Coombs (DAT)	DAT	86880	Transfusion Service Blood Bank	Container: 6ml EDTA pink top Minimum: 3ml EDTA purple top Storage: RT	Hemagglutination	NA		8 hours
Disaccharidases	DISAC	82103	Reference Lab	Container: Sterile container Preferred: Small bowel biopsy Minimum: Process: Transport: Send frozen		Call Ref Lab		5 days
D-Lactatae	DLAC	83605	Reference Lab	Container: 1 potassium oxalate/sodium fluoride grey top tube Preferred: 1 ml plasma Minimum: 0.55 ml plasma Process: Spin and separate immediately Transport: Send frozen	Enzymatic	Call Ref Lab		7 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
DNA CISH for HER 2/NEU amplification to aid in evaluation of treatment options in breast cancer patients.	G-HER2	88271 x2 88273 x1 88291 x1	Cytogenetics	2 slides with 4 micron section from block.	Sections are deparaffinized and hybridized with the HER2 (ERBB2) and a 17 centromere probes. The number of signals are scored for each probe.	No amplification of the ERBB2 gene	M - Su	2-3 days If faster turn around needed call lab at 254-724-3704
DNA FISH ALL panel to detect common abnormalities that occur in ALL for diagnosis and/or prognosis.	G-ALL PANEL	88271 x14 88275 x7 88291 x1	Cytogenetics	3-5 mLs of bone marrow drawn in a heparinized syringe and transferred to a sodium heparin (green top) tube for hematologic abnormalities. Room temp. A cell pellet from a recent cytogenetic study can be used, if available, for an add on request. If an add on test is desired, please call the lab (254-724-3704) to check for available pellet. A blood sample may be used for hematologic malignancies if it contains 10-20% blasts.	Specific DNA probes applied to cells on slides. Two hundred nuclei per probe are observed for signals.	No evidence of abnormality	M - Su	1-2 weeks If faster turn around needed call lab at 254-724-3704
DNA FISH AML/MDS panel to detect common abnormalities that occur in AML/MDS for diagnosis and/or prognosis.	G-AML/MDS PANEL	88271 x24 88275 x12 88291 x1	Cytogenetics	3-5 mLs of bone marrow drawn in a heparinized syringe and transferred to a sodium heparin (green top) tube for hematologic abnormalities. Room temp. A cell pellet from a recent cytogenetic study can be used, if available, for an add on request. If an add on test is desired, please call the lab to check for available pellet. A blood sample may be used for hematologic malignancies if it contains 10-20% blasts.	Specific DNA probes applied to cells on slides. Two hundred nuclei per probe are observed for signals.	No evidence of abnormality	M - Su	1-2 weeks If faster turn around needed call lab at 254-724-3704
DNA FISH amniotic fluid for chromosomes X and Y in cases with a suspected sex chromosome abnormality.	G-AF XY	88271 x2 88275 x2 88291 x1	Cytogenetics	No additional sample needed if ordered with DNA FISH for 13, 18, 21. If not, then 10-12 mLs of amniotic fluid. Room temp.	DNA probes for X and Y applied to cells on slide. One hundred nuclei are observed for signal.	No evidence of abnormality	M - Su	2-3 days If faster turn around needed call lab at 254-724-3704
DNA FISH CLL Panel to detect common abnormalities that occur in CLL for diagnosis and/or prognosis.	G-CLL PANEL	88271 x12 88275 x6 88291 x1	Cytogenetics	3-5 mLs blood drawn in a sodium heparin (green top) tube. Bone marrow is acceptable but not preferred. Room temp.	Specific DNA probes applied to cells on slide. Two hundred nuclei per probe are observed for signals.	No evidence of abnormality	M - Su	1-2 weeks If faster turn around needed call lab at 254-724-3704
DNA FISH for Follicular Lymphoma.	G-200 NUC	88271 x2 88275 x2 88291 x1	Cytogenetics	Fresh tissue in RPMI or sterile saline or 2 slides with 3 micron section from the block	DNA Fluorescence In Situ Hybridization (FISH)	Negative for translocation (14;18)	M - Su	1-2 weeks If faster turn around needed call lab at 254-724-3704
DNA FISH for Mantle Cell Lymphoma.	G-200 NUC	88271 x2 88275 x2 88291 x1	Cytogenetics	Fresh tissue in RPMI or sterile saline or 2 slides with 3 micron section from the block	DNA Fluorescence In Situ Hybridization (FISH)	Negative for translocation (11;14)	M - Su	1-2 weeks If faster turn around needed call lab at 254-724-3704
DNA FISH for translocations or deletions in congenital or hematologic malignancies.	G-200 NUC	88271 x2 88275 x2 88291 x1	Cytogenetics	3-5 mLs of blood in a sodium heparin (green top) tube for congenital abnormalities or 3-5 mLs of bone marrow drawn in a heparinized syringe and transferred to a Na Hep tube for hematologic abnormalities. Room temp. A cell pellet from a recent cytogenetic study can be used, if available, for an add on request. If an add on test is desired, please call the lab (254-724-3704) to check for available pellet. A blood sample may be used for hematologic malignancies if it contains 10-20% blasts.	Specific DNA probe applied to cells on slide. Two hundred nuclei are observed for signals.	No evidence of abnormality	M - Su	1-2 weeks If faster turn around needed call lab at 254-724-3704
DNA FISH for trisomy of chromosomes 13, 18 or 21 in AMA patients or patients with an abnormal ultrasound.	G-AF 13, 18, 21	88271 x3 88275 x2 88291 x1	Cytogenetics	10-12 mLs of amniotic fluid. Room temp.	DNA probes for 13,18,21 applied to cells on slide. One hundred nuclei are observed for signal.	No evidence of trisomy for 13,18,21	M - Su	2-3 days If faster turn around needed call lab at 254-724-3704
DNA FISH Lymphoma panel to detect common abnormalities that occur in lymphoma for diagnosis and/or prognosis.	G-LYMPHOMA	88271 12 88275 x6 88291 x1	Cytogenetics	3-5 mLs of bone marrow drawn in a heparinized syringe and transferred to a sodium heparin (green top) tube for hematologic abnormalities. Room temp. A cell pellet from a recent cytogenetic study can be used, if available, for an add on request. If an add on test is desired, please call the lab (254-724-3704) to check for available pellet. A blood sample may be used for hematologic malignancies if it contains 10-20% blasts.	Specific DNA probes applied to cells on slides. Two hundred nuclei per probe are observed for signals.	No evidence of abnormality	M - Su	1-2 weeks If faster turn around needed call lab at 254-724-3704
DNA FISH microdeletion probes for identification of microdeletion/duplication syndromes (i.e. DiGeorge, Williams, Smith Magenis, etc.).	G-MICRO DEL P	88271 x2 88273 x2 88291 x1	Cytogenetics	3-5 mLs of blood in sodium heparin (green top) tube. Room temp. A cell pellet from a recent routine cytogenetics study may be used if available. Please call the lab (254-724-3704) to check for available pellet.	DNA unique sequence probes specific for the microdeletion suspected applied to cells on slide. Ten metaphases and 50 nuclei examined for abnormality	No evidence of abnormality	M - Su	1-2 weeks If faster turn around needed call lab at 254-724-3704
DNA FISH Multiple Myeloma panel to detect common abnormalities that occur in multiple myeloma for diagnosis and/or prognosis.	G-MM	88271 x12 88275 x6 88291 x1 88112 x1	Cytogenetics	3-5 mLs of bone marrow drawn in a heparinized syringe and transferred to a sodium heparin (green top) tube for hematologic abnormalities. Room temp. A cell pellet from a recent cytogenetic study can be used, if available, for an add on request. If an add on test is desired, please call the lab (254-724-3704) to check for available pellet. A blood sample may be used for hematologic malignancies if it contains 10-20% blasts.	Specific DNA probes applied to cells on slides. Two hundred nuclei per probe are observed for signals.	No evidence of abnormality	M - Su	1-2 weeks If faster turn around needed call lab at 254-724-3704
DNA FISH Prader Willi/Angelman evaluates the common deletions and duplications that may occur in PW/AS.	G-PW	88271 x2 88273 x1 88291 x1	Cytogenetics	3-5 mLs of blood in sodium heparin (green top) tube. Room temp. A cell pellet from a recent routine cytogenetics study may be used if available. Please call the lab (254-724-3704) to check for available pellet.	DNA unique sequence probes specific for the microdeletion observed in Prader-Willi/Angelman syndrome are applied to cells on slide. Ten metaphases and 50 nuclei are examined.	No evidence of abnormality	M - Su	1-2 weeks If faster turn around needed call lab at 254-724-3704
DNA FISH telomere screen for identification of cryptic abnormalities of subtelomeric regions.	G-TELO	88271 x43 88272 x23 88291 x1	Cytogenetics	3-5 mLs of blood in sodium heparin (green top) tube. Room temp. A cell pellet from a recent routine cytogenetics study may be used if available. Please call the lab (254-724-3704) to check for available pellet.	Subtelomeric probes applied to cells on slide, hybridized and metaphases analyzed.	No evidence of abnormality	M - Su	1-2 weeks If faster turn around needed call lab at 254-724-3704
DNA FISH UroVysion for bladder cancer (aneusomy of 3, 7, 17 and deletion of 9p) for diagnosis or monitoring recurrence of bladder cancer.	G-URO	88271 x4 88120 x1 88291 x1	Cytogenetics	10-20 mLs urine in a container with 5 mLs of Carbowax. Room temp. Containers with Carbowax are available from the Cytogenetics lab. Call 254-724-3704 to request containers.	Cells are placed on a slide with probes for 3,7,9 and 17, around for gains or losses of signals and classified as normal or abnormal according to instructions included in the FDA approved kit.	Normal signal pattern for 3, 7, 17, 9p	M - Su	1-2 weeks If faster turn around needed call lab at 254-724-3704
D-nase B Ab	D.NAS	86215	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml serum Process Spin and separate within 2 hrs Transport Send refrigerated	Nephelometry	Call Ref Lab		5 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Dog Epithelium IgE	DOGD	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Donor Blood HLA Crossmatch	TXDON		HLA	40-60 mL of anticoagulated blood, ACD-A (yellow top) tubes. Do not refrigerate. Do not spin. Keep at room temperature. Recipient must be identified on order to correctly charge testing.	Flow Cytometry or Microcytotoxicity	See report	M-F by noon	5 days for screen 5 days for final
Doxepin	DOXEP	80335	Reference Lab	Container 1 plain red top tube Preferred 1 mls serum Minimum 0.5 mls serum Process Spin and separate within 2 hrs Transport Send refrigerated **NOTE** Pre-dose (trough) draw. No SST tubes	Qnt Liquid Chromatography_Tandem Mass Spec	Call Ref Lab		6 days
Drug Screen Meconium	DRGM	80307	Reference Lab	Container Sterile container Preferred All meconium available-4g preferred Transport Send refrigerated	ELISA/GCMS	Call Ref Lab		5 days
Drug Screen Serum	SDRG	80307	Reference Lab	Container: Plain red top tube Preferred: 10 mls serum Process: Spin and separate Transport: Send serum room temp **NOTE** No SST tubes	GC/MS	Call Ref Lab		10 days
Drug Screen -Urine (Basic Medical) Includes: Amphetamine, Barbiturate, Benzodiazepine, Cocaine, Opiate, Phencyclidine, T-H-Cannabinol, Ecstasy	DRUGS 14993	80307	Chemistry	Container: Random Urine Container Preferred: 20 mL of urine Minimum: 10 mL of urine Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Preservative - None Refrigerate (2-8°C) up to 5 days Freeze(-20°C) if not done within 5 days	Enzyme Immunoassay	Negative	M - Su	4 HR
Duck Feathers IgE	DUCK	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Ear Culture	EAR	87070	Microbiology	Collect an aspirate from the tympanum (ear drum). After the ear drum has ruptured, an Eswab collection device should be used to collect the fluid. Transport specimen to the Microbiology lab immediately. If immediate transport is not possible, store at room temperature. Do not refrigerate the specimen.	Bacterial culture	No organisms isolated. Positive reported when detected	M - SU	48 HR
Eatarn Sycamore IgE	SYCAM	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
EBV - Early Antigen Antibody	EBVE1	86663	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	Multiplex Immunoassay	Negative	M-F	1 day
EBV - Nuclear Antigen Antibody	EBNA1	86664	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	Multiplex Immunoassay	Negative	M-F	1 day
EBV-Profile	EBVP1	86663 86664 86665 x2	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Includes EBVM1, EBVG1, EBVE1 and EBNA1	Multiplex Immunoassay	Negative	M-F	1 day
EBV-Viral Capsid IgG Antibody	EBVG1	86665	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	Multiplex Immunoassay	Negative	M-F	1 day

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
EBV-Viral Capsid IgM Antibody	EBVM1	86665	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	Multiplex Immunoassay	Negative	M-F	1 day
Echinococcus IgG Ab	ECHG	86682	Reference Lab	Container: SST tube Preferred: 1 ml serum Process: Spin and separate within 2 hrs Transport: Send serum refrigerated	Semi-Quant Enzyme-Linked Immunosorbent Assay	Call Ref Lab		5 days
Ecstasy	EXTC	80359	Chemistry	Container Random Urine Container Preferred 20 mL of urine Minimum 10 mL of urine Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Preservative - None Refrigerate (2-8°C) up to 5 days Freeze (-20°C) if not done within 5 days	Enzyme Immunoassay	Negative	M - Su	4 HR
Ecstasy by LC/MS (U)	MDADC	G0480	Chemistry	Container Random Urine Container Preferred 3 mL of urine Minimum 3 mL of urine Transport Send refrigerate Storage Room temperature up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-15°C to -30°C) 30 days	Liquid Chromatography Tandem Mass Spectrometry	See Report	- F	3 days
EGFR Mutation Detection		81235 G0452	Molecular	Specimen: Formalin-fixed paraffin embedded tissue block Container: Sterile container Minimum: Need adequate tumor specimen in block Storage: Room temperature Transport: Ambient	Pyrosequencing	Negative	Batched M - F	7 days
Egg White IgE	EGGWH	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Egg Yolk IgE	EGGY	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Egg, Whole IgE	EGG	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Eggplant IgE	EGGPL	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Ehrlichia Abs	E.CHA	86666 X 2	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml serum Process Spin and separate ASAP Transport Send refrigerated	IFA	Call Ref Lab		7 days
Elder IgE	ELDER	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Electrolyte Group Includes: Sodium, Potassium, Chloride, CO2	EGR 10210	80051	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 1 day Refrigerate (2-8°C) up to 7 days Freeze (-20°C) if not done within 7 days	Cl, K, Na Ion-selective electrode CO2 PEP Carboxylase	See Report	M - SU	4 HR
Electrolytes Fecal	EG.FE	84999 84302 82438	Reference Lab	Container Sterile container Preferred 5 g liquid stool Minimum 1 g liquid stool Transport Send refrigerated **NOTE** Stool must be liquid. Do not add saline or water	Ion-Selective Electrode	Call Ref Lab		2 days
Electron Microscopy			Electron Microscopy	Fixative: Glutaraldehyde Media and instructions available @ 254-724-3697	-	-	M - F	Varies

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Elm IgE	ELM	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
ENA Antibodies	ENAB	86235 x2	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Includes Sm and RNP	Multiplex Immunoassay	Negative	M-F	1 day
Encephalopathy Autoimmune Eval CSF	ENCEC	83519 86256 x 9 86255 x 3 86341	Reference Lab	Container Sterile container Preferred 4 mls CSF Transport Send CSF refrigerated	IFA, RIA	Call Ref Lab		10 days
Encephalopathy Autoimmune Eval Serum	ENCES	83519 x 5 86256 x 9 86255 x 3 86341	Reference Lab	Container SST tube Preferred 4 mls serum Process Spin and separate Transport Send serum refrigerated	IFA, RIA	Call Ref Lab		10 days
Endocrine Auto Abs	ENAAB	88347	Reference Lab	Container 1 SST tube Preferred 2 mls serum Process Spin and separate Transport Send serum frozen		Call Ref Lab		10 days
Endomyrial IgA Antibodies	EMAAB	86255	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	IFA	Negative	M - F	1-3 days
English Plantain IgE	ENGPT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Entamoeba Histolytica	E.HIS	86753	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml serum Process Spin and separate within 2 hrs Transport Send refrigerated	ELISA	Call Ref Lab		7 days
Enterovirus Ab Panel	ENTPN	86658 x 14	Reference Lab	Container SST tube Preferred 2 mls erum Process Spin and separate within 2 hours Transport Send refrigerated	Serum Neutralization / Complement Fixation	Call Ref Lab		10 days
Enterovirus PCR (CSF)	EVCSF	87498 x 1	Molecular	1 ml CSF 0.5 ml minimum requirement * Freeze specimen within 6 hours at -20°C; however, if blood is present refrigerate at 2-8°C	Real Time PCR	Negative	As needed	24 hours
Enterovirus PCR (Other)	EVPCR	87498 x 1	Molecular	Specimen Stool or rectal swab Container Sterile container, Copan Swab Storage Refrigerate Transport Keep cool	Real Time PCR	Negative	Batched M - F	3 days, 24 hours TAT for STAT
Eosinophil Smear	EOSSM	89190	Microbiology	Eosinophil smear may be performed on nasal mucous, stool or urine. Collect specimen in a sterile container and transport specimen to the lab immediately or refrigerate.	Hansel Stain	No eosinophils seen Positives reported when detected	M - SU	8 HR
Epicoccum Purpurascens IgE	ERURP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Epilepsy Autoimmune Eval CSF	EPIEC	83519 86256 x 8 86255 x 3 86341	Reference Lab	Container Sterile container Preferred 4 mls CSF Transport Send CSF refrigerated	IFA/RIA	Call Ref Lab		10 days
Epilepsy Autoimmune Eval Serum	EPIES	83519 x 5 86256 x 8 86255 x 3 86341	Reference Lab	Container SST tube Preferred 4 mls serum Process Spin and separate Transport Send serum refrigerated	IFA, RIA	Call Ref Lab		10 days
Epithelia Panel #1 IgE Cat Epith, Cow Epith, Dog Dander, Horse Epith	SKIN1	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Epstein Barr Virus (EBV) PCR (Blood)	EBVB	83891 x 1 87798 x 1	Molecular	3 mls of EDTA blood (purple-top) 1 ml minimum requirement *Store at 2-8° C (Refrigerate)	Real Time PCR	Negative	Batched M - F	3 days, 24 hours TAT for STAT is required
Epstein Barr Virus (EBV) PCR (CSF)	EBVP	83891 x 1 87798 x 1	Molecular	1 ml CSF 0.5 ml minimum requirement *Freeze specimen within 6 hours at -20°C; however, if blood is present refrigerate at 2-8°C	Real Time PCR	Negative	Batched M - F	24 hours TAT for STAT is required

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Erythropoietin	EPOL	82668	Reference Lab	Container SST tube Preferred 1 ml serum Process Allow serum to clot completely at room temp. Spin and separate within 2 hrs Transport Send serum refrigerated	Qnt Chemiluminescent Immunoassay	Call Ref Lab		3 days
Estradiol	ESTR	82670	Chemistry	Container 1 SST tube Preferred 2 mL serum Minimum 1 mL serum Process Spin and separate Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Lithium Heparin Acceptable Refrigerate (2-8°C) up to 7 days Freeze (-20°C) if not done within 7 days If testing will be delayed more than 24 hours, remove serum or plasma from the clot, separator or red blood cells and store at 2-8°C	Chemiluminescent Microparticles Immunoassay (CMIA)	See Report	M - SU	4 HR
Estrogens (E1 + E2) Fractionated	ESTRG	82670 82679	Reference Lab	Container Plain red top Preferred 1.2 mls serum Process Spin and separate within 2 hrs of draw Transport Send refrigerated **NOTE** No SST tubes	LC-MS/MS	Call Ref Lab		4 days
Estrone	ETRN	82679	Reference Lab	Container Plain red top tube Preferred 1.2 mls serum Process Spin and separate within 24 hrs of draw Transport Send refrigerated **NOTE** No SST tubes	LC-MS/MS	Call Ref Lab		4 days
Ethanol, Urine, Qualitative, Medical	ETOHU	80307	Reference Lab	Container Random urine container Preferred 10 mls fresh random urine Process Mix specimen well Transport Send urine refrigerated	Qnt Enzymatic	Call Ref Lab		7 days
Ethylene Glycol	ETHGL	82693	Reference Lab	Container Plain red top tube Preferred 1 mls serum Process Spin and separate within 2 hrs Transport Send refrigerated **NOTE** No SST tubes	Qnt Enzymatic	Call Ref Lab		5 days
Ethylene Oxide IgE	ETHOX	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Eucalyptus (Gum Tree) IgE	EUCAL	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Euroglyphus Maynei IgE	EMAY	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
European Hornet Venom IgE	EHORN	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Everolimus	EVERO	80169	Reference Lab	Container: EDTA lavender top Preferred: 1 ml whole blood Process: Do not spin Transport: Send whole blood refrigerated **NOTE** Pre-dose (trough) levels should be drawn	Quant-LC-TMS	Call Ref Lab		3 days
Expanded Carrier Screen Panel (40 Genes) for Common Autosomal Recessive Disorders	EXCSP			Container Lavender top tube Preferred 4 mls whole blood Process Do not spin Transport Send whole blood room temp overnight If over 48 hrs, send refrigerated		Call Ref Lab		
Eye Culture	EYECU	87070	Microbiology	Specimens normally direct plated by ophthalmologists. Specify right or left eye. Swab specimens on neonates should be sent to the laboratory as soon as possible.	Bacterial culture	No organisms isolated. Positives reported when detected	M - SU	72 HR

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Factor II, Activity	FII	85210	Reference Lab	<p>Container 1 sodium citrate (light blue top) tube; fill between min and max fill line.</p> <p>Preferred 2 mL platelet poor plasma</p> <p>Minimum 1.0 mL platelet poor plasma</p> <p>Process Centrifuge specimen ASAP, remove plasma, re-centrifuge plasma, transfer aliquot to plastic tube (screw top aliquot tube preferred). Refer to platelet poor plasma instructions. Separate aliquot tubes for coagulation orders. No sharing of aliquots.</p> <p>Storage Freeze plasma (Do not use a frost free freezer!)</p> <p>Transport: Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping.</p> <p>**NOTE** DO NOT thaw sample after freezing. Label aliquot tube "plasma" or "frozen plasma"</p>	Clot Detection	Call Ref Lab, Age Dependent		4 days
Factor II/Allele 20210A (PCR)	FIIM	81240 G0452	Molecular	<p>3 mls of EDTA blood (purple top)</p> <p>1 ml minimum requirement</p> <p>Store at 2-8° C (Refrigerate)</p>	Real Time PCR	Normal Wild Type	Batched M - F	7 days
Factor IX	FIX	85250	Coagulation	<p>Container 1 sodium citrate (blue top) tube; fill tube to FILL LINE MARK.</p> <p>Preferred 2 mL plasma</p> <p>Minimum 0.5 mL plasma</p> <p>Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes</p> <p>Storage Freeze plasma</p> <p>Transport: Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.</p>	Electro-Mechanical Clot Detection	50 - 150 %	M - F (batch)	2 HR
Factor IX Inhibitor Assay	F9INH	85335	Coagulation	<p>Container 2- sodium citrate (blue top) tube; fill tube to FILL LINE MARK.</p> <p>Preferred 4 mL plasma</p> <p>Minimum 1 mL plasma</p> <p>Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes</p> <p>Storage Freeze plasma</p> <p>Transport: Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.</p>	Electro-Mechanical Clot Detection	0 Bethesda units	M - F (batch)	4 HR
Factor V, Activity	FV	85220	Reference Lab	<p>Container 1 sodium citrate (light blue top) tube; fill between min and max fill line.</p> <p>Preferred 2 mL platelet poor plasma</p> <p>Minimum 1.0 mL platelet poor plasma</p> <p>Process Centrifuge specimen ASAP, remove plasma, re-centrifuge plasma transfer aliquot to plastic tube (screw top aliquot tube preferred). Refer to platelet poor plasma instructions. Separate aliquot aliquot tubes for coagulation orders. No sharing of aliquots.</p> <p>Storage Freeze plasma (Do not use a frost free freezer!)</p> <p>Transport: Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping.</p> <p>**NOTE** DO NOT thaw sample after freezing. Label aliquot tube "plasma" or "frozen plasma"</p>	Clot Detection	Call Ref Lab Age Dependent		4 days
Factor V/Leiden Mutation (PCR)	FVM	81241 G0452	Molecular	<p>3 mls of EDTA blood (purple top)</p> <p>1 ml minimum requirement</p> <p>Store at 2-8° C (Refrigerate)</p>	Real Time PCR	Normal Wild Type	Batched M - F	7 days
Factor VII	FVII	85230	Reference Lab	<p>Container 1 sodium citrate (light blue top) tube; fill between min and max fill line.</p> <p>Preferred 2 mL platelet poor plasma</p> <p>Minimum 1.0 mL platelet poor plasma</p> <p>Process Centrifuge specimen ASAP; remove plasma, re-centrifuge plasma, transfuse aliquot to plastic tube (screw top aliquot tube preferred). Refer to platelet poor plasma instructions. Separate aliquot aliquot tubes for coagulation orders. No sharing of aliquots.</p> <p>Storage Freeze plasma (Do not use a frost free freezer!)</p> <p>Transport: Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping.</p> <p>**NOTE** DO NOT thaw sample after freezing. Label aliquot tube "plasma" or "frozen plasma"</p>	Clot Detection	Call Ref lab Age Dependent		4 days
Factor VIII	FVIII	85240 x2	Coagulation	<p>Container 1 - sodium citrate (blue top) tube; fill tube to FILL LINE MARK.</p> <p>Preferred 2 mL plasma</p> <p>Minimum 0.5 mL plasma</p> <p>Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes</p> <p>Storage Freeze plasma</p> <p>Transport: Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.</p>	Electro-Mechanical Clot Detection	50 - 150%	M - F (batch)	2 HR
Factor VIII Inhibitor Assay	F8INH	83903 x 2	Coagulation	<p>Container 2 - sodium citrate (blue top) tube; fill tube to FILL LINE MARK.</p> <p>Preferred 4 mL plasma</p> <p>Minimum 1.0 mL plasma</p> <p>Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes</p> <p>Storage Freeze plasma</p> <p>Transport: Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.</p>	Electro-Mechanical Clot Detection	0 Bethesda units	M - F (batch)	4 HR

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Factor X, Activity	FX	85260	Reference Lab	Container 1 sodium citrate (light blue top) tube; fill between min and max fill line. Preferred 2 mL platelet poor plasma Minimum 1.0 mL platelet poor plasma Process Centrifuge specimen ASAP; remove plasma, re-centrifuge plasma, transfuse aliquot to plastic tube (screw top aliquot tube preferred). Refer to platelet poor plasma instructions. Separate aliquot aliquot tubes for coagulation orders. No sharing of aliquots. Storage Freeze plasma (Do not use a frost free freezer!) Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. **NOTE** DO NOT thaw sample after freezing. Label aliquot tube "plasma" or "frozen plasma"	Clot Detection	Call Ref lab Age Dependent		4 days
Factor XI, Activity	FXI	85270	Reference Lab	Container 1 sodium citrate (light blue top) tube; fill between min and max fill line. Preferred 2 mL platelet poor plasma Minimum 1.0 mL platelet poor plasma Process Centrifuge specimen ASAP; remove plasma, re-centrifuge plasma, transfuse aliquot to plastic tube (screw top aliquot tube preferred). Refer to platelet poor plasma instructions. Separate aliquot aliquot tubes for coagulation orders. No sharing of aliquots. Storage Freeze plasma (Do not use a frost free freezer!) Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. **NOTE** DO NOT thaw sample after freezing. Label aliquot tube "plasma" or "frozen plasma"	Clot Detection	Call Ref lab Age Dependent		4 days
Factor XII, Activity	FXII	85280	Reference Lab	Container 1 sodium citrate (light blue top) tube; fill between min and max fill line. Preferred 2 mL platelet poor plasma Minimum 1.0 mL platelet poor plasma Process Centrifuge specimen ASAP; remove plasma, re-centrifuge plasma, transfuse aliquot to plastic tube (screw top aliquot tube preferred). Refer to platelet poor plasma instructions. Separate aliquot aliquot tubes for coagulation orders. No sharing of aliquots. Storage Freeze plasma (Do not use a frost free freezer!) Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. **NOTE** DO NOT thaw sample after freezing. Label aliquot tube "plasma" or "frozen plasma"	Clot Detection	Call Ref lab Age Dependent		4 days
Factor XIII Screen	FL3C	85291	Coagulation	Container 1 - sodium citrate (blue top) tube; fill tube to FILL LINE MARK. Preferred 2 mL plasma Minimum 0.5 mL plasma Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes Storage Freeze plasma Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.	5M urea	Clots remain undissolved	M - F (batch)	24 HR
Fat, Fecal Qnt, 24 Hr	FF24		Reference Lab	Container Times stool collection kit Preferred Entire collection - Min 4 grams Process Refrigerate during collection Transport Send frozen **NOTE** Special diet required 3 days prior to collection	Nuclear Magnetic Resonance Spectroscopy	Call Ref Lab		4 days
Fat, Fecal Qnt, 48 Hr	FF48		Reference Lab	Container Times stool collection kit Preferred Entire collection - Min 4 grams Process Refrigerate during collection Transport Send frozen **NOTE** Special diet required 3 days prior to collection	Nuclear Magnetic Resonance Spectroscopy	Call Ref Lab		4 days
Fat, Fecal Qnt, 72 Hr	FF72		Reference Lab	Container Times stool collection kit Preferred Entire collection - Min 4 grams Process Refrigerate during collection Transport Send frozen **NOTE** Special diet required 3 days prior to collection	Nuclear Magnetic Resonance Spectroscopy	Call Ref Lab		4 days
Feather Panel #2 IgE Chicken, Duck, Goose and Turkey Feathers	FEAT2	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Fecal Fat, Qualitative	FAT	89125	Microbiology	Collect a small amount of stool in a leak-proof container without preservative. Transport to the lab as soon as possible.	Qualitative assay	No neutral fats or fat crystals seen Positives reported when detected	M - SU	24 HR
Fecal Lactoferrin	FLACK	83630	Microbiology	Submit a small amount of fresh feces in a leak proof container. Specimen should be sent immediately to the Microbiology Lab. Specimen can be held at room temperature for 1 hour or up to 24 hours at 4° C.	Enzyme Immunoassay(EIA)	Negative	M - SU	2 HR

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Felbamate	FELBA	80299	Reference Lab	Container Plain red top tube Preferred 1 ml serum Process Spin and separate Transport Send serum refrigerated **NOTE** Pre-dose (trough) draw. No SST tubes	HPLC	Call Ref Lab		4 days
Fennel Seed IgE	FENLS	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Fennel, Fresh (Greek) IgE	FENNL	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Ferret Epithelium IgE	FERRT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Ferritin	FER 68140	82728	Chemistry	Container 1 SST tube Preferred 2 mL serum Minimum 1 mL serum Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Lithium Heparin Acceptable If testing will be delayed more than 24 hours, remove serum or plasma from the clot, separator or red blood cells. Refrigerate (2-8°C) up to 7 days For longer storage, freeze (-10°C) up to 12 months	Chemiluminescent Microparticle Immunoassay (CMIA)	Males: 26 - 388 ng/ml Females: 8 - 252 ng/mL	M-Su	4 HR
Fetal Bleed Screen	FBS	85461	Transfusion Service Blood Bank	Container 6ml EDTA pink top Minimum 3ml EDTA purple top Storage RT	Hemagglutination	NA		8 hours
Fibrin Monomer	FMSC 65009	85366	Coagulation	Container 1 sodium citrate (blue top) tube; fill tube to FILL LINE MARK. Preferred 2 mL plasma Minimum 0.5 mL plasma Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes Storage Freeze plasma Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.	Latex Agglutination w/Mouse Anti-Human Monoclonal Antibody: Macroscopic	Negative	M - SU	2 HR
Fibrin Split Products	FDPSC	85362	Coagulation	Container 1 sodium citrate (blue top) tube; fill tube to FILL LINE MARK. Preferred 2 mL plasma Minimum 0.5 mL plasma Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes Storage Freeze plasma Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.	Rapid latex agglutination	< 5 ug/ml	M - SU	1 HR
Fibrinogen	FIBSC 65003	85384	Coagulation	Container 1 sodium citrate (blue top) tube; fill tube to FILL LINE MARK. Preferred 2 mL plasma Minimum 0.5 mL plasma Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes Storage Freeze plasma Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.	Electro-Mechanical Clot Detection Clause Method	200 - 400 mg/dL	M - SU	1 HR
Fibrinogen - Antigen	FIBAG	85385	Reference Lab	Container 1 sodium citrate (light blue top) tube; fill between min and max fill line. Preferred 2 mL platelet poor plasma Minimum 1.0 mL platelet poor plasma Process Centrifuge specimen ASAP; remove plasma, re-centrifuge plasma, transfuse aliquot to plastic tube (screw top aliquot tube preferred). Refer to platelet poor plasma instructions. Separate aliquot aliquot tubes for coagulation orders. No sharing of aliquots. Storage Freeze plasma (Do not use a frost free freezer!) Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. **NOTE** DO NOT thaw sample after freezing. Label aliquot tube "plasma" or "frozen plasma"	Radial Immunodiffusion (RID)	Call Ref Lab		4 days
Fibroblast Growth Factor 23	FG23	83520	Reference Lab	Container: 1 EDTA purple top Preferred: 1.5 mls plasma Process: Spin and separate. Transport: Send plasma frozen.	Immunometric Enzyme Assay	Call Ref Lab		8 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Filaria IgG4	FILGG	86682	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.1 ml serum Process spin and separate Transport Send refrigerated	ELISA	Call Ref Lab		10 days
Finch Feathers IgE	FINCH	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Fire Ant IgE	FANT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Firebush (Kochia) IgE	FIREB	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Flecainide	FLEC	80299	Reference Lab	Container 1 plain red top tube Preferred 3 mls serum Minimum 1.5 mls serum Process Spin and separate Transport Send refrigerated **NOTE** No SST tubes	HPLC	Call Ref Lab		5 days
FLT3 ITD And TKD Mutation Detection	FL3MT	81245 81246	Reference Lab	Container EDTA lavender top tube Preferred 5 mls whole blood Process Do not spin. Send whole blood. Transport Send whole blood refrigerated **NOTE** EDTA bone marrow is acceptable	PCR	Call Ref Lab		10 days
Fluid Immune Profile	FLDIM	86355 86359 86360	Immunology	Container Sterile container Preferred 5 ml Bronch wash/lavage Minimum 1 ml Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Cell count must be ordered. **TESTING REQUIREMENTS** WBC count must be >100 and Lymph % must be >15	Flow Cytometry	See Report	M - F	1-2 days
Fluoride	FLR	82735	Reference Lab	Container 1 sodium heparin green top Preferred 3 mls plasma Minimum 1.2 mls plasma Process Spin and separate Transport Send refrigerated in plastic vial.	Ion-Selective Electrode	Call Ref Lab		10 days
FNA, Breast (FNB)			Cytology	Frosted-end slide, 50 ml tube alcohol/Ringer's solution Apply aspirate to frosted end of slide. Immerse immediately in Carnoy fixative for 5 min then transfer to 95% ethanol. Transport to lab in 95% alcohol. CAUTION: DO NOT LEAVE IN CARNOY FIXATIVE > 5 MIN ! Aspirates: Flush directly to 50 ml tube containing 1:1 solution of 50% ethyl alcohol and Ringer's solution. Cystic Lesions: Deliver immediately to lab in syringe (remove needle) or flush into 50 ml tube containing 1:1 50% ethyl alcohol and Ringer's solution.				24 HR
FNA, Lymph Node (FNL)			Cytology	Frosted-end slide, 50 ml tube with 1:1 solution 50% ethyl alcohol/Ringer's solution. Apply aspirate to frosted end of slide. Immerse immediately in Carnoy fixative for 5 min then transfer to 95% ethanol. Transport to lab in 95% alcohol. CAUTION DO NOT LEAVE IN CARNOY FIXATIVE > 5 MIN ! Aspirates: Flush directly to 50 ml tube containing 1:1 solution of 50% ethyl alcohol and Ringer's solution. Cystic Lesions: Deliver immediately to lab in syringe (remove needle) or flush into 50 ml tube containing 1:1 50% ethyl alcohol and Ringer's solution.				24 HR
FNA, Other (FNO)			Cytology	Frosted-end slide, 50 ml tube with 1:1 solution 50% ethyl alcohol/Ringer's solution Apply aspirate to frosted end of slide. Immerse immediately in Carnoy fixative for 5 min then transfer to 95% ethanol. Transport to lab in 95% alcohol. CAUTION: DO NOT LEAVE IN CARNOY FIXATIVE > 5 MIN! Aspirates: Flush directly to 50 ml tube containing 1:1 solution of 50% ethyl alcohol and Ringer's solution. Cystic Lesions: Deliver immediately to lab in syringe (remove needle) or flush into 50 ml tube containing 1:1 50% ethyl alcohol and Ringer's solution.				24 HR
FNA, Thyroid (FNT)			Cytology	Frosted-end slide, 50 ml tube with 1:1 solution 50% ethyl alcohol/Ringer's solution Apply aspirate to frosted end of slide. Immerse immediately in Carnoy fixative for 5 min then transfer to 95% ethanol. Transport to lab in 95% alcohol. CAUTION: DO NOT LEAVE IN CARNOY FIXATIVE > 5 MIN! Aspirates: Flush directly to 50 ml tube containing 1:1 solution of 50% ethyl alcohol and Ringer's solution. Cystic Lesions: Deliver immediately to lab in syringe (remove needle) or flush into 50 ml tube containing 1:1 50% ethyl alcohol and Ringer's solution.				24 HR

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Folate	FOLS 68130	82746	Chemistry	Container 1 SST tube Preferred 2 mL serum Minimum 1 mL serum Process Spin and separate Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** No Hemolysis Protect from light Lithium Heparin Acceptable Remove serum from clot or separator gel as soon as possible after complete clot formation. If testing will not be performed immediately, remove serum or plasma from the clot, separator or red blood cells and store at 2-8°C. Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 30 days	Chemiluminescent Microparticle Immunoassay (CMIA)	See Report	M - SU	4 HR
Food Panel #1 IgE Codfish, Egg White, Milk, Peanut, Soybean, Wheat	FOOD1	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Food Panel #2 IgE Cabbage, Paprika, Spinach, Tomato	FOOD2	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Food-Fruit Panel IgE Apple, Banana, Peach, Pear	FRUIT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Food-Grain Panel IgE Barley, Rice, Rye, Wheat	GRAIN	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Food-Nut Panel #1 IgE Almond, Brazil Nut, Coconut, Hazel, Peanut	NUT1	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Food-Nut Panel #2 IgE Cashew, Pecan, Pistachio, Walnut	NUT2	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Food-Vegetable Panel IgE Broccoli, Carrot, Corn Green Pea, White Bean	VEGGI	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Foresight Carrier Screen Fundamental	FCSFD		Reference Lab	Container Lavender top tube Preferred 4 mL whole blood Process Do not spin Transport Send whole blood room temp	Full Exon Sequencing	Call Ref Lab		14 days
Foresight Carrier Screen Universal	FCSUN		Reference Lab	Container Lavender top tube Preferred 4 mL whole blood Process Do not spin Transport Send whole blood room temp	Full Exon Sequencing	Call Ref Lab		14 days
Formaldehyde IgE	FORMA	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Fragile X (FMR1) w/Reflex to Methylation	FMR1	81243	Reference Lab	Container EDTA lavender top Preferred 5 mL whole blood. Min 1.5 mL Process Do not spin Transport Send whole blood refrigerated **NOTE** Patient consent and patient history required	PCR/Capillary Electrophoresis	Call Ref Lab		2 weeks
Free Androgen Index % Calculation only	FAI%		Chemistry	Container 1 SST tube Preferred 2 mL serum Minimum 1 mL serum Process Spin and Separate Storage Refrigerate (2-8°C) Transport Refrigerate (2-8°C) **NOTE** See requirements for Testosterone and SHBG	Chemiluminescent Microparticle Immunoassay (CMIA)	See Report	M - SU	4 HR

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Free Fatty Acids	FRFA	82725	Reference Lab	Container 1 plain red top tube Preferred 1 ml serum Minimum 0.5 mls serum Process Spin within 45 mins of draw Transport Send frozen **NOTE** Pt must be fasting 12-14 hrs. Pt must not consume any alcohol for 24 hrs before the draw.	Enzymatic Colorimetric	Call Ref Lab		4 days
Free Phenytoin	FPHEN	80185 80186	Reference Lab	Container 1 plain red top Preferred 2 mls serum Minimum 1 ml serum Process Spin and separate within 2 hrs Transport Send refrigerated **NOTE** No SST tubes	Membrane Separation/ Immunoassay	Call Ref Lab		2 days
Free T4 by Dialysis	T4FRD	84439	Reference Lab	Container: Plain red top tube Preferred: 2.6 mls serum Process: Spin and separate within 4 hrs Transport: Send serum refrigerated	Equilibrium dialysis	Call Ref Lab		7 Days
Fructosamine	FRC.S	82985	Reference Lab	Container 1 SST tube Preferred 0.5 mls serum Minimum 0.3 mls serum Process Allow serum to clot completely at room temp then spin and separate Transport Send refrigerated **NOTE** Patients should abstain from ascorbic acid supplements for 24 hrs prior to draw	Colorimetric Rate Reaction	Call Ref Lab		2 days
FSH	FSH 67020	83001	Chemistry	Container 1 SST tube Preferred 2 mL serum Minimum: 1 mL serum Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Lithium Heparin Acceptable If testing will be delayed more than 24 hours, remove serum or plasma from the clot, separator or red blood cells. Refrigerate (2-8°C) up to 7 days Freeze (-10°C or colder) if not done within 7 days	Chemiluminescent Microparticle Immunoassay (CMIA)	See Report	M - SU	4 HR
FTA - ABS	FTA	86780	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	IFA	Negative	M-F	1-3 days
FTA-CSF	FTACS	86780	Immunology	Container CSF Tube Preferred 1 ml CSF Minimum 0.5 ml Storage Refrigerate (2-8°C) Transport Refrigerate	IFA	Non-reactive	M - F	24 HR
Fungal Abs CSF	FUNCF	86606 86612 86635 86698 x2	Reference Lab	Container: Sterile container Preferred: 1 ml CSF Transport: Send refrigerated	Semi-Quant Complement Fixation Semi-Quantitative Enzyme- Linked Immunosorbent Assay/Qualitative Immunodiffusion	Call Ref Lab		7 days
Fungal culture ID	FUNID	87107	Microbiology	Organism transported to the laboratory on agar plates or slants	Phenotypic identification	Organism identification	M-SU	2 weeks
Fungal Profile Serum	FUNGS	86612 86635 86698 X 2 86606	Reference Lab	Container 1 SST tube Preferred 1 mls serum Minimum 0.4 mls serum Process Spin and separate within 2 hrs Transport Send refrigerated	Semi-Quant Complement Fixation/Semi Quantitative Enzyme-Linked Immunsorbent Assay/Qualitative Immunodiffusion	Call Ref Lab		7 days
Fungitell B-D Glucan	FTEL	87449	Reference Lab	Container 1 SST tube Preferred 2 mls serum Minimum 0.5 mls serum Process Spin within 2 hrs of draw. Do not pour off. Transport Send frozen in collection tube.		Call Ref Lab		2 days
Fungus Culture	FUNCU	87102	Microbiology	Ear, nasopharyngeal, throat, vagina or cervix: collect with a swab/culturette. Sputum 5 - 10 ml early morning specimen Abscess Send aspirate in capped syringe. Tissue Transport in sterile container, keep moist with gauze and saline. Bone Marrow Collect in a Pedi-Isolator tube. Urine Collect early morning specimen. Send all specimens to the lab immediately or refrigerate if transport is delayed.	Fungal culture	Negative @ 2 weeks Positives reported when detected.	M - SU	2 WK
Fungus Smear	FUNSM	87206	Microbiology	See fungus culture for collection. Fungal smear will NOT be performed on specimens collected and transported on swabs. Gram stain should be ordered on swab specimens.	Fluorescence microscopy.	No fungal elements seen. Positives reported when detected	M - SU	8 HR

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Fusarium Moniliforme IgE	FUSAR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Gabapentin Urine	GBPNU	80355	Reference Lab	Container Random urine container Preferred 20 mls urine Transport Send room temp	MS	Call Ref Lab		7 days
GAD 65 Ab	G65	86341	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 1 ml serum Process Spin and separate Transport Send refrigerated	RIA	Call Ref Lab		4 days
GAL-1-P-Uridyltransferase	GALPU	82775	Reference Lab	Container 1 EDTA purple top tube Preferred 5 mls whole blood Minimum 2 mls whole blood Process Do not spin Transport Send refrigerated **NOTE** Fasting patient (4 hrs)	Ultraviolet Kinetic	Call Ref Lab		4 days
Galactose Urine	GALU	82760	Reference Lab	Container: Random urine container Preferred: 5 mls random urine Minimum: 1 ml random urine Process: Aliquot into plastic pour off tube Transport: Send frozen	Spectrophotometric, Kinetic	Call Ref Lab		8 days
Galactose-1-Phosphate RBC	G.1RB	84378	Reference Lab	Container 1 EDTA purple top tube Preferred 5 mls whole blood Minimum 2 mls whole blood Process Place tube on wet ice immediately after collection. Do not spin Transport Send refrigerated **NOTE** Specimen good 3 days. DO NOT DRAW ON FRIDAY.	GC/MS	Call Ref Lab		14 days
Galectin-3	GAL-3	82777	Reference Lab	Container Plain red top tube Preferred 1 ml serum Process Allow to clot completely at room temp. Spin and separate within 2 hrs. Transport Send serum frozen.	Quant EIA	Call Ref Lab		10 days
Galop Autoantibody	GALOP	83520 84999	Reference Lab	Container 1 SST tube Preferred 2 mls serum Minimum 0.5 mls serum Process Spin and separate Transport Send room temp overnight. Stable 3 days refrigerated.	ELISA	Call Ref Lab		14 days
GAMT Sequence Analysis	GAMT	81479	Reference Lab	Container: EDTA Lavender Top Preferred: 3 mls whole blood Process: Do not spin Transport: Send whole blood room temp overnight	Sequence analysis performed in forward and reverse directions	Call Ref Lab		4 weeks
Ganglioside Ab Panel	GNGPL	83520 x 6	Reference Lab	Container SST tube Preferred 1 mls serum Process Spin and separate Transport Send serum frozen	Elisa	Call Ref Lab		8 days
Ganglioside Ab Panel		83520 x 6	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin and separate Transport Send serum refrigerated		Call Ref Lab		
Garlic IgE	GARLC	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Gastrin	GAST	82941	Reference Lab	Container: 1 SST tube Preferred: 1 ml serum Minimum: 0.5 ml serum Process: Spin and separate Storage: Send serum refrigerated **Note** 12 hour fasting is recommended	RIA	Call Ref Lab		4 days
Gastrocult	GASTR 10025	82271	Chemistry	Container: Sterile Container Preferred: 5 mL gastric aspirate or vomitus Minimum: 1 mL gastric aspirate or vomitus Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature (20-25°C) up to 24 hours Refrigerate (2-8°C) up to 5 days	Alpha Guaiaconic Acid	Negative	M - SU	4 HR
GC Culture	GCCU	87071	Microbiology	Collect specimen with "Transwab." Black capped Transwab for women; orange-capped Transwab for men. Do not refrigerate. Send to lab as soon as possible.	Bacterial culture	No GC isolated. Positives reported when detected.	M - SU	72 HR

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Gelatin IgE	GELAN	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Genital Culture	GENCU	87070	Microbiology	Collect: cervical specimen with a swab inserted through a speculum. Avoid touching swab to uninfected mucosal surface. Clean external urethra before taking urethral specimens. Transport: to the Microbiology Lab immediately. If immediate transport is impossible, store the specimen at room temperature and transport as soon as possible. If pathogens are isolated, susceptibility testing will be performed. Indicate collection site on ticket. Recommended body sites: Female: Vulva, Cervix, Urethra, Endometrium Male: Anal Swab, Urethral Swab, Prostatic Massage, Penis	Bacterial culture	No pathogens isolated. Positives reported when detected.	M - SU	72 HR
Gentamicin - Peak	GENTP 73511	80170	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Collect 30 minutes after dose administered Refrigerate (2-8°C) up to 7 days Freeze (-10°C) up to 14 days	Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	5 - 10 mcg/mL	M - SU	4 HR
Gentamicin - Random	GENTR 73512	80170	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Refrigerate (2-8°C) up to 7 days Freeze (-10°C) up to 14 days	Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	See Report	M - SU	4 HR
Gentamicin - Trough	GENTT 73510	80170	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Collect 15 minutes before dose administered Refrigerate (2-8°C) up to 7 days Freeze (-10°C) up to 14 days	Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	0-1.9 mcg/mL	M - SU	4 HR
Gerbil Epithelium IgE	GERB	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
G-FISH 100 Interphase Nuclei cytogenetics for identification of trisomies or deletions.	G-100 NUC	88271 x2 88274 x2 88291 x1	Cytogenetics	3-5 mLs of bone marrow drawn in a heparinized syringe and transferred to a sodium heparin (green top) tube for hematologic abnormalities. Room temp. A cell pellet from a recent cytogenetic study can be used, if available, for an add on request. If an add on test is desired, please call the lab (254-724-3704) to check for available pellet. A blood sample may be used for hematologic malignancies if it contains 10-20% blasts.	Specific DNA probes applied to cells on slides. One hundred nuclei per probe are observed for signals.	No evidence of abnormality	M - Su	1-2 weeks If faster turn around needed call lab at 254-724-3704
GGTP	GGTP 12000	82977	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate Note: Serum acceptable Room Temperature up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 1 year	GCNA	See Report	M - SU	4 HR
Giant Ragweed IgE	GRAGW	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Giemsa (Malaria/Borrelia)	GIEMS	87207	Microbiology	Draw 3 ml of blood in a lavender top (EDTA) tube. Alternately blood may be drawn from a finger stick. If finger stick is performed, make at least 2 thin smears and 2 thick smears. Send the blood and smears immediately to the Microbiology lab.	Giemsa Stain	No Malaria/ Borrelia parasites seen. Positives reported when detected	M - SU	24 HR

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Giladin (Deaminated) IgG & IgA Antibodies	GLIAB	83516 x2	Immunology	Container: 1 SST tube Preferred: 1 ml serum Minimum: 0.5 ml serum Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate	ELISA	<20 Units	Batched at least 2x weekly	1-3 days
Ginger IgE	GINGR	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Glomerular Filtration Rate (estimated)	GFR	82565	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 3 months Modification of Diet in Renal Disease study equation used. Calculation requires serum/plasma creatinine, age, sex and ethnic group for calculation.	Kinetic Alkaline Picrate	>60 mL/min/1.73m ² Intended for adults (age 18-90)	M - SU	4 HR
Glucagon	GLUCA	82943	Reference Lab	Container: Protease Inhibitor tube Preferred: 1 mL plasma Process: Spin and separate within 1 hr Transport: Send plasma frozen **NOTE** Winged collection tube (butterfly) must be used Separate specimens must be sent for multiple tests	RIA	Call Ref Lab		12 days
Glucola 50 gm - 1 hr (OB)	GCOLA 10102	82950	Chemistry	Container: 1 SST Tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Centrifuge within 2 hours of collection Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Lithium Heparin / Sodium Fluoride acceptable Room Temperature (20-25°C) up to 2 days Refrigerate (2-8°C) up to 7 days	Hexokinase / G-PDG photometric	≤140 mg/dL	M - SU	4 HR
Glucola 75 gm - 2 hr (Postpartum)	PCOLA	82950	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable / Sodium Fluoride acceptable Room Temperature (20-25°C) up to 2 days Refrigerate (2-8°C) up to 7 days	Hexokinase / G-PDG photometric	≤140 mg/dL	M - SU	4 HR
Glucose	GLU 10100	82947	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable / Sodium Fluoride acceptable Room Temperature(20-25°C) up to 2 days Refrigerate (2-8°C) up to 7 days	Hexokinase / G-PDG photometric	See Report	M - SU	4 HR
Glucose - 2 Hr PP (Post Prandial)	GLUPP 10610	82947	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Centrifuge within 2 hour of collection Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Lithium Heparin / Sodium Fluoride acceptable Room Temperature(20-25°C) up to 2 days Refrigerate (2-8°C) up to 7 days	Hexokinase / G-PDG photometric	≤140 mg/dL	M - SU	4 HR
Glucose - Body Fluid	GLUF 10103	82945	Chemistry	Container: Sterile Container Preferred: 5 mL body fluid Minimum: 1 mL body fluid Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature(20-25°C) up to 2 days Refrigerate (2-8°C) up to 7 days	Hexokinase / G-PDG photometric	No Reference Range Available	M - SU	4 HR

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Glucose - CSF	CSFGL 12900	82945	Chemistry	Container: CSF tube Preferred: 2 mL CSF Minimum: 1.5 mL CSF Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature(20-25°C) up to 72 hours if free of cells Refrigerate (2-8°C) up to 1 month if free of cells	Hexokinase / G-PDG photometric	50 - 80 mg/dL	M - SU	4 HR
Glucose - Urine (24 Hr)	UGLUC 14941	82947	Chemistry	Container: 24 hour Urine Container Preferred: 10 mL aliquot from well mixed 24 hr collection Minimum: 5 mL aliquot from well mixed 24 hr collection Process: Preservative - 5mL Glacial Acetic Acid before collection Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Keep refrigerated Refrigerate (2-8°C) up to 2 days Freeze (-20°C) up to 2 days	Hexokinase / G-PDG photometric	0.00 - 0.25 gm/vol	M - SU	4 HR
Glucose - Urine (Random)	UGLR 14942	82945	Chemistry	Container: Random Urine Container Preferred: 10 mL of urine Minimum: 5 mL of urine Process: No preservative Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Keep refrigerated Refrigerate (2-8°C) up to 2 days Freeze (-20°C) up to 2 month	Hexokinase / G-PDG photometric	No Reference Range Available	M - SU	4 HR
Glucose Tolerance 100 gm - 3 hr (OB)	GTOB	82951 82952 for each beyond 3 specimens	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Centrifuge within 2 hours of collection Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Lithium Heparin / Sodium Fluoride acceptable Room Temperature(20-25°C) up to 2 days Refrigerate (2-8°C) up to 7 days	Hexokinase / G-PDG photometric	Interpretive	M - SU	4 HR
Glucose Tolerance 75 gm - 2 hr (CF/NEURO)	GTTCF	82947 82950	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Centrifuge within 2 hour of collection Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Lithium Heparin / Sodium Fluoride acceptable Room Temperature(20-25°C) up to 2 days Refrigerate (2-8°C) up to 7 days	Hexokinase / G-PDG photometric	Interpretive	M - SU	4 HR
Glucose Tolerance 75 gm - 3 hr	GTT.3 10510	82951 82952 for each beyond 3 specimens	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Centrifuge within 2 hou of collection Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Lithium Heparin / Sodium Fluoride acceptable Room Temperature(20-25°C) up to 2 days Refrigerate (2-8°C) up to 7 days	Hexokinase / G-PDG photometric	Interpretive	M - SU	4 HR
Glucose-6-Phosphate Dehydrogenase	G6P	82955	Reference Lab	Container: ACD yellow top solutions A Preferred: 3 mls whole blood Process: Do not spin Transport: Send whole blood refrigerated. Do not freeze **NOTE** EDTA purple top is also acceptable	Quanti Enzymatic	Call Ref Lab		3 days
Glutaric Acid	GLUTS	82491	Reference Lab	Container: 1 SST tube Preferred: 2 mls serum Process: Spin and separate Transport: Send frozen		Call Ref Lab		5 days
Gluten IgE	GLUTN	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Glycine, CSF	GLYCC	82131	Reference Lab	Container: Sterile container Preferred: 1 ml CSF Minimum: Process: Aliquot into plastic tube Transport: Send frozen		Call Ref Lab		5 days
Glycine, Serum	GLYCS	82131	Reference Lab	Container: 1 SST tube Preferred: 1 ml serum Process: Spin and separate Transport: Send frozen		Call Ref Lab		5 days

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GMI Abs	GM.1	83516 x2	Reference Lab	Container 1 SST tube Preferred 0.3 mls serum Minimum 0.1 ml serum Process Spin and separate within 2 hrs Storage Send refrigerated	ELISA	Call Ref Lab		5 days
Goat Epithelium	GOAT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Goldenrod IgE	GLDR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Goose Feathers IgE	GOOSE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
GR. B Strep Culture (Pen Allergic)	GBSPA	87081	Microbiology	Collect one or two swabs of the vaginal introitus and the anorectum. Cervical swabs are not acceptable for screening purposes. Transport swabs in culturette.	Bacterial culture	No Grp. B Streptococci isolated. Positives reported when detected	M - SU	72 HR
Gram Stain	GST	87205	Microbiology	Can be performed on same specimen as culture. If ordered alone, see collection instructions for culture. The specimen should be taken from the advancing margin of the lesion and pus or exudate. It is critical that lesion margins and abscess wall be firmly sampled. It is recommended that for a Gram Stain and Culture, two swabs be collected. Transport to the Microbiology Lab immediately. Gram stain will be performed within the 8-hour shift.	Gram stain microscopy	No bacteria seen Positives reported when detected	M - SU	8 HR
Grape IgE	GRAPE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Grapefruit IgE	GRFRT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Grass Panel #1 IgE June, Meadow Fescue, Orchard Rye Timothy	GRAS1	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Grass Panel #2 IgE Bahia, Bermuda, Johnson, June/Kentucky Blue, Rye Timothy	GRAS2	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Grass Panel #3 IgE Cultivated Rye, Rye, Sweet Vernal, Timothy, Velvet Leaf	GRAS3	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Green Bean IgE	GBEAN	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Green Coffee Bean IgE	GCOBN	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Green Pea IgE	GRPEA	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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Green Pepper IgE	GPEPR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Grey Alder IgE	ALDER	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Group B Strep PCR (Other)	GBPCR	87653 x 1	Molecular	Vaginal/Anal Swabs on a rayon swab, with plastic shaft and Stuart's medium with a sponge pledget or an e-swab (liquid Stuart media) *Store at 20°C (Room Temperature)	Real Time PCR	Negative	Batched M - F	48-72 hours 24 hours TAT for STAT is required
Growth Hormone Mayo	GHSND	83003	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml serum Process Spin and separate Transport Send refrigerated **NOTE** Pt must be fasting	Two-Site Immunoenzymatic (Sandwich) Assay	Call Ref Lab	M, W, F	3 days
Growth Hormone RIA	LCGH	83003	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.2 ml serum Process Spin and separate within 1 hr Transport Send frozen	ICMA	Call Ref Lab		7 days
Guar Gum IgE	GUARG	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Guava IgE	GUAVA	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Guinea Pig Epithelium IgE	GUINE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Gum Arabic IgE	GUMA	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
H. Pylori IgG Antibodies	HPYLO	86677	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	ELISA	Negative	Batched at least 2x weekly	1-3 days
H. pylori Stool Antigen (EIA)	HPSA	87338	Microbiology	Collect a fresh stool in a leak-proof container. Transport to the laboratory as soon as possible under refrigerated conditions.	Enzyme Immunoassay (EIA)	Negative for H. pylori by EIA Positives reported when detected	M - F	24 HR
Haemophilus Influenza B Ab	HIBS	86403	Reference Lab	Container 1 SST tube Preferred 0.5 ml serum Minimum 0.2 ml serum Process Spin and separate Transport Send refrigerated	EIA	Call Ref Lab		4 days
Haemophilus Influenza B Ag	HBAG	86403	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.25 mls serum Process Spin and separate Transport Send refrigerated	Latex Agglutination	Call Ref Lab		3 days
Halibut IgE	HALIB	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Hamster Epithelium IgE	HAMST	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Haptoglobin	HAPTO	83010	Chemistry	Container: 1 Lithium Heparin (green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 2 weeks	Immunoturbidimetric	62 - 197 mg/dL	M - S	4 HR
Hazelnut (food) IgE	HAZEL	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
HCG Tumor Marker	HCGTM	84702	Reference Lab	Container: 1 SST tube Preferred: 0.6 ml serum Process: Spin and separate Transport: Send serum refrigerated **NOTE** 12 hours before draw, do not take multivitamins or dietary supplements containing biotin or Vitamin B7	Electrochemiluminescence Immunoassay	Call Ref Lab		4 days
HCG Quantitative testing Numerical result	HCG 67010	84702	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge within 2 hours of collection Storage: Refrigerate (2-8°C) up to 24 hours after collection Transport: Refrigerate **NOTE** Serum acceptable If testing not performed within 24 hours, separate plasma or serum from cells, clot or serum separator and store at (2-8°C) up to 7 days Frozen (-10°C) up to 12 months	Chemiluminescent Microparticle Immunoassay (CMIA)	See Report	M - SU	4 HR
HCV Fibrosure	FBSR	83883 83010 82172 82977 82247 84460	Reference Lab	Container: SST tube Preferred: 3.5 mls serum Process: Spin and separate within 2 hrs Transport: Send serum frozen **NOTE** Patient must be fasting at least 8 hours and over 14 years of age.	Electrochemiluminescence Immunoassay	Call Ref Lab		7 days
HCV Genosure NS3/4A	HCVGS	87900 87902	Reference Lab	Container: EDTA lavender top tube Preferred: 3 mls plasma Process: Spin and separate Transport: Send plasma frozen **NOTE** Patient must have Hep C genotype and Hep C viral load done previously		Call Ref Lab		10 days
HCV Genotype	HCVG	87902 x 1	Molecular	1 ml Serum 0.5 ml minimum requirement *Freeze specimen within 30 min	Multi-Plex PCR	Negative	Batched M - F	5-7 days
HCV Quantitative	HCQT	87522 X 1	Molecular	1 ml serum from SST tubes *Freeze specimen within 30 min	Real Time PCR	Negative	Batched M - F	5-7 days
HDL Cholesterol	HDL 11211	83718	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum or Sodium Heparin acceptable 12 Hr fasting sample is preferred but not required Room Temperature (20-25°C) up to 2 days Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 3 months	Accelerator Selective Detergent / Photometric	See Report	M - SU	4 HR
Heart HLA Antibody Identification (Class I-ABC and Class II DR-DQ)	HTIDC	86832 86833	HLA	1 ml serum. Notify lab if patient has been transfused within the last 7 days. If patient is to be transfused, draw the specimen before transfusion. Screening test is usually done first.	Flow Cytometry or Multiplex Immunoassay	See Report	M-F by noon	6 days
Heart HLA Antibody Screen (Class I and Class II)	HTPRA	86828	HLA	1 ml serum. Notify lab if patient has been transfused within the last 7 days. If patient is to be transfused, draw the specimen before transfusion.	Flow Cytometry or Multiplex Immunoassay	Negative	M-F by noon	6 days
Heart HLA Class I-ABC Antibody Identification	HTID1	86832	HLA	1 ml serum. Notify lab if patient has been transfused within the last 7 days. If patient is to be transfused, draw the specimen before transfusion.	Flow Cytometry or Multiplex Immunoassay	See Report	M-F	6 days
Heart HLA Class II-DR-DQ Antibody Identification	HTID2	86833	HLA	1 ml serum. Notify lab if patient has been transfused within the last 7 days. If patient is to be transfused, draw the specimen before transfusion.	Flow Cytometry or Multiplex Immunoassay	See Report	M-F	6 days
Heart HLA Typing Complete	HTTYP	81370	HLA	20 ml of blood in two yellow top (ACD-A) tubes. Do not refrigerate. Store at room temperature. Notify lab if patient has been transfused.	PCR-SSP	See Report	M-F	7 days
Heart Transplant Crossmatch	XMSH	86825, 86826 or 2 X 86805	HLA	1.0 mL of serum	Flow Cytometry or Microcytotoxicity	See report	M-Sun	24 HR on open donor case

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Heart TX HLA Class I Type (DR,DO)	HTHLD	81375	HLA	10 ml blood in one 10 ml yellow top (ACD-A) tube. Do not spin. Store at room temperature. Notify lab if patient has been transfused	PCR-SSP	See Report	M-F	7 days
Heart TX HLA Class I Type (ABC)	HTHLA	81372	HLA	10 ml of blood in one 10 ml yellow top (ACD-A) tube. Do not refrigerate. Keep at room temperature. Notify lab if patient has been transfused	PCR-SSP	See Report	M-F	7 days
Heavy Metals Blood	HVMSD	82175 82300 83655 83825	Reference Lab	Container 1 royal blue Monoject tube with EDTA Preferred 7 mls whole blood Minimum 1.5 ml whole blood Process Do not spin Transport Send refrigerated **NOTE** Pts should avoid shellfish and seafood for 48-72 hrs prior to draw. Pts should discontinue nutritional supplements, vitamins and minerals 48-72 hrs prior to draw	ICP-MS	Call Ref Lab		3 days
Heavy Metals Urine	HMP4R	82175 82300 83655 83825	Reference Lab	Container 24 hr urine container with no preservative (collection may also be random) Preferred 8 mls urine Minimum 2 mls urine Process Aliquot into metal free tube Transport Send refrigerated **NOTE** patient should not eat seafood for 48-72 hrs prior to collection. Abstinence from iodine-containing medications or contrast agents for at least 1 month prior to collecting specimens for elemental testing is recommended.	ICP-MS	Call Ref Lab		4 days
Helicobacter Pylori Breath Test	HPBTH	83013	Reference Lab	Container Breath Tek UBT Kit Preferred Pink and blue bags Process Collect according to instructions Transport Send kit room temp. Do not refrigerate or freeze.	Qualitative Spectrophotometry	Call Ref Lab		5 days
Helminthosporium Halodes IgE	HELM	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Hematocrit	HCT	85014	Hematology	Container 1 EDTA (lavender) tube; must be more than 1/2 full for accurate results Preferred 2-3 mL whole blood Vacuated Collection Tube Minimum 1/3 of optimal collection volume of vacuated collection tubes Microcontainer Minimum 0.5 mL Storage Store whole blood at room temperature if testing is performed within 4-hours of collection; otherwise refrigerate. Refrigerated sample satisfactory for 24-hours. Transport Keep cool	Cell Counter; Automated	See report for age and gender specific ranges.	M - SU	2 HR
Hemoglobin	HGB	85018	Hematology	Container: 1 EDTA (lavender) tube; must be more than 1/2 full for accurate results Preferred 2-3 mL whole blood Vacuated Collection Tube Minimum 1/3 of optimal collection volume of vacuated collection tubes Microcontainer Minimum 0.5 mL Storage Store whole blood at room temperature if testing is performed within 4-hours of collection; otherwise refrigerate. Refrigerated sample satisfactory for 24-hours. Transport Keep cool	Cell Counter; Automated	See report for age and gender specific ranges.	M - SU	2 HR
Hemoglobin - Electrophoresis	HGBEP 71310	83020	Chemistry	Container: 1 - EDTA (Lavender top) tube Preferred: 2 mL whole blood Minimum: 1 mL whole blood Process: Do Not Spin Storage: Refrigerate (2-8°C) Transport: Refrigerate Note: EDTA only Do not Spin	Electrophoresis	HgbA1: 96-98.5% HgbA2: 1.5-3.5% HgbF: 0-2%	Tu, F	24 HR
Hemoglobin A1C	HGA1C 73701	83036	Chemistry	Container 1 - EDTA (Lavender top) tube Preferred 2 mL whole blood Minimum 1 mL whole blood Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Note: EDTA only Do not Spin Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 7 days	High Performance Liquid Chromatograph (HPLC) or Enzymatic Method on Abbott Arcitect Site dependent See Report	4.0 - 5.6%	M - SU	8 HR
Hemoglobin Electrophoresis Cascade	HGCAS	83020 83021 82664	Reference Lab	Container 1 EDTA purple top tube Preferred 3 mls whole blood Minimum 1 ml whole blood Process Do not spin Transport Send refrigerated	HPLC/Alkaline Gel Electrophoresis	Call Ref Lab		3 days
Hemoglobin Plasma	PLHGB	83051	Reference Lab	Container 1 EDTA purple top Preferred 2 mls plasma Minimum 1.5 ml plasma Process Draw with a 19 gauge needle, spin immediately Transport Send refrigerated **NOTE** Serum unacceptable	Spectrophotometry	Call Ref Lab		3 days
Hemoglobin TDH	HGBTX	85018	Reference Lab	Container: EDTA lavender top Preferred: 1 ml whole blood Process: Do not spin Transport: Send whole blood room temp		Call Ref Lab		10 days

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Hemosiderin (Iron) Stain - Urine	HEMST	85535	Hematology	Container: 1 Sterile, plastic, leak-resistant urine container Preferred: 50-100 mL first morning collection Minimum: 3-mL random urine Process: Deliver immediately to laboratory Storage: If delivery to laboratory is within 1-hour of collection keep at room temperature; otherwise refrigerate immediately after collection. Transport: Tightly seal lid; Keep cool	Microscopic w/ Stained Sediment	Negative	M - F	Business Hours = 6 HR After Hours = Next Business Day
Hep B Core Ab - Total	HBCAB	86704	Chemistry	Container: 1 Lithium Heparine (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room temperature (24-30°C) up to 3 days Refrigerate (2-8°C) up to 7 days Sample may be frozen (-20°C)	Chemiluminescent Microparticle Immunoassay (CMIA)	Negative	M - Su	24 HR
Heparin Induced Platelet (PF4) Antibody	PF4HI	86022	Immunology	Container: 1 SST tube or 1 Red top Preferred: 1 mL Serum Minimum: 0.5 mL Serum Process: Centrifuge Storage: Frozen Transport: Frozen	ELISA	Negative	Batch at least 2x weekly	1-3 days
Hepatitis A AB - IgG	HAVG	86708	Chemistry	Container: 1 SST Tube (Gold Top) Preferred: 2 mL serum Minimum: 1 mL serum Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum Only Room temperature (24-30°C) up to 4 days Refrigerate (2-8°C) up to 8 days Sample may be frozen (-20°C)	Chemiluminescent Microparticle Immunoassay (CMIA)	Negative	M - S	24 HR
Hepatitis A AB - IgM	HAVM	86709	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room temperature (24-30°C) up to 3 days Refrigerate (2-8°C) up to 7 days Sample may be frozen (-20°C)	Chemiluminescent Microparticle Immunoassay (CMIA)	Negative	M - S	24 HR
Hepatitis B Core Ab - IgM	HBCM 34320	86705	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room temperature (24-30°C) up to 3 days Refrigerate (2-8°C) up to 7 days Sample may be frozen (-20°C)	Chemiluminescent Microparticle Immunoassay (CMIA)	Negative	M - Su	24 HR
Hepatitis B Genotype	HBVG	87912	Reference Lab	Container: EDTA Lavender Top Preferred: 2 mls plasma Process: Spin and separate within 24 hours Transport: Send plasma frozen *NOTE* Please send most recent viral load and date if applicable.	PCR	Call Ref Lab		10 days
Hepatitis B Quantitative by Taqman	HBVQ	87517 x 1	Molecular	1 ml Serum 0.5 ml minimum requirement *Freeze specimen within 30 min	Real Time PCR	Negative	Batched M - F	7 days, 24 hours TAT for STAT is required
Hepatitis B Surface Ab	HBSAB	86706	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Storage Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room temperature (24-30°C) up to 3 days Refrigerate (2-8°C) up to 7 days Sample may be frozen (-20°C)	Chemiluminescent Microparticle Immunoassay (CMIA)	Negative	M - Su	24 HR
Hepatitis B Surface Ag	HBSAG	87340	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room temperature (24-30°C) up to 24 days Refrigerate (2-8°C) up to 6 days Sample may be frozen (-20°C)	Chemiluminescent Microparticle Immunoassay (CMIA)	Negative	M - Su	24 HR

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Hepatitis Be Virus Ab	HBVAB	86707	Reference Lab	Container: SST tube Preferred: 1 ml serum Process: Spin and separate within 2 hrs Transport: Send serum refrigerated	EIA	Call Ref Lab		7 days
Hepatitis Be Virus Ag	HBEVA	87350	Reference Lab	Container: SST tube Preferred: 1 ml serum Process: Spin and separate within 2 hrs Transport: Send serum refrigerated	EIA	Call Ref Lab		7 days
Hepatitis C Ab	HCV	86803	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room temperature (24-30°C) up to 3 days Refrigerate (2-8°) up to 7 days Sample may be frozen (-20°C)	Chemiluminescent Microparticle Immunoassay (CMIA)	Negative	M - Su	24 HR
Hepatitis C Viral RNA N5.5A Drug Resistance	HCVNS	87902	Reference Lab	Container: EDTA lavender top tube Preferred: 2 mls plasma Process: Spin and separate within 24 hours Transport: Send plasma frozen	PCR + Sequencing	Call Ref Lab		2 weeks
Hepatitis D IgM	HDGM	86692	Reference Lab	Container: Plain Red Top Tube Preferred: 1 ml serum Process: Spin and separate Transport: Send serum refrigerated	Enzyme Immunoassay	Call Ref Lab		8 days
Hepatitis Delta Ab	HDAB	86692	Reference Lab	Container: SST Tube Preferred: 1 ml serum Process: Spin and separate within 2 hours Transport: Send serum frozen	Qualitative Enzyme Immunoassay	Call Ref Lab		10 days
Hepatitis Delta Ag	HEPD	87380	Reference Lab	Container: Plain red top tube Preferred: 1 ml serum Process: Spin and separate within 1 hour Transport: Send serum frozen	Qualitative Enzyme- Linked Immunosorbent Assay	Call Ref Lab		10 days
Hepatitis E IgG	HPEG	86790	Reference Lab	Container: SST tube Preferred: 0.5 mls serum Process: Spin and separate within 2 hrs Transport: Send serum refrigerated	Enzyme-linked Immunosorbent Assay	Call Ref Lab		10 days
Hepatitis E IgM	HPEM	86790	Reference Lab	Container: SST tube Preferred: 0.5 mls serum Process: Spin and separate within 2 hrs Transport: Send serum refrigerated	Enzyme-Linked Immunosorbent Assay	Call Ref Lab		10 days
Hepatitis Panel - Acute Includes: HBSAG HCV HBCM HAVM	HSURV	87340 86803 86705 86709	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room temperature (24-30°C) up to 3 days Refrigerate (2-8°C) up to 7 days Sample may be frozen (-20°C)	Chemiluminescent Microparticle Immunoassay (CMIA)	Negative	M - Su	24 HR
Hepatocellular Carcinoma Tumor Marker Panel	HCTMP	82107 83951	Reference Lab	Container: SST tube Preferred: 1 ml serum Process: Allow specimen to clot completely at room temperature. Spin and separate within 2 hrs Transport: Send serum refrigerated	Qnt Liquid Chromatography Immunoassay	Call Ref Lab		10 days
Hereditary Hemochromatosis	HHem	81256 G0452	Molecular	3 mls of EDTA blood (purple top) 1 ml minimum requirement **NOTE** Store at 2-8° C (Refrigerate) Must be accompanied by consent and genetic counseling form.	Pyrosequencing	Homozygous normal mutation	Batched M - F	7 days, 24 hours TAT for STAT is required
Herpes Simplex (HSV1/2) PCR (Other)	HSVO	87529 x 1	Molecular	Swab in M4 Viral Transport Media * Store at 2-8°C (Refrigerate)	Real Time PCR	Negative	Batched M - F	3 days, 24 hours TAT for STAT is required
Herpes Simplex 1 and 2 - IgG Antibodies - Type Specific	HERPS	86695 86696	Immunology	Container: 1 SST tubes Preferred: 1 ml Serum Minimum: 0.5 ml Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Includes HSV-1 and HSV-2	Multiplex Immunoassay	Negative	M - F	1-3 days
Herpes Simplex IgM Antibody	HSVMX	86694	Immunology	Container: 1 SST tubes Preferred: 1 ml Serum Minimum: 0.5 ml Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate	ELISA	≤ 0.89	Batched at least 2x weekly	1-2 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Herpes Virus 6 DNA PCR	HSV6	87532	Reference Lab	Container 1 EDTA purple top Preferred 1 ml plasma Minimum 0.3 ml plasma Process Spin and separate within 2 hrs Transport Send refrigerated	PCR	Call Ref Lab		4 days
Herpes Virus 8 IgG Ab	HSV8G	86790	Reference Lab	Container 1 SST tube Preferred 1 ml seryn Minimum 0.1 ml serum Process Spin and separate Transport Send refrigerated	IFA	Call Ref Lab		10 days
Herring IgE	HERR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Heterophile AB (MonoSpot)	MONO	86308	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Lithium Heparin acceptable Refrigerate (2-8°C) up to 2 days Freeze (-20°C) for longer storage	Solid-Phase Immunoassay	Negative	M - SU	4 HR
Hexahydrophthalic Anhydri IgE	HEXAA	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
HGB/HCT	H/H	85018	Hematology	Container 1 - EDTA (lavender) tube; must be more than 1/2 full for accurate results Preferred: 2-3 mL whole blood Vacuated Collection Tube Minimum 1/3 of optimal collection volume of vacuated collection tubes Microcontainer Minimum 0.5 mL Process None Storage Store whole blood at room temperature if testing is performed within 4-hours of collection; otherwise refrigerate. Refrigerated sample satisfactory for 24-hours. Transport Keep cool	Cell Counter; Automated	See report for age and gender specific ranges.	M - SU	2 HR
HHT, Sequencing and Del/Dup	HHT	81406 81405 81479 x2	Reference Lab	Container EDTA lavender top tube Preferred 3 mL whole blood Process Do not spin Transport Send whole blood refrigerated	PCR/Multiplex Ligation - dependent Probe Amplification	Call Ref Lab		40 days
Hickory, White IgE	WHICK	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
High resolution stimulated blood for detection of chromosomal abnormalities in microdeletion syndromes such as Prader Willi, Williams, etc. or infertility.	G-HR	88230 x2 88289 x1 88262 x1 88291 x1	Cytogenetics	3-5 mLs of blood in sodium heparin (green top) tube. Room temp.	Culture for 72-96 hours with stimulation by PHA to induce mitosis and FUDR, Uridine and Thymidine to increase mitotic index. Harvest and analysis of chromosomes.	Normal male (46,XY) or normal female (46,XX)	M - Su	1-2 weeks If faster turn around needed call lab at 254-724-3704
Histamine	HSWB.	83088	Reference Lab	Container 1 sodium heparin green top tube Preferred 1 ml whole blood Minimum 0.5 ml whole blood Process Transfer well mixed whole blood into plastic transport tube. Transport Send whole blood frozen **NOTE** Separate specimens must be sent for multiple tests	EIA	Call Ref Lab		7 days
Histone Ab	HST.A	83516	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml serum Process Spin and separate ASAP Transport Send refrigerated	ELISA	Call Ref Lab		7 days
Histoplasma Ab Serum	HLAB	86698	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml serum Process Spin and separate ASAP Transport Send refrigerated	CF	Call Ref Lab		5 days
Histoplasma Ag CSF	HPAGC	87385	Reference Lab	Container: Sterile container Preferred: 1 ml CSF Minimum: Process: Aliquot into plastic tube Transport: Send room temp		Call Ref Lab		7 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Histoplasma Ag Serum	HPAGS	87385	Reference Lab	Container 1 SST tube Preferred 3 mls serum Process Allow specimen to clot for 30 minutes Transport Send room temp		Call Ref Lab		7 days
Histoplasma Ag Urine	HPAGU	87385	Reference Lab	Container Random urine container Preferred 0.5 mls urine Process Aliquot into plastic tube Transport Send room temp		Call Ref Lab		7 days
HIV 1 Integrase Genotype	HVIIG	87906	Reference Lab	Container EDTA lavender top tube Preferred 2 mls plasma Process Spin and separate Transport Send plasma frozen	RT-OCR	Call Ref Lab		7 days
HIV 1 Proviral DNA	HV1P	87535	Reference Lab	Container 1 EDTA purple top tube Preferred 1 mls whole blood Minimum 0.5 mls whole blood Process Do not spin. Transport Send whole blood refrigerated	PCR	Call Ref Lab		7 days
HIV 1,2 Antibody	HIV12	87389	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room temperature (24-30°C) up to 3 days Refrigerate (2-8°C) up to 7 days Sample may be frozen (-20°C)	chemiluminescent Microparticle Immunoassay (CMIA)	Negative	M - Su	24 HR
HIV 1/2 Antibody Differentiation/Confirmation Assay	HIVC	HIV1 - 86701 HIV2 - 86702	Immunology	Container 1 Li Heparin (green) or 1 SST tube (gold) Preferred 1 mL Plasma/Serum Minimum 0.5 mL Plasma/Serum Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Lab orderable tests only! Please call Immunology if test is ordered	Western Blot	See Report	M - F	1 - 3 days
HIV Genotype	HIGEN	87901 87900	Reference Lab	Container 1 EDTA purple top Preferred 3 mls plasma Minimum 1 ml plasma Process Spin and separate within 24 hrs Transport Send frozen	PCR/DNA Sequencing	Call Ref Lab		14 days
HIV-1 RNA Quantitative	HVRNA	87536 x 1	Molecular	2 ml EDTA plasma 1 ml minimum requirement Freeze specimen within 30 minutes	Real-time PCR	See Report	Batched M - F	7 days, 24 hours TAT for STAT is required
HIV-1 Western Blot	HIVWB	86689	Immunology	Container 1 SST tubes or 1 Lithium Heparin (green) Preferred 1 ml Serum/Plasma Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Call Immunology if ordered	Western Blot	See Report	M-F	1-3 days
HLA - ABC Typing	HLABC 41010	86813	HLA	One or two (10 - 20 ml blood) 10 ml yellow top (ACD-A) tube or sodium heparin green top tubes. Keep at room temperature. Do not spin. Do not draw within 48 hours of transfusion. Notify lab if patient has been transfused or had chemotherapy within the last 7 days.	Microcytotoxicity	See Report	M - F	6 days
HLA - B27	B27 41005	86812	HLA	One 10 ml yellow top (ACD-A) tube or sodium heparin green top tube. Keep at room temperature. Do not spin.	Microcytotoxicity	Present or not present	M - F	6 days
HLA - DNA Class I	DNABC	81372	HLA	10 ml of blood in one 10ml yellow top (ACD-A) tube. EDTA lavender tube okay. Do not refrigerate. Keep at room temperature. Do not draw within 48 hours after transfusion.	PCR-SSP	See Report	M - F	7 Days
HLA - DNA Class II	DNADR 41019	81375	HLA	10 ml blood in one 10 ml yellow top (ACD-A) tube. EDTA lavender tube okay. Do not spin. Store at room temperature.	PCR-SSP	See Report	M - F	7 Days
HLA - DNA Class II - High Resolution	DNADR 41019	81382 x2	HLA	20 ml blood in two 10 ml yellow top (ACD-A) tubes. Do not spin. Store at room temperature.	PCR-SSP	See Report	M - F	7 Days
HLA - Platelet Antibody Screen	PLTAB 41195	86022	HLA	1 ml serum. Notify lab if patient has been transfused in last 7 days.	Enzyme-linked Immunosorbent Assay (ELISA)	See Report	T	7 days
HLA - PRA (Panel Reactive Antibody) or HLA Antibody Screen (Class I and Class II)	HLPRA 41185	86828	HLA	1ml of serum. Notify lab if patient has been transfused or had chemotherapy within the last 7 days. If patient is to be transfused, draw the specimen before transfusion.	Enzyme-linked Immunosorbent Assay (ELISA) or Multiplex Immunoassay or Flow Cytometry	See Report	M - F (batch)	15 days
HLA Antibody Identification (includes HLA Class I (ABC) and HLA Class II (DR,DQ))	HLID	86832 86833	HLA	1ml of serum. Notify lab if patient has been transfused or had chemotherapy within the last 7 days. If patient is to be transfused, draw the specimen before transfusion.	Multiplex Immunoassay	See Report	M - F	6 days

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HLA B*5701	H5701	81381	Reference Lab	Container: EDTA lavender top Preferred: 3 mls whole blood Process: Do not spin Transport: Send whole blood refrigerated	PCR / Fluorescence Monitoring	Call Ref Lab		10 days
HLA Class I (ABC) Antibody Identification	CLID1	86832	HLA	1ml of serum. Notify lab if patient has been transfused or had chemotherapy within the last 7 days. If patient is to be transfused, draw the specimen before transfusion.	Flow cytometry or Multiplex Immunoassay	See Report	M - F	72 HRS
HLA Class II DP and DQ Type High Resolution	DPQHR	81382 x 4	HLA	Container Yellow top tube (ACD-A) or Lavendar EDTA tube Preferred 10 mL (cc) of blood Minimum 3 mL of whole blood **NOTE** Send at room temperature	PCR - SSP	NA	M - F	7 days
HLA Class II (DR,DQ) Antibody Identification	CLID2	86833	HLA	1ml of serum. Notify lab if patient has been transfused or had chemotherapy within the last 7 days. If patient is to be transfused, draw the specimen before transfusion.	Flow cytometry or Multiplex Immunoassay	See Report	M - F	72 HRS
HLA Single Antigen - AB Disease Association	DISAB 41018	86812	HLA	One 10 ml yellow top (ACD-A) tube or sodium heparin green top tube. Do not refrigerate. Do not spin. Keep at room temperature. PLEASE specify antigen requested.	Microcytotoxicity	See Report	M - F	48 HR
HLA Typing Complete	DNTYP	81370	HLA	20 ml blood in two yellow tip (ACD-A) tubes. Do not refrigerate. Store at room temperature. Notify lab if patient has been transfused. For pediatric, 3 ml of ACD-A or EDTA is okay.	PCR-SSP	See Report	M-F	7 days
Homocysteine	HMCYS 75567	83090	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Immediately place on ice Spin and separate from cells/gel Storage: Refrigerate (2-8°C) Transport: Refrigerate	Chemiluminescent Microparticle Immunoassay (CMIA)	5 - 15 µmol/L	M - Su	4 HR
Homocysteine Urine	HCYSU	83090	Reference Lab	Container: Random Urine Container Preferred: 4 mls urine Transport: Send urine refrigerated **NOTE** Fasting patient. Void and discard 1st morning urine sample, collect 2nd sample	LC/MSMS	Call Ref Lab		4 days
Homovanillic Acid (HVA)	HVA	83150	Reference Lab	Container: 24 hr urine container with 25 mls acetic acid Preferred: 7 mls urine Minimum: 2 mls urine Process: Aliquot into plastic tube Transport: Send refrigerated **NOTE** Levodopa interferes with the procedure, discontinue 24 hrs prior to & during collection Add 15 mls acetic acid for children less than 5	LC-MS/MS	Call Ref Lab		4 days
Homocysteine Urine	HOMCU	83090	Reference Lab	Container: Random urine container Preferred: 4 mls urine Minimum: 2.25 mls urine Process: Aliquot into plastic tube Transport: Send urine refrigerated **NOTE** Fasting pt. Discard first morning urine specimen. Collect the next random urine specimen.	LC-MS/MS	Call Ref Lab		4 days
Honey IgE	HONEY	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Honeybee Venom IgE	HBEEV	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Hop Fruit IgE	HOP	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Horizon	HRIZN		Reference Lab	Container: Purple top tube provided by Natera Preferred: 10 mls Process: Do not spin Transport: Send room temp in kit	Next-gen sequencing	Call Ref Lab		14 days
Horn Beam IgE	HOBEA	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Horse Dander IgE	HORS D	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Horse Fly IgE	HOFLY	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Horse Meat IgE	HORSE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Horse Serum Protein IgE	HORS P	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Horse Dust Mites Dermatophagoides Pterony IgE	DPTER	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Horse Dust Mites/ Dermatophagoides Farinae IgE	DFARI	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Horse Dust Panel IgE Cockroach, D. farines, D. pteronyssinus, Hollister-Stier	DUST1	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Horse Dust/H-S Lab IgE	HOLST	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Horse Dust-Greer Lab IgE	GREER	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
HTLV I/II Abs	HTLV.	86790	Reference Lab	Container: SST Tube Preferred: 0.5 mls serum Process: Spin and separate within 2 hours Transport: Send serum refrigerated	Qualitative Enzyme Immunoassay / Qualitative WB	Call Ref Lab		7 days
Human Papillomavirus (HPV)		87624	Molecular	Cervical Brushes Cervical Biopsies Cytex PreservCyt Solution 4 ml minimum requirement	Real-Time PCR	Negative	Batched M - F	7 days, 24 hours TAT for STAT is required 21 days
Huntington's Disease	HUNT	81401	Reference Lab	Container EDTA purple top tubes Preferred 5 mls whole blood (adult) Process Do not spin Transport Send room temp **NOTE** Requisition & consent form must accompany specimen	PCR	Call Ref Lab		21 days
Hydrocodone and Metabolites	HYDCN	82646	Reference Lab	Container: Random urine container Preferred: 10 mL urine Transport: Send urine refrigerated	GC/MS	Call Ref Lab		7 days

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Hypocoagulation Screen (Thrombotic Risk, Inherited Etiologies)	THUE	See Included Tests	Reference Lab	Container 2 tubes sodium citrate (light blue top); fill between min and max fill line. Preferred 2 mL platelet poor plasma each into 2 plastic aliquot tubes preferably screw top aliquot tubes Minimum Same as preferred volume Process Centrifuge specimen ASAP; remove plasma, re-centrifuge plasma, transfuse aliquot to plastic tube (screw top aliquot tube preferred). Refer to platelet poor plasma instructions. Separate aliquot aliquot tubes for coagulation orders. No sharing of aliquots. Storage Freeze plasma (Do not use a frost free freezer!) Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. **NOTE** DO NOT thaw sample after freezing. Label aliquot tube "plasma" or "frozen plasma" Profile Include: PT (85610) PTT (85730) AT3 () Protein C Functional (85303) Protein S Free Activity (85306)	Multiple Methods Electromagnetic Clot Detection Microlatex Particle Mediated Immunoassay Chromogenic	Call Ref Lab Age Dependent	Mon - Fri	4 days
Hypersensitivity Pneum Extended Panel	HSFL	86003 x 3 86005 86331 x 7 86606 x 5	Reference Lab	Container SST tube Preferred Two 2.5 mls aliquots serum Process Spin and separate within 2 hrs Transport Send serum refrigerated	Qual Immunodiffusion/Qnt ImmunoCAP Fluorescent Enzyme Immunoassay	Call Ref Lab		8 days
Hypoglycemic Agent Screen	HGLY	80307	Reference Lab	Container 1 plain red top tube Preferred 3 mls serum Minimum 1.1 ml serum Process Spin and separate Storage Send frozen **NOTE** No SST tubes	LC-MS/MS	Call Ref Lab		8 days
IA-2 Ab	IA-2A	86341	Reference Lab	Container Plain red top tube Preferred 1.5 mls serum Process Spin and separate Transport Send serum refrigerated **NOTE** SST acceptable	RIA	Call Ref Lab		6 days
IBD sgi DIAGNOSTIC	IBD.	81479 x4 83520 x6 82397 x4 86140 88346 88350	Reference Lab	Container 1 SST tube and 1 EDTA purple top tube Preferred 2 mls serum & 2 mls whole blood Process Spin and separate serum. Do not spin purple top Transport Send room temp		Call Ref Lab		5 days
ID and Susceptibility	IDS	87077	Microbiology	Submit a pure isolate on agar or slant. Transport to the laboratory.	Biochemical Identification and Susceptibility Testing	N/A	M - Su	72 HRs
Ig Kappa Light Chain Gene Rearrangement		81264 G0452	Molecular	3-ml peripheral blood, bone marrow biopsy, bone marrow aspirate anticoagulated with EDTA (Store at 2-8° C (Refrigerate)) or, 5 mm cube of tissue frozen; or at room temperature or on ice in RPMI1640 or, formalin-fixed paraffin embedded tissue	PCR amplification with ABI310 fluorescent detection	Negative for Rearrange-ment	Batched M - F	7 days, 24 hours TAT for STAT is required
Ig Lambda Light Chain Gene Rearrangement		81479 G0452	Molecular	3-ml peripheral blood, bone marrow biopsy, bone marrow aspirate anticoagulated with EDTA (Store at 2-8° C (Refrigerate)) or, 5 mm cube of tissue frozen; or at room temperature or on ice in RPMI1640 or, formalin-fixed paraffin embedded tissue	PCR amplification with ABI310 fluorescent detection	Negative for Rearrange-ment	Batched M - F	7 days, 24 hours TAT for STAT is required
IgA	IGA.1	82784	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Lithium heparin acceptable (20-25°C) up to 8 months Refrigerate (2-8°C) up to 8 months -20°C up to 8 months	Immunoturbidimetric	See Report	M - Su	4 HR
IgE	IGE 68070	82785	Chemistry	Container 1 Li Heparin tube Preferred 2 mL plasma Minimum 1 mL plasma Process Spin and separate Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Serum Acceptable Room Temperature up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 60 days	Immunoturbidimetric	See Report	M - SU	4 HR
IgE, Total	IGE 68070	82785	Immunology	Container 1 SST tube Preferred 1mL serum Minimum 0.5 mL serum Process Spin and separate Storage Refrigerate (2-8°C) Transport Refrigerate	FUEA (ImmunoCAP)	See Report	M - F	
IGF-1 Calculated Z-Score	IGFZC	84305	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin and separate Transport Send serum frozen	Qnt Chemiluminescent Immunoassay	Call Ref Lab		3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
IGF-2	LC534	83519	Reference Lab	Container 1 SST tube Preferred 0.5 ml serum Process Spin and separate within 1 hr Transport Send frozen	RIA	Call Ref Lab		10 days
IGF-BP3	IGF3	82397	Reference Lab	Container SST tube Preferred 0.5 ml serum Process Spin and separate Transport Send serum frozen	Chemiluminescent Immunoassay	Call Ref Lab		3 days
IgG	IGG.1	82784	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Lithium heparin acceptable (20-25°C) up to 4 months Refrigerate (2-8°C) up to 8 months -20°C up to 8 months	Immunoturbidimetric	See Report	M - Su	4 HR
IgG Subclasses	IG.SC	82787 x 4	Reference Lab	Container 1 SST tube Preferred 2 mls serum Minimum 0.45 ml serum Process Spin and separate within 2 hrs Transport Send refrigerated	Nephelometry	Call Ref Lab		4 days
IgG, IgA, IgM	IGAM1	82784x3	Chemistry	Container 1 SST Tube Preferred 2 mL serum Minimum 1 mL serum Process Spin and separate Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Lithium heparin acceptable Room temp (20-25°C) up to 2 months Refrigerate (2-8°C) up to 4 months Frozen (-20°C) up to 6 months	Immunoturbidimetric	See Report	M - Su	4 HR
IgH Gene Rearrangement (B cell)	IgH	83890 x 1 83898 x 2 83900 x 1 83894 x 2 83912 x 1	Molecular	3-ml peripheral blood, bone marrow biopsy, bone marrow aspirate anticoagulated with EDTA (Store at 2-8° C (Refrigerate)) or, 5 mm cube of tissue frozen; or at room temperature or on ice in RPMI1640 or, formalin-fixed paraffin embedded tissue	PCR amplification with fluorescent detection	Negative for Rearrange-ment	Batched M - F	7 days, 24 hours TAT for STAT is required
IgM	IGM.1	82784	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Lithium Heparin acceptable (20-25°C) up to 2 months Refrigerate (2-8°C) up to 4 months -20°C up to 6 months	Immunoturbidimetric	See Report	M - Su	4 HR
Imipramine	IMIPR	80335	Reference Lab	Container 1 plain red top Preferred 1 mls serum Minimum .25 ml serum Process Spin and separate within 2 hours Transport Send refrigerated **NOTE** Draw 12 hrs after last dose, No SST tubes	HPLC	Call Ref Lab		3 days
Immune Complex Panel	IMCP.	86632 X 2	Reference Lab	Container SST Tube Preferred TWO 1.5 mL aliquots of serum Process Allow complete clotting of RBCs (up to 1 hr). Spin and separate, freeze immediately Transport Send frozen **NOTE** Separate specimens must be sent for multiple tests	Flow Cytometry (ELISA)	Call Ref Lab		2 weeks
Immune Profile I w/CBC	IMM1	86355 86359 86360	Immunology	Container 1 Sodium Heparin (green top) Preferred 1 ml Whole Blood Minimum 0.5 ml Process <u>Do Not Spin</u> Storage Room Temperature Transport Room Temperature **NOTE** Includes CD3, CD4, CD8, CD19 and HSR. Can use EDTA (Purple top) if <24 hrs old Must have CBC ordered	Flow Cytometry	See Report	M - F	1-3 days
Immune Profile II w/CBC	IMM2	86355 86359 86360	Immunology	Container 1 Sodium Heparin (green top) Preferred 1 ml Whole Blood Minimum 0.5 ml Process <u>Do Not Spin</u> Storage Room Temperature Transport Room Temperature **NOTE** Includes CD4, CD8 and HSR. Can use EDTA (Purple top) if <24 hrs old Must have CBC Ordered	Flow Cytometry	See Report	M - F	1-3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Immune Profile III w/CBC	IMM3	86355 86359 86360	Immunology	Container 1 Sodium Heparin (green top) Preferred 1 ml Whole Blood Minimum 0.5 ml Process <u>Do Not Spin</u> Storage Room Temperature Transport Room Temperature **NOTE** Includes CD3, CD4, CD8 and HSR. Can use EDTA (Purple top) if <24 hrs old Must have CBC Ordered	Flow Cytometry	See Report	M - F	1-3 days
Immune Profile IV w/CBC	IMM4	86355 86359 86360	Immunology	Container 1 Sodium Heparin (green top) Preferred 1 ml Whole Blood Minimum 0.5 ml Process <u>Do Not Spin</u> Storage Room Temperature Transport Room Temperature **NOTE** Includes CD4 Can use EDTA (Purple top) if <24 hrs old Must have CBC Ordered	Flow Cytometry	See Report	M - F	1-3 days
Immune Profile V w/CBC	IMM5	86355 86359 86360	Immunology	Container 1 Sodium Heparin (green top) Preferred 1 ml Whole Blood Minimum 0.5 ml Process <u>Do Not Spin</u> Storage Room Temperature Transport Room Temperature **NOTE** Includes CD3 and CD19 Can use EDTA (Purple top) if <24 hrs old Must have CBC Ordered	Flow Cytometry	See Report	M - F	1-3 days
Immunknow 9000	I9000	86353	Reference Lab	Container 1 sodium heparin green top tube Preferred 3 mls whole blood Process Do not spin Transport Send room temp overnight **NOTE** Draw Mon-Fri before 7AM - 1PM. Reg clinics call Temple before collection		Call Ref Lab		2 days
Immuno-fixation - Serum	SIFX 71920	84165 82784 X 3 86334 84160	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate Note: Serum Only No Hemolysis Room Temperature(20-25°C) up to 1 day Refrigerate (2-8°C) up to 1 week Freeze (-20°C) up to 3 weeks	Electrophoresis	See Report	M - F	24 HR
Immuno-fixation - Urine (24 Hr)	UIFX 71241	84166 84156 86335	Chemistry	Container: 24 hour Urine Container Preferred: 50 mL aliquot from well mixed 24 hr collection Minimum: 20 mL aliquot from well mixed 24 hr collection Process: Storage: Refrigerate (2-8°C) Transport: Refrigerate Note: Preservative - None Room Temperature(20-25°C) up to 7 days Refrigerate (2-8°C) up to 1 month Freeze (-20°C) up to 6 months	Electrophoresis	See Report	M - F	24 HR
Immuno-fixation - Urine (Random)	UIFXR 71242	84166 84156 86335	Chemistry	Container: Random Urine Container Preferred: 50 mL of urine Minimum: 20 mL of urine Process: Preservative - None Storage: Refrigerate (2-8°C) Transport: Refrigerate Note: Room Temperature(20-25°C) up to 7 days Refrigerate (2-8°C) up to 1 month Freeze (-20°C) up to 6 months	Electrophoresis	See Report	M - F	24 HR
Immunoglobulin D	IGD	82784	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin and separate within 2 hrs Transport Send serum refrigerated	Qnt Nephelometry	Call Ref Lab		5 days
Immunoglobulin G Subclass 4	IG.S4	82787	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin and separate within 2 hrs Transport Send serum refrigerated	Quant Nephelometry	Call Ref Lab		4 days
Infliximab Activity and Neutralizing Ab	IFLMB	86352 x 2	Reference Lab	Container SST Tube Preferred 1 ml serum Process Spin and separate within 2 hrs Transport Send serum refrigerated **NOTE** Collect before infliximab treatment	Cell Culture/Cell function assay/Quant chemiluminescent Immunoassay	Call Ref Lab		5 days
Influenza A Abs	IFL.A	86710 X 2	Reference Lab	Container 1 SST tube Preferred 1 mls serum Minimum 0.2 mls serum Process Spin and separate within 2 hrs Transport Send refrigerated	ELISA	Call Ref Lab		7 days
Influenza A/B + RSV PCR	FABRV	87502 x 1	Molecular	Swab in M4 Viral Transport Media Tracheal, Bronchial or Nasal Aspirates Respiratory secretions (washes or lavages) Store at 2- 8° C (Refrigerate)	Real Time PCR	Negative	M - Sun (schedule changes during active Flu season)	24 hours

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Influenza B Abs	IFL.B	86710 X 2	Reference Lab	Container 1 SST tube Preferred 1 mls serum Minimum 0.2 mls serum Process Spin and separate within 2 hrs Transport Send refrigerated	ELISA	Call Ref Lab		7 days
Inherited BRCA 1/2 Mutations	IBRCA		Reference Lab	Container Lavender top tube Preferred 4 mls whole blood Process Do not spin Transport Send whole blood room temp overnight If over 48 hrs, send refrigerated		Call Ref Lab		
Inherited BRCA Performed STAT (Use only for surgery options)	IBRST		Reference Lab	Container Lavender top tube Preferred 4 mls whole blood Process Do not spin Transport Send whole blood room temp overnight If over 48 hrs, send refrigerated		Call Ref Lab		
Inherited Cancer Panel for Breast Cancer Mutations (9 Genes)	ICPBC		Reference Lab	Container Lavender top tube Preferred 4 mls whole blood Process Do not spin Transport Send whole blood room temp overnight If over 48 hrs, send refrigerated		Call Ref Lab		
Inherited Cancer Panel for Breast/Colon Cancer (46 Genes)	ICBCC			Container Lavender top tube Preferred 4 mls whole blood Process Do not spin Transport Send whole blood room temp overnight If over 48 hrs, send refrigerated		Call Ref Lab		
Inherited Cardiomyopathy Arrhythmogenic Cardiomyopathy Panel (24 Genes)	ICAC			Container Lavender top tube Preferred 4 mls whole blood Process Do not spin Transport Send whole blood room temp overnight If over 48 hrs, send refrigerated		Call Ref Lab		
Inherited Colorectal Cancer Panel (19 Genes)	ICCP		Reference Lab	Container Lavender top tube Preferred 4 mls whole blood Process Do not spin Transport Send whole blood room temp overnight If over 48 hrs, send refrigerated		Call Ref Lab		
Inherited Rasopathy Panel (18 Genes)	IRASP			Container Lavender top tube Preferred 4 mls whole blood Process Do not spin Transport Send whole blood room temp overnight If over 48 hrs, send refrigerated		Call Ref Lab		
Inherited Seizure/Epilepsy Panel (187 Genes)	ISEPP		Reference Lab	Container Lavender top tube Preferred 4 mls whole blood Process Do not spin Transport Send whole blood room temp overnight If over 48 hrs, send refrigerated		Call Ref Lab		
Inhibin B	INHB	83520	Reference Lab	Container SST tube Preferred 0.5mls serum Process Spin and separate Transport Send serum frozen	Quant Enzyme-Linked Immunosorbent Assay	Call Ref Lab		14 days
Insect Identification	INSID	87168	Microbiology	Transport insect in a plastic or glass container.	Macroscopically /Microscopy	Specimen is not a known human parasite	M - SU	24 HR
Insulin	INSUL 68080	83525	Chemistry	Container 1 SST tube Preferred 2 mL serum Minimum 1 mL serum Process Spin, separate immediately, freeze serum within 24 hrs Storage Frozen Transport Frozen **NOTE** EDTA plasma acceptable If testing will be delayed, serum or plasma should be removed from the clot, serum separator or red blood cells. Freeze (-20°C) up to 7 days	Chemiluminescent Microparticle Immunoassay (CMIA)	0 - 23 uU/mL	M - SU	4 HR
Insulin (human) IgE	INSAL	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Insulin Ab	INSAB	86337	Reference Lab	Container 1 SST tube Preferred 0.5 ml serum Minimum 0.1 ml Process Spin and separate Transport Send frozen	RIA	Call Ref Lab		5 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Insulin Tolerance - Cortisol	CORIT 73820	82533	Chemistry	Container 1 SST tube Preferred 2 mL serum Minimum 1 mL serum Process Spin and separate Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Lithium Heparin acceptable Room Temperature(20-25°C) up to 8 hours Refrigerate (2-8°C) if not done within 8 hours Freeze (-20°C) if not done within 48 hours	Chemiluminescence	See Report	M - F	4 HR
Integrated Bracanalysis	IBRAC	81211	Reference Lab	Container 10ml lavender top provided in Myriad kit Preferred 10mls whole blood Process Do not spin Transport Send room temp overnight		Call Ref Lab		2 weeks
Interferon Gamma	INFG	83520	Reference Lab	Container SST tube Preferred 1ml serum Process Spin and separate within 2 hrs Transport Send frozen **NOTE** Separate specimens must be submitted for multiple tests	Quant Multiplex Bead Assay	Call Ref Lab		7 days
Interleukin 1 Beta	INTIB	83520	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin and separate within 2 hours Transport Send serum frozen **NOTE** Separate specimens must be sent when multiple tests are ordered	Quant. Multiplex Bead Assay	Call Ref Lab		5 days
Interleukin 6	INL6.	83520	Reference Lab	Container 1 plain red top tube Preferred 1 ml serum Minimum 0.3 ml serum Process Spin and separate within 2 hrs Transport Send frozen **NOTE** Separate specimens must be sent for multiple tests.	MAFD	Call Ref Lab		7 days
Intrinsic Factor Blocking Ab	INFBA	86340	Reference Lab	Container SST Tube Preferred 1 ml serum Process Spin and separate Transport Send serum frozen	ELISA	Call Ref Lab		4 days
Iodine	IODN	83789	Reference Lab	Container 1 royal blue monoject with no additive Preferred 1 ml serum Minimum 0.3 ml serum Process Spin and separate. Transfer into Mayo metal free tube Transport Send refrigerated	ICP-MS	Call Ref Lab		4 days
Iron	IRON 11311	83540	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Spin and separate as soon as possible Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum Only (20-25°C) up to 7 days Refrigerate (2-8°C) up to 3 weeks -20°C up to 1 year	Ferene	39 - 150 mcg/dL	M - SU	4 HR
Iron, Liver Tissue	IRONT	83540	Reference Lab	Container: Mayo metal free tube Preferred: 2 mg liver tissue Minimum: Process: Transport: Send refrigerated	ICP-MS	Call Ref Lab		5 days
Islet Cell Ab	ISL.G	86341	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml serum Process Spin and separate ASAP Transport Send refrigerated	IFA	Call Ref Lab		5 days
Isocyanate HDI IgE	IHDI	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Isocyanate MDI IgE	IMDI	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Isocyanate TDI IgE	ITDI	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Itraconazole	ITRCN	80299	Reference Lab	Container 1 plain red top tube Preferred 1 ml serum Minimum 0.2 ml serum Process Spin and separate Transport Send refrigerated **NOTE** No SST tubes	HPLC	Call Ref Lab		3 days
Jack Fruit IgE	JACKF	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
JAK Exon 12 Mutation Analysis by PCR	JAK12	81403	Reference Lab	Container EDTA lavender top tube Preferred 5 mls whole blood or 3 mls bone marrow Process Do not spin, do not freeze Transport Send whole blood or bone marrow refrigerated	PCR	Call Ref Lab		10 days
JAK2	JAK2	81270 G0452	Molecular	10 mls of EDTA blood (purple top) 7 mls minimum Store at 2- 8° C (Refrigerate)	Real-time Quantitative PCR	Negative (wildtype)	Batched M - F	7 days, 24 hours TAT for Stat
Japanese Cedar IgE	CEDRJ	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
JO 1 Antibody	JO1P	86235	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	Multiplex Immunoassay	Negative	M - F	1-3 days
Johnson IgE	JGRASS	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Kappa/Lambda Quant Free Light Chains w/Ratio	KLQFL	83883 x 2	Reference Lab	Container SST tube Preferred 2 mls serum Process Spin and separate within 2 hrs Transport Send serum refrigerated	Quant Nephelometry	Call Ref Lab		4 days
Kennedy Disease	KENN	81401	Reference Lab	Container: EDTA purple top tubes Preferred: 5 mls whole blood (adult) Process: Do not spin Transport: Send room temp **NOTE** Requisition & consent form must accompany specimen	PCR	Call Ref Lab		21 days
Kentucky Blue (June) Grass IgE	KBGRS	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Keppra (Levetiracetam)	KPPRA	80177	Chemistry	Container 1 Plain Red Top Tube Preferred 2 mL serum Minimum 1 mL serum Process Spin and Separate within 2 hours Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Serum Only - DO NOT USE GEL SEPARATORS Room temperature (24-30°C) up to 2 hours Refrigerate (2-8°C) up to 1 week Sample may be frozen (≤10°C) up to 4 weeks	Enzyme Immunoassay	12 - 46 mcg/mL	M - Su	4HR
Kidney Bean (red) IgE	BEANK	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
KIT (D816V) Mutation by PCR	KITD8	81273	Reference Lab	Container EDTA lavender top tube Preferred 5 mls whole blood or 3 mls bone marrow Process Do not spin Transport Send whole blood or bone marrow refrigerated	PCR	Call Ref Lab		10 days
KIT Mutations in AML	KTAML	81272	Reference Lab	Container Lavender top tube Preferred 5 mls whole blood or 3 mls bone marrow Process Do not spin Transport Send refrigerated	PCR/Fragment Analysis/Sequencing	Call Ref Lab		14 days
Kiwi IgE	KIWI	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Kleihauer Betke Stain	FMAR	85460	Transfusion Service Blood Bank	Container 6ml EDTA pink top Minimum 3ml EDTA purple top Storage RT	Acid-Elution Stain	NA		8 hours
KRAS Mutation Detection		81275 G0452	Molecular	Specimen Formalin-fixed paraffin embedded tissue block Container Sterile container Minimum Need adequate tumor specimen in block Storage Room Temperature Transport Ambient	Pyrosequencing	Negative	Batched M - F	7 days
Lacosamide (Vimpat)	LMIDE	80339	Reference Lab	Container Plain red top tube Preferred 1 mL serum Process Spin and separate within 2 hours Transport Send serum refrigerated	HPLC/MS	Call Ref Lab		5 days
Lactate (Lactic Acid)	LA 14130	83605	Chemistry	Container 1 Sodium Fluoride (Grey top) tube Preferred 2 mL plasma Minimum 1 mL plasma Process Spin and separate as soon as possible Storage Refrigerate (2-8°C) Transport Frozen **NOTE** Do not use tourniquet Potassium Oxalate is acceptable Separated plasma specimens may be stored refrigerated at 2-8°C or frozen at -20°C or colder for up to 3 days prior to being tested.	Lactate to Pyruvate	0.5 - 2.2 mmol/L	M - SU	4 HR
Lactate Dehydrogenase (LD)	LDHBF	83615	Reference Lab	Container: Sterile container Preferred: 1 ml body fluid Process: Spin to remove cellular material Transport: Send body fluid ambient	Photmetric	Call Ref Lab		3 days
Lactate to Pyruvate Ratio, Whole Blood	LPVWB	84210 83605	Reference Lab	Container Special tube provided by ARUP Preferred 2 mL supernatant Process Test may only be processed at McLane Children's Hospital Lab Call for Instructions Transport Send supernatant frozen	Quant Enzymatic			3 days
Lactic Acid CSF	LCTIC	83605	Reference Lab	Container Sterile container Preferred 0.5 ml CSF Minimum 0.2 ml CSF Process Collect on ice, centrifuge & separate cellular material. Transport Ship supernatant frozen **NOTE** Separate specimens must be sent for multiple tests	Quant Enzymatic	Call Ref Lab		2 days
Lamb (Mutton) IgE	LAMB	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Lamb's Quarters (goosefoot) IgE	LAMBQ	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Lamictal	LAMOT	80175	Reference Lab	Container: Plain red top tube Preferred: 1 ml serum Process: Spin and separate within 2 hrs Transport: Send serum refrigerated	Quant EIA	Call Ref Lab		3 days
Langust (Spiny Lobster) IgE	LANG	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Latex IgE	LATEX	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
LDH	LDH 12100	83615	Chemistry	Container 1 SST tube Preferred 2mL serum Minimum 1mL serum Process Spin and separate Storage Room temperature or refrigerate (2-8°C) Transport Room temperature or refrigerate (2-8°C) **NOTE** Lithium heparin acceptable Plasma must be taken off gell and respun prior to testing Room temperature up to 7 days Refrigerate (2-8°C) up to 4 days Freeze (-20°C) up to 6 weeks No hemolysis	Lactate to Pyruvate	See Report	M - SU	4 HR
LDH - Body Fluid	LDHF 12103	83615	Chemistry	Container: Sterile Container Preferred: 5 mL body fluid Minimum: 1 mL body fluid Process: Free of particulate matter or RBCs Storage: Room temperature or refrigerate 48-hours Transport: Room temperature or refrigerate NOTE: Samples can be refrigerated (20-25° C) up to 48-hours DO NOT FREEZE	L-Lactate NAD to NADH	No Reference Range Available	M - SU	4 HR

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
LDH Isoenzymes	LDHIS	83615 83625	Reference Lab	Container 1 SST tube Preferred 2 mls serum divided into 2 tubes of 1 ml each Minimum 0.75 ml serum Process Spin and separate Transport Send room temp **NOTE** Specimens cannot be frozen.	Electrophoresis Densitometry/Photometric Rate	Call Ref Lab		4 days
LDL Cholesterol Direct	LDLDR	83721	Reference Lab	Container SST tube Preferred 1 mls serum Process Allow specimen to clot completely at room temp. Spin and separate within 2 hrs. Transport Send serum refrigerated	Qnt Detergent Solubilization/Enzymatic	Call Ref Lab		2 days
Lead Blood Venous	LEADB	83655	Reference Lab	Container Royal blue EDTA Preferred 3 mls whole blood Process Do not spin Transport Send room temp or refrigerated	Qnt Inductively Coupled Plasma Mass Spec	Call Ref Lab		3 days
Lead to State	LEADS	83655	Reference Lab	Container 1 EDTA purple top provided by TDSHS Preferred 1 ml whole blood Process Do not spin Transport Send room temp		Call Ref Lab		10 days
Lead, Urine	PBU	83655	Reference Lab	Container 24 hr urine container with no preservative Preferred 10 mls urine Minimum 2 mls urine Process Aliquot into plastic tube Transport Send refrigerated	ICP-MS	Call Ref Lab		3 days
Leflunomide Metabolite (Arava)	LC530	80375	Reference Lab	Container 1 plain red top tube Preferred 1ml serum Process Spin and separate within 45 minutes Storage Send frozen **NOTE** No SST tubes Separate specimens must be sent for multiple tests	LC/MS/MS	Call Ref Lab		5 days
Legionella Urinary Antigen	LEGUK	87449	Microbiology	Collect urine in a sterile container, with no preservatives. Store at 2 - 8° C.	Enzyme Immunoassay (EIA)	Negative. Positives reported when detected.	M - SU	2 HR
Leishmania Ab IgG	LSHAB	86717	Reference Lab	Container SST tube Preferred 0.5 ml serum Process Spin and separate Transport Send serum refrigerated	Semi-Qnt Immunoassay	Call Ref Lab		9 days
Lemon IgE	LEMON	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Lentil IgE	LENTL	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Leptospira Ab IgM	LEPGM	86720	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin and separate within 2 hrs Transport Send serum refrigerated	Qualitative Immunoblot	Call Ref Lab		7 days
Lettuce IgE	LETUC	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Leukemia/Lymphoma Panel - Blood	LLYMB	88184 88185 x? & 88187 or 88188 or 88189	Immunology	Container 1 Sodium Heparin Green top Preferred 5 ml Whole Blood Minimum 2 ml Process DO NOT SPIN Storage Room Temperature Transport Room Temperature **NOTE** Must have CBC ordered	Flow Cytometry	See Report	M - F	1-3 days
Leukemia/Lymphoma Panel - Other	LLYMP	88184 88185 x? & 88187 or 88188 or 88189	Immunology	Container Bone Marrow - Sodium Heparin Green Top. Other specimen types - Please call the Immunology Lab for specimen requirements Process DO NOT SPIN Storage Bone Marrow - Room Temperature Other Specimen Types - Refrigerate (2-8°C) Transport Bone Marrow - Room Temperature Other Specimen Types - Refrigerate (2-8°C) **NOTE** Must have CBC ordered	Flow Cytometry	See Report	M - F	1-3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Leukocyte Alkaline Phosphatase Stain (LAP)	LAP	85540	Hematology	Container: 1 sodium heparin (green) tube; PROTECT FROM LIGHT (wrap collection tube in aluminum foil until ready for testing) Minimum: 1/3 of optimal collection volume of vacuated collection tube. Storage: Room temperature or refrigerate Transport: Keep whole blood sample cool Process: Do not centrifuge. Deliver foil wrapped tube to testing department.	Pathologist Exam; Microscopic w/ Stained Smears	20 - 180 LAP Units	M - F	Business Hours = 6 HR After Hours = Next Business Day
Leukocyte Lysosomal Enzyme	LLENZ	86821	Reference Lab	Container: Sodium heparin green top tube Preferred: 8 mls whole blood Minimum: Process: Do not spin Transport: Send room temp overnight Note: Clinical history must accompany specimen. Do not draw Friday or Mon-Thurs after 2 pm. Call Ref Lab to alert of draw.		Call Ref Lab		31 days
Lidocaine	LIDOC	80176	Reference Lab	Container 1 plain red top tube Preferred 1 ml serum Minimum 0.4 ml serum Process Spin and separate Transport Send refrigerated **NOTE** No SST tubes	Immunoassay	Call Ref Lab		2 days
Lima Bean IgE	LIMA	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE:** Only one result generated for panels	M - F	1 - 3 days
Lime IgE	LIMEF	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE:** Only one result generated for panels	M - F	1 - 3 days
Linseed IgE	LINSE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE:** Only one result generated for panels	M - F	1 - 3 days
Lipase	LIPAS	83690	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum or Sodium Heparin acceptable Room Temperature(20-25°C) up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 1 year	Quinone Dye	8 - 78 U/L	M - SU	4 HR
Lipase, Body Fluid	LIP.F	83690	Chemistry	Container: Sterile Container Preferred: 5 mL Body Fluid Minimum: 1 mL Body Fluid Process: Centrifuge Storage: Refrigerate (2-8°C) up to 7 days Transport: Refrigerate **NOTE** Room Temperature(20-25°C) up to 24 hours Freeze (-20°C) up to 1 year	Quinone Dye	No Reference Range Available	M - SU	4 HR
Lipoprotein a	LIPA	83695	Reference Lab	Container 1 SST tube Preferred 1 ml serum Process Spin and separate Transport Send serum refrigerated **NOTE** Pt should be fasting 12-14 hrs.	Automated Turbidimetric Assay	Call Ref Lab		2 days
Lipoprotein Metabolism Profile	LIPMP	80061 82172 83700	Reference Lab	Container 1 plain red top tube Preferred 5 mls serum Minimum 2 mls serum Process Spin and separate Transport Send refrigerated **NOTE** Pt must be fasting 12-14 hrs and must not consume any alcohol for 24 hrs prior to draw.	Ultracentrifugation/Electrophoresis/Automated Enzymatic Colorimetric Analysis	Call Ref Lab		4 days
Lithium	LI 17350	80178	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Sodium Heparin acceptable Room Temperature (20-25°C) up to 24 hours Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 6 months	Colorimetric	0.5 - 1.5 mEq/L	M - SU	4 HR

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Specimen Collection Information

TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Liver-Kidney Microsome Ab, IgG	LKM	86376	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin and separate Transport Send serum refrigerated	Semi-Qnt Indirect Fluorescent Ab	Call Ref Lab		4 days
Lobster IgE	LOBTR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Long Chain Fatty Acid	VLCA	82726	Reference Lab	Container 1 EDTA purple top tube Preferred 4 mls plasma Process Spin and separate Transport Send room temp overnight **NOTE** Fasting or preprandial patient		Call Ref Lab		21 days
Lorazepam	LORAZ	80346	Reference Lab	Container 1 SST tube Preferred 2 mls serum Process Spin and separate Transport Send room temp, refrigerate if over 3 days	GC-EC	Call Ref Lab		3 days
Loxitane	LOXIT	80342	Reference Lab	Container 1 SST tube Preferred 2 mls serum Process Spin and separate Transport Send room temp, if over 3 days - refrigerate	GC-NPD	Call Ref Lab		3 days
LSD	LSDUR	80307	Reference Lab	Container Random urine container Preferred 20 mls urine Process Protect from light Transport Send room temp or refrigerate if over 3 days	IA	Call Ref Lab		3 days
Lung HLA Antibody Class I & II Identification	LGID	86832 86833	HLA	3 to 5 cc of blood in a red top serum or SST tube. Plasma is okay. Please let lab know if patient has been transfused in past 7 days.	Multiplex Immunoassay or Flow Cytometry	See Report	M - F	48 hours
Lung HLA Antibody Class I & II Screen	LGPR	86830 86831	HLA	3 to 5 cc of blood in a red top serum or SST tube. Plasma is okay. Please let lab know if patient has been transfused in past 7 days.	Multiplex Immunoassay or Flow Cytometry	Negative or 0%	M - F	48 hours
Lung Transplant Final Crossmatch	LGXM	86825 86826	HLA	3 to 5 cc of blood in one serum or SST tube on recipient	Flow Cytometry	See Report	M - Su	24 hours
Lung TX HLA Class I (ABC) Type	LGHLA	81372	HLA	10 ml of blood in ONE yellow top (ACD-A) tube. Do not refrigerate. Store at room temperature. Notify lab if patient has been transfused. EDTA is okay.	PCR - SSP	See Report	M - F	7 days
Lung TX HLA Typing Complete (ABC & DRDQ)	LGTYP	81370	HLA	20 ml of blood in two yellow top (ACD-A) tubes. Do not refrigerate. Store at room temperature. Notify lab if patient has been transfused. EDTA is okay.	PCR - SSP	See Report	M - F	7 days
Lung TX Transplant HLA Class II (DRDQ) Type	LGHLD	81375	HLA	10 ml of blood in ONE yellow top (ACD-A) tube. Do not refrigerate. Store at room temperature. Notify lab if patient has been transfused. EDTA is okay.	PCR - SSP	See Report	M - F	7 days
Lupus Anticoagulant Screen with Reflex Panel	LARP	85610 86730 85613	Reference Lab	Container 2 tubes sodium citrate (light blue top); fill between min and max fill line. Preferred 2 mL platelet poor plasma each into 2 plastic aliquot tubes preferably screw top aliquot tubes Minimum Same as preferred volume Process Centrifuge specimen ASAP; remove plasma, re-centrifuge plasma, transfuse aliquot to plastic tube (screw top aliquot tube preferred). Refer to platelet poor plasma instructions. Separate aliquot aliquot tubes for coagulation orders. No sharing of aliquots. Storage Freeze plasma (Do not use a frost free freezer!) Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. **NOTE** DO NOT thaw sample after freezing. Label aliquot tube "plasma" or "frozen plasma"	Clot Detection	Call Ref Lab	Mon-Sun	3 days
Lutenizing Hormone (LH)	LH 67030	83002	Chemistry	Container 1 SST tube Preferred 2 mL serum Minimum 1 mL serum Process Spin and separate Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** K-EDTA Acceptable If testing will be delayed more than 24 hours, remove serum or plasma from the clot, separator or red blood cells and store at 2-8°C. Refrigerate (2-8°C) up to 7 days Freeze (< -10°C) if not performed in 7 days	Chemiluminescent Microparticle Immunoassay (CMIA)	See Report	M - SU	4 HR
Lyme Ab Confirmation	LYMEC	86617 X 2	Reference Lab	Container 1 SST tube Preferred 0.5 mls serum Minimum 0.2 ml serum Process Spin and separate into a plastic, screw-capped, round-bottomed vial Transport Send refrigerated	Western blot	Call Ref Lab		4 days

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Lyme Total (IgG/IgM) Antibody	LYMET	86618	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	ELISA	Negative	Batched per workload	1-7 days
Lymphocyte Ag/Mitogen Profile	LA.MP	86353 X 5	Reference Lab	Container Sodium heparin green top tubes Preferred 10 mls whole blood Process Do not spin Transport Send room temp, do not refrigerate or freeze **NOTE** Draw sodium heparin green top control from a health, unrelated person. Do not draw Friday or Saturday. Yellow ACD solution A tubes are also acceptable.	Cell Culture	Call Ref Lab		14 days
Lynch/Colorectal High Risk Panel	LCHRP	81292 81294 81295 81297 81317	Reference Lab	Container: EDTA lavender top Preferred: 5 mls whole blood Process: Do not spin Transport: Send whole blood room temp	Exon Array CGH, Next-gen Sequencing	Call Ref Lab		10 weeks
Lysozyme	LYZYM	85549	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin and separate within 2 hrs Transport Send serum refrigerated	Quantitative ELISA	Call Ref Lab		7 days
M. Pneumonia Abs IgG & IgM	MPNM	86738 X 2	Reference Lab	Container 1 SST tube Preferred 0.5 mL serum Process Spin and separate within 2 hrs Transport Send serum refrigerated	EIA	Call Ref Lab		3 days-
Mace IgE	MACE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Mackeral, Chub IgE	CHUB	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Mackeral, Jack IgE	JMACK	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Mackerel IgE	MACK	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Magnesium	MG 17450	83735	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum or Sodium Heparin acceptable Room Temperature(20-25°C) up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-20°C) up to 1 year	Arsenazo	See Report	M - SU	4 HR
Magnesium, RBC	MGRBC	83735	Reference Lab	Container Royal blue ED1A Preferred 2 mls RBCs Process Spin and separate RBCs from plasma within 2 hours of collection. Transfer RBCs to a metal free tube Transport Send refrigerated	MS	Call Ref Lab		5 days
Maize, Corn Pollen IgE	MAZEP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Maleic Anhydride IgE	MALEI	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Malt IgE	MALT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Mandarin IgE	MANDR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Manganese	MANG	83785	Reference Lab	Container 1 royal blue Monoject with no additive Preferred 2 mls serum Minimum 0.5 mls serum Process Do not allow serum to remain on cells. Spin and separate within 6 hrs, pour into Mayo metal free tube, do not use pipet. Transport Send room temperature	DRC-ICP-MS	Call Ref Lab		7 days
Mango IgE	MANGO	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Marjoram IgE	MARJO	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Mata Abs	MATA	83520	Reference Lab	Container 1 SST tube Preferred 2 mls serum Process Spin and separate Transport Send room temp overnight. Refrigerate if not shipped same day.	Western blot	Call Ref Lab		14 days
Maternal Serum Screen, AFP, hCG, Estiol, Inhibin A	MSS	81511	Reference Lab	Container SST Tube Preferred 3 mls serum Process Spin and separate within 2 hrs Transport Send serum refrigerated **NOTE** Draw between 14 weeks, 0 days and 24 weeks, 6 days gestation	Qnt Chemiluminescent Immunoassay	Call Ref Lab		5 days
Materni T21 Plus	MT21P	81479	Reference Lab	Container Special tube provided by Sequenom Preferred 20 mls whole blood Process Invert tube 4 to 5 times. Do not spin or pour off. Transport Send whole blood room temp. **NOTE** Must be in ref lab by 2 pm on Friday. Do not draw Saturday or Sunday		Call Ref Lab		2 weeks
Measles (Rubeola) IgM	MSIGM	86765	Reference Lab	Container 1 SST tube Preferred 0.5 ml serum Minimum 0.1 ml serum Process Spin and separate within 2 hrs Transport Send refrigerated	IFA	Call Ref Lab		3 days
Measles IgG Antibody	MEASG	86765	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	Multiplex Immunoassay	Negative	M-Su	1 day
Meat Panel IgE Beef, Chicken, Pork, Turkey	MEAT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
MECP2 Gene Sequencing	MECP2	81302	Reference Lab	Container EDTA Lavender Top Preferred 5 mls whole blood Process Do not spin Transport Send room temp overnight	Capillary Sequencing	Call Ref Lab		4-6 weeks
Megrim IgE	MEGRM	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Melons IgE	MELON	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Meningitis/Encephalitis Panel by PCR	MEPCR	87483	Molecular	Container 1 ml CSF in a sterile container Minimum 0.5 ml Storage Freezer (-20°C) Transport Frozen	Multiplex PCR	Negative	as needed	24 HRS
Meperidine Urine	MPRDN	80362	Reference Lab	Container Random urine container Preferred 20 mls urine Transport Send room temp	MS	Call Ref Lab		7 days
Mercury	MRCB	83825	Reference Lab	Container 1 royal blue monoject tube with EDTA Preferred 7 mls whole blood Process Do not spin Transport Send refrigerated in original container	ICP-MS	Call Ref Lab		3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Mercury Urine	MRCUR	83825	Reference Lab	Container 24 hr urine container with no preservative Preferred 10 mls urine Minimum 5 mls urine Process Aliquot into plastic tube Transport Send refrigerated	ICP-MS	Call Ref Lab		3 days
Mesquite IgE	MESQU	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Metachromatic Leukodystrophy	METAC	82657	Reference Lab	Container: 1 sodium heparin green top Preferred: 5 mls whole blood Minimum: Process: Do not spin Transport: Send room temp overnight		Call Ref Lab		14 days
Metanephrines Fractionated Urine	METUR	83835	Reference Lab	Container 24 hr urine container with 25 mls 50% acetic acid or 10 grams boric acid Preferred 10 mls urine Minimum 2 mls urine Process Aliquot into plastic tube Storage Send refrigerated **NOTE** Tricyclic antidepressants, labetalol and sotalol medications may elevate levels of metanephrines. If clinically feasible, discontinue medications 1 week prior to collection.	LC-MS/MS	Call Ref lab		5 days
Metanephrines, Plasma	PLMET	83835	Reference Lab	Container 1 EDTA purple top tube Preferred 1 mls plasma Minimum 0.3 ml plasma Process Spin and separate Transport Send frozen	LC-MS/MS	Call Ref Lab		3 days
Metformin (Glucophage)	GLUPH	80375	Reference Lab	Container 1 plain red top tube Preferred 1 mls serum Process Spin and separate Transport Send refrigerated **NOTE** No SST tubes	HPLC	Call Ref Lab		7 days
Methadone and Metabolite	MDNM	83840	Reference Lab	Container: Random urine container Preferred: 15 mls urine Transport: Send urine room temp	GC/MS	Call Ref Lab		7 days
Methemoglobin	METHG 14536	83050	Chemistry	Container: 3 mL sodium heparin green top tube (no gel) Preferred: 2 mL whole blood Minimum: 1 mL whole blood Process: Do NOT Spin, Do NOT uncap Storage: Refrigerate (2 - 8°C) Transport: Refrigerate (2 - 8°C) **NOTE** Assay within 72 hours Alternative collection: Can draw 1 mL blood in blood gas syringe and transport on ice, but MUST be tested within 1 hour of collection.	Spectrophotometric	0.0 - 1.5%	M - SU	1 HR
Methemoglobin & Sulfhemoglobin	METHE	83050 83060	Reference Lab	Container 1 EDTA purple top tube Preferred 1 full tube Minimum 1 ml Process Do not spin Transport Send refrigerated **NOTE** Specimen must arrive within 72hrs of draw.	SP	Call Ref Lab		4 days
Methotrexate	MTX 73505	80299	Chemistry	Container 1 LHP tube Preferred 2 ml plasma Minimum 1 ml plasma Process Spin and separate Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Refrigerate (2-8°C) up to 14 days Freeze (-20°C) if not done within 14 days	Enzyme Immunoassay (EIA)	No Reference Range Available	M - SU	4 HR
Methylenetetrahydrofolate Reductase Mutations	MTHFG	81291 G0452	Molecular	Container 1 EDTA lavender top tube Preferred 3 mls whole blood Minimum 1 ml whole blood Storage Send blood refrigerated	Multiplex PCR		Batched M - F	7 days
Methylmalonic Acid Serum (Metabolic Disorders)	MMAMD	83921	Reference Lab	Container: SST tube Preferred: 2 mls serum Process: Spin and separate within 2 hrs Transport: Send serum frozen	Quant LC-MS	Call Ref Lab		3 days
Methylphenidate Metabolite Urine	METPD	80360	Reference Lab	Container Random urine container Preferred 20 mls urine Transport Send room temp	LC/MS	Call Ref Lab		7 days
MG Evaluation with Musk Reflex	MGEVL	83519 x 2 83520	Reference Lab	Container SST tube Preferred 3 mls serum Process Spin and separate Transport Send serum refrigerated **NOTE** Patient should have no general anesthetic or muscle-relaxant drugs in the previous 24 hrs.	RIA, EIA, Western Blot	Call Ref Lab		7 days

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MG/Lambert Eaton Syndrome	MGLES	83519 X 4 83520	Reference Lab	Container 1 SST tube Preferred 3 mls serum Minimum 2 mls serum Process Spin and separate Transport Send refrigerated **NOTE** Pt should have no general anesthetic or muscle-relaxant drugs in the previous 24 hrs.	RIA/EIA/Western Blot	Call Ref Lab		5 days
MGMT Gene Methylation		81287 G0452	Molecular	Specimen Formalin-fixed paraffin embedded tissue block Container Sterile container Minimum Need adequate tumor specimen in block Storage Room Temperature, Refrigerate FNA samples Transport Ambient	Pyrosequencing	Negative	Batched M - F	7 Days
MI-2	MI-2	83516	Reference Lab	Container Plain red top Preferred 1 ml serum Process Spin and separate Transport Send serum refrigerated	IPP	Call Ref Lab		14 days
Microalbumin - Urine (24 Hr)	MA1 71780	82043	Chemistry	Container: 24 hour Urine Container Preferred: 10 mL aliquot from well mixed 24 hr collection Minimum: 5 mL aliquot from well mixed 24 hr collection Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Refrigerate (2-8°C) up to 14 days -70 up to 5 months	Turbidimetric / Immunoturbidimetric	0 - 2.00 mg/dL 0 - 20 mcg/min	M - Su	4 HR
Microalbumin - Urine (Random)	MARI 71783	82043	Chemistry	Container: Random Urine Preferred: 10 mL of urine Minimum: 5 mL of urine Process: Centrifuge Preservative: None Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Refrigerate (2-8°C) up to 6 days	Turbidimetric / Immunoturbidimetric	See Report	M - Su	4 HR
Microsatellite Instability PCR	MIPCR	81301 G0452	Molecular	Specimen Formalin-fixed paraffin embedded tissue samples Container Sterile container Minimum Must send normal and tumor tissue in separate blocks Storage Room Temperature Transport Ambient	Capillary Gel Electrophoresis	Negative	Batched M - F	7 days
Milk IgE	MILK	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Milk, Goat IgE	MILKG	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Milk, Mare IgE	MILKM	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Milk, Processed (boiled) IgE	MILKP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Millet, Foxtail IgE	MILLF	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Millet, Japanese IgE	MILLJ	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Mitotane	MITOT	80375	Reference Lab	Container Plain red top tube Preferred 2 mls serum Process Spin and separate Transport Send serum refrigerated **NOTE** No SST tubes	GC/FID	Call Ref Lab		10 days

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Mixing Studies - aPTT	SBPTT	85730	Coagulation	Container 1 - sodium citrate (blue top) tube; fill tube to FILL LINE MARK. Preferred 2 mL plasma Minimum 0.5 mL plasma Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes Storage Freeze plasma Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.	Electro-Mechanical Clot Detection	26 - 42 Sec.	M - F	2 HR
Mixing Studies - PT	SBPT	85610	Coagulation	Container 1 - sodium citrate (blue top) tube; fill tube to FILL LINE MARK. Preferred 2 mL plasma Minimum 0.5 mL plasma Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes Storage Freeze plasma Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.	Electro-Mechanical Clot Detection	11.6 - 14.6 Sec.	M - F	2 HR
Mold Panel IgE Helmithosporium halodes, Penicillium chrysogenum	MOLDI	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Morphine Qnt Urine	MRPQT	80361	Reference Lab	Container Random urine container Preferred 7 mls urine Transport Send urine room temp	LC MS/MS	Call Ref Lab		7 days
Mosquito SPP IgE	MOSPP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Moth IgE	MOTH	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Mountain Cedar (Juniper) IgE	MCEDR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Mouse Epithelium IgE	MOUSE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Mouse Serum Protein IgE	MOUSP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Mouse Urine Protein IgE	MOUP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
MRSA PCR	MRSAO (out patients) MRSAL (infection control) MRSAL4 (ref lab-4medica)	87641 x 1	Molecular	Double nasal swab in a copan collection device (liquid stuart media) stored at 2-8 (refrigerated).	Real-Time PCR	Negative	Batched M - F	24-48 HRS
MRSA Screen	MRSA	87081	Microbiology	Collect a nasal swab specimen with a mini-tip culturette. Transport to the laboratory as soon as possible.	Bacterial culture	No MRSA isolated	M - SU	48 HR
Mucopolysaccharides Screen	MPS	82542	Reference Lab	Container Random urine container Preferred 10 mls Process Collect earlymorning specimen Transport Send urine frozen	MPSQL, MPSQN	Call Ref Lab		10 days
Mucor IgE	MUCOR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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Mugwort IgE	MUGWO	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Mulberry IgE	MULBY	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Multisite 3 Bracanalysis	MBRAC	81212	Reference Lab	Container: EDTA purple top tube provided by Myriad Genetics Preferred: 10 mls whole blood Process: Do not spin Transport:: Send room temp overnight in kit provided by Myriad	DNA Analysis	Call Ref Lab		31 days
Mumps Ab IgM	MPS.M	86735	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml serum Process Spin and separate within 2 hrs Transport Send refrigerated	ELISA	Call Ref Lab		7 days
Mumps IgG Antibody	MUMPG	86735	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	Multiplex Immunoassay	Negative	M-Su	1 day
Mushroom IgE	MUSH	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Musk Autoantibody	MSKAB	83519	Reference Lab	Container Plain red top tube Preferred 2 mls serum Process Spin and separate Transport Send serum refrigerated **NOTE** SST acceptable	RIA	Call Ref Lab		7 days
Mustard IgE	MUSTD	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Myasthenia Gravis Eval Adult	MGPNA	83519 X 2 83520	Reference Lab	Container 1 plain red top tube Preferred 3 mls serum Minimum 2 mls serum Process Spin and separate Transport Send refrigerated **NOTE** Pt should have no general anesthetic or muscle-relaxant drugs in the previous 24 hrs.	RIA/EIA/Western Blot	Call Ref Lab		7 days
Myasthenia Gravis Eval Pedi	MGPNP	83519 X 2	Reference Lab	Container 1 plain red top tube Preferred 2 mls serum Minimum 1.5 mls serum Process Spin and separate Transport Send refrigerated **NOTE** Pt should have no general anesthetic or muscle-relaxant drugs in the previous 24 hrs.	RIA	Call Ref Lab		7 days
Mycobacterium Differential (CSF)	TBCSF	87561 x 2 87556 x 1	Molecular	1 ml CSF 0.5 ml minimum requirement *Freeze specimen within 6 hrs	Real Time PCR	Negative	As needed	3 days, 24 hours TAT for STAT is required
Mycobacterium Differential (Other)	TBDiff TBDIF	87561 x 2 87556 x 1	Molecular	Paraffin Embedded Tissue specimen 5 ml Sputum, BAL, Bronchial Secretion, Stomach Fluid, Peritoneal Fluid, urine Store at 2-8° C (Refrigerate)	Real Time PCR	Negative	Batched M - F	3 days, 24 hours TAT for STAT is required
Mycophenolic Acid and Metabolites	MYCOP	80180	Reference Lab	Container: Plain red top tube Preferred: 1 ml serum Process: Spin and separate within 2 hrs Transport: Send serum refrigerated	Quant LC-MS	Call Ref Lab		3 days
Myelin Associated Glycoprotein (MAG) IGM	MAGM	83516	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin and separate within 2 hrs Transport Send serum refrigerated	Semi-Qnt ELISA	Call Ref Lab		5 days

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Specimen Collection Information

TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Myoglobin Serum	MYOGS	83874	Reference Lab	Container 1 plain red top tube Preferred 1 ml serum Minimum 0.2 ml serum Process Allow specimen to clot completely at room temp. Spin and separate within 2 hrs. Transport Send refrigerated **NOTE** SST, sodium or lithium heparin plasma or EDTA plasma acceptable.	Electrochemiluminescent Immunoassay	Call Ref Lab		3 days
Myoglobin, Urine	MYOGU	83874	Reference Lab	Container Random urine container Preferred 4 mls urine Minimum 0.5 ml urine Process Thoroughly mix entire collection then aliquot no more than 4 mls into ARUP myoglobin transport tube immediately. Transport Send urine frozen	Qnt Electrochemiluminescent Immunoassay	Call Ref Lab		3 days
Myositis Extended Panel	MYEXP	83516 x 13 86235 x 6	Reference Lab	Container SST tube Preferred 3 mls serum Process Spin and separate within 2 hours. Aliquot 1 ml serum each into 3 pour off tubes Transport Send serum refrigerated	Qualitative Immunoprecipitation/Semi- qnt Multiplex Bead Assay/Qualitative Immunoblot	Call Ref Lab		3 weeks
Myotonic Dystrophy	MYTDS	81401	Reference Lab	Container EDTA purple top tubes Preferred 5 mls whole blood (adult) Process Do not spin Transport Send room temp **NOTE** Requisition & consent form must accompany specimen	PCR	Call Ref Lab		21 days
Narcolepsy Associated Antigen Screen	NARCA	81383	HLA	One 10 ml yellow top (ACD-A) tube or EDTA tube. Do not refrigerate. Do not spin. Keep at room temperature.	PCR-SSP	Present or not present	M - F	6 days
Nasopharynx (NP) Culture	NPCU	87070	Microbiology	Swab posterior nasopharynx with mini-tip culture swab. Transport to the laboratory as soon as possible or store at 2 - 8° C.	Bacterial culture	Normal upper respiratory flora	M - SU	48 HR
Natural Killer (CD16 + CD56) Profile w/CBC	NKPRO	86355 86357 86359 86360	Immunology	Container 1 Sodium Heparin Green top Preferred 1 ml Whole Blood Minimum 0.5 ml Process DO NOT SPIN Storage Room Temperature Transport Room Temperature **NOTE** Includes CD3, CD4, CD8, CD19, CD16 + CD56 and HSR. Can use EDTA (Purple top) if < 24 hrs old Must have CBC Ordered	Flow Cytometry	See Report	M - F	1-3 days
Neisseria Gonorrhea PCR	PCRC	87591 x 1	Molecular	Specimen Genital Swab in APTIMA Collection Device Container APTIMA Collection Device Minimum 1.0mL Storage 2-30°C Transport Keep cool	Target Amplification	Negative	Batched M - F	3 days, 24 hours TAT for STAT is required
Neisseria Gonorrhea PCR Urine	PCRC	87591 x 1	Molecular	Preferred Specimen: Urine in APTIMA Collection Device Container Urine APTIMA Collection Device or sterile urine container Minimum 1.0mL Storage 2-30°C Transport Keep cool	Target Amplification	Negative	Batched M - F	3 days, 24 hours TAT for STAT is required
Nettle IgE	NETTL	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Neuron Specific Enolase	NRNSP	86316	Reference Lab	Container 1 plain red top tube Preferred 1 ml serum Minimum 0.5 ml serum Process Allow specimen to clot completely at room temperature. Spin and separate immediately Transport Send frozen	ELISA	Call Ref Lab		5 days
Neuronal Nuclear (Hu, Ti, Yo and Amphiphysin) Abs IgG	NNGIB	83516	Reference Lab	Container: SST Tube Preferred: 1 ml serum Process: Spin and separate within 2 hours of collection Transport: Send serum refrigerated.	Qualitative Immunoblot	Call Ref Lab		10 days
Neurotintin	NRTN	80171	Reference Lab	Draw one plain red top tube immediately prior to next dose. Spin down and pour off within 2 hrs. Send serum refrigerated. No SST tubes.	HPLC	Call Ref Lab		4 days
Neutrophil Oxidative Burst Assay	DHR	86352	Reference Lab	Container Sodium heparin green top tube Preferred 3 mls whole blood Process Do not spin. Draw control from healthy unrelated person Transport Send room temp only, cannot be refrigerated or frozen. **NOTE** Must be in ref lab by 2PM. Do not draw Sat or Sun	Flow Cytometry	Call Ref Lab		4 days
Newborn Screen TDH Expanded	TXEXN		Reference Lab	Container: Filter paper card from TDSHS Preferred: 5 complete blood dots Process: Let air dry completely Transport: Send room temp		Call Ref Lab		14 days

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Specimen Collection Information

TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
NF1 Sequencing and Del/Dup	NFIS	81408 81479	Reference Lab	Container EDTA lavender top Preferred 3 mls whole blood Process Do not spin Transport Send whole blood refrigerated **NOTE** Must fill out NF1 patient history form and molecular consent form available at www.aruplab.com	PCR	Call Ref Lab		30 days
Niacin	NIAC	84591	Reference Lab	Container: EDTA Lavender top tube Preferred: 4 mls plasma Process: Spin and separate. Protect from light. Transport: Send plasma frozen *NOTE* Separate specimens must be submitted for multiple tests	Quant HPLC	Call Ref Lab		12 days
N-Methyl-D Asparate Receptor Ab IgG	NMDA	86255	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin and separate within 2 hrs Transport Send serum refrigerated	Semi-Quant Indirect Fluorescent Ab	Call Ref Lab		10 days
N-Methylhistamine	NMETH	82542	Reference Lab	Container 24 hr urine container with no preservative Preferred 5 mls urine Minimum 3 mls urine Process Aliquot into plastic tube Transport Send refrigerated	LC-MS/MS	Call Ref Lab		10 days
NMO Aquaporin-4 Receptor Ab	AQU4R	83516	Reference Lab	Container: SST tube Preferred: 1 mls serum Process: Spin and separate within 2 hrs Storage: Send serum refrigerated	Semi-Quant ELISA	Call Ref Lab		8 days
NMP22	NP22	86316	Reference Lab	Container Special kit from ARUP Preferred 5 mls urine Process Single void urine between midnight and noon. Immediately after collection, add urine to NMP22 Urine stabilizer vial. Transport Send frozen	EIA	Call Ref Lab		10 days
NMR Lipoprotein	NMR	83704 80061	Reference Lab	Container Special tube provided by LabCorp Preferred 2 mls serum Process Completely fill tube, place bar code label vertically on tube. Let clot for 30 mins then spin within 1 hr. Storage Send serum refrigerated. Do not freeze.	NMR Spectroscopy	Call Ref lab		5 days
Non-Gyn Cytology - Body Fluids			Cytology	See Appendix			M - F	
Non-Gyn Cytology Direct Smears			Cytology	See Appendix			M - F	
Nortriptyline	NTRIP	80335	Reference Lab	Container Plain red top tube Preferred 1 mls serum Process Spin and separate within 2 hrs. Draw immediately before next dose (min 12 hrs after last dose) Transport Send serum refrigerated	LC-MS/MS	Call Ref Lab		5 days
NPM1 Mutation	NMPID	81310	Reference Lab	Container EDTA lavender top tube Preferred 5 mls whole blood Minimum 1 ml Process Do not spin Transport Send whole blood refrigerated **NOTE** Draw Mon-Fri only. Must be in ref lab by 2 pm Friday. Specimen must be received at ARUP within 48 hrs of draw. Separate specimens must be sent for multiple tests. Bone marrow acceptable - 3 mls	Qnt Reverse-Transcription PCR	Call Ref Lab		10 days
NTX - Teloepitide Urine	NTXPR	82523	Reference Lab	Container random urine container Preferred 4 mls urine Process Collect 2nd morning void Transport Send urine frozen **NOTE** Do not take multivitamins or supplements containing biotin for 24 hours prior to collection	VITROS Competitive Chemiluminescence Immunoassay / Enzymatic Colorimetric Assay	Call Ref Lab		4 days
NTX Serum	NTX.S	82523	Reference Lab	Container 1 plain red top tube Preferred 0.5 ml serum Minimum 0.25 mls serum Process Spin and separate Transport Send frozen	ELISA	Call Ref Lab		7 days
Nutmeg IgE	NUMEG	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
O & P (Cyclospora Screen)	O&P-C	87206	Microbiology	Refer to O&P (Routine) for collection instructions	Modified acid fast stain	No Cyclospora seen	M - F	24 HR
O & P (Microsporidium Screen)	O&P-M	87207	Microbiology	Refer to O&P (Routine) for collection instructions	Fluorescence microscopy	No Microsporidium seen	M - F	24 HR

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
O & P (Routine)	O&P	87177	Microbiology	Fecal specimens are to be collected in a sterile dry container or passed in a bedpan and must not be contaminated with urine. The patient should be cautioned against the use of antacids, barium, bismuth, antidiarrheal medication, or oily laxatives prior to collection of the specimen. Once the specimen is collected, it should be aliquoted into the Para-Pak three vial system tubes (available in General Stores). An appropriate bloody, watery, slimy area of stool should be selected and transferred into each of the tubes using the collection spoon provided in the cap of the container. Sufficient stool is added to the container to bring the liquid level up to the 'fill to here' line. Tighten cap and shake firmly to ensure the specimen is adequately mixed. Label vials and seal in the zip-lock bag. Test will not be performed on patients hospitalized over three days and not presenting with diarrhea.	Ecofix stain / Microscopy	No parasites seen	M - F	24 HR
Oak IgE	OAK	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Oat IgE	OATS	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Occult Blood Feces	OCC	82274	Microbiology	Collect specimen in a leak-proof container without preservatives or in a Polymedco OC-Auto Transport bottle. Send immediately to the Microbiology Lab	Enzyme Immunoassay (EIA)	Negative or Positive reported when detected.	M - SU	24 HR
Occupational Panel IgE Isocyanate HDI, Isocyanate MDI, Isocyanate TDI, Phthalic Anhydride	OCC1	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Octopus IgE	OCTOP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Oligoclonal Band Profile	OLPR.	83916 82784 X 2 82040 82042	Reference Lab	Container Sterile container and 1 SST tube Preferred 1.5 ml CSF and 1 ml serum Minimum 0.7 ml CSF and 0.5 ml serum Process Allow serum to clot completely at room temperature. Spin and separate ASAP. Serum should be drawn within 48 hrs of CSF collection. Storage Send refrigerated	Isoelectric Focusing/Immunofixation/ Nephelometry	Call Ref Lab		5 days
Olive (black) IgE	OLIVE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Onion IgE	ONION	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Opiate Monitoring Panel LC/MS Urine	OPIMP	G0480	Chemistry	Container Random urine tube Preferred 3ml urine Minimum 3 ul urine Transport Send refrigerated Storage Room temperature up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-15°C to -30°C) 30 days	Liquid Chromatography Tandem Mass Spectrometry	See Report	M - F	3 days
Opiates	OPI	80361	Chemistry	Container Random Urine Container Preferred 20 mL of urine Minimum 10 mL of urine Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Preservative - None Refrigerate (2-8°C) up to 5 days Freeze (-20°C) if not done within 5 days	Enzyme Immunoassay	Negative	M - Su	4 HR
Opiates by LC/MS (U) Confirmation	OPIDC	G0480	Chemistry	Container Random Urine tube Preferred 3 mL of urine Minimum 3 ul urine Transport Send refrigerated Storage Room temperature up to 7 days Refrigerate (2-8°C) up to 7 days Freeze (-15°C to -30°C) 30 days	Liquid Chromatography Tandem Mass Spectrometry	See Report	M - F	3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Orange IgE	ORNGE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Orchard (Cocksfoot) IgE	ORGRS	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Oregano IgE	OREG	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Organic Acids Urine	ORGAU	83918	Reference Lab	Container Random urine container Preferred 9 mls random urine. Avoid dilute urine when possible Process Freeze immediately Transport Send frozen **NOTE** Separate specimens must be submitted for multiple tests	GC-MS	Call Ref Lab		10 days
Orotic Acid and Orotidine Urine	OROTU	83921 x2	Reference Lab	Container Random urine container Preferred 1st morning urine is preferred. 2mls urine Process Freeze within 2 hrs of collection Transport Send frozen **NOTE** Separate specimens must be sent for multiple tests	LC-MSMS	Call Ref Lab		10 days
Osmolality, Fecal	OSMOF	84999	Reference Lab	Container Sterile container with no preservative Preferred 5 mls liquid stool Process Do not add saline or water Transport Send frozen **NOTE** Separate specimens must be sent for multiple tests	Qnt Freezing Point	Call Ref Lab		3 days
Osmolality - Body Fluid	OSMLF 14527	83930	Chemistry	Container: Sterile Container Preferred: 5 mL body fluid Minimum: 1 mL body fluid Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature(20-25°C) up to 24 hours Refrigerate (2-8°C) up to 1 week Freeze (-20°C) indefinitely	Freezing point depression	No Reference Range Available	M - SU	4 HR
Osmolality - Urine (Random)	OSMLU 14525	83935	Chemistry	Container: Random Urine Container Preferred: 10 mL of urine Minimum: 5 mL of urine Process: Centrifuge Preservative: None Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature(20-25°C) up to 4 hours Refrigerate (2-8°C) up to 24 hours Freeze (-20°C) 7 days	301 - 1090 mOsm/kg	No Reference Range Available	M - Su	4 HR
Osteocalcin	OSTEO	83937	Reference Lab	Container 1 SST Preferred 0.5 ml serum Minimum 0.3 mls serum Process Allow serum tube to sit for 15-20 minutes at room temp to clot. Spin and separate within 2 hrs. Transport Send frozen **NOTE** No hemolysis	Qnt Electrochemiluminescent Immunoassay	Call Ref Lab		5 days
Ovalbumin IgE	OVALB	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Ovomucoid IgE	OVMUC	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Oxalate	OXLAT	83945	Reference Lab	Container 1 - 24 hr urine container Preferred 5 mls urine Minimum 1 mls urine Process Add 30 ml of toluene at start of collection or collect in jug with no preservative as long as urine is refrigerated during and after collection. Aliquot into plastic tube with no metal cap or glued insert. Transport Send refrigerated **NOTE** Avoid taking large doses of Vitamin C during collection.	Enzymatic Using Oxalate Oxidase	Call Ref Lab		5 days
Oxalate		83945	Reference Lab	Container 1 24 hr urine container Preferred 5 mls urine Minimum 4 mls urine Process Collect in jug with no preservative as long as urine is refrigerated during and after collection. Aliquot into plastic tube with no metal cap or glued insert. Transport Send refrigerated **NOTE** Avoid taking large doses of Vitamin C during collection.	Enzymatic Using Oxalate Oxidase	Call Ref Lab		3 days
Oxycodone and Metabolite	OXCD	83925	Reference Lab	Container: Random urine container Preferred: 20 mls urine Transport: Send urine room temp	GC/MS	Call Ref Lab		7 days
Oyster IgE	OYSTR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Pancreatic Elastase	PANEL	83520	Reference Lab	Container: Sterile stool transport vial Preferred: 5g stool Transport: Send stool frozen	Quant ELISA	Call Ref Lab		5 days
Pancreatic Polypeptide	PANCP	83519	Reference Lab	Container 1 SST Tube Preferred 1 ml serum Minimum 0.5 mls serum Process Allow specimen to sit in collection tube for 15-20 minutes at room temp. Spin and separate within 2 hrs. Transport Send frozen **NOTE** Pt must be fasting 10 hrs	RIA	Call Ref Lab		11 days
Panorama	PRAMA	81507	Reference Lab	Container Special tube provided by Natera Preferred 20 mls whole blood Process Use 21 gauge needle. Invert at least 10 times. Do not spin or pour off. Transport Send whole blood room temp. **NOTE** <u>Must be in Ref Lab by 2 PM on Friday. Do not draw Saturday or Sunday.</u>	SNP based	Call Ref Lab		14 days
PAP Smear - Thin Prep			Cytology	See Appendix	Thin Prep	N/A	M - F	4 days
Papain IgE	PAPN	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Papaya IgE	PAPYA	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Paprika IgE	PAPKA	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Paraneoplastic Eval CSF	PARAC	86255 x9	Reference Lab	Container Sterile container Preferred 4 mls CSF Transport Send CSF refrigerated	IFA, RIA	Call Ref Lab		8 days
Paraneoplastic Evaluation	PARAN	83519 x4 83520 86255 x9 83256 x7	Reference Lab	Container 1 plain red top tube Preferred 4 mls serum Minimum 2 mls serum Process Spin and separate Transport Send refrigerated	IFA;EIA/RIA/Western Blot	Call Ref Lab		2 weeks
Parasite I.D.	PARID	87169	Microbiology	Submit worm in a plastic or glass container. Transport to the laboratory as soon as possible.	Macroscopically /Microscopy	Specimen is not a known human parasite	M - SU	24 HR
Pareitaria Judaica (Wall Pellitory) IgE	WPELL	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Parsley IgE	PARSL	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Parvovirus B19 G&M Abs	PRV19	86747 x2	Reference Lab	Container 1 SST tube Preferred 0.5 mls serum Process Spin and separate Transport Send refrigerated	EIA	Call Ref Lab		3 days
Parvovirus B19 PCR	PPCR	87798	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin and separate Transport Send serum frozen **NOTE** Specimen source required	Qual PCR	Call Ref Lab		5 days
Passion Fruit IgE	PAFRT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Pathologist Blood Smear Exam with CBC <i>(old name: Blood Morphology)</i>	MORPH + CBC	85060	Hematology	Special Instructions Order a CBC and Blood Morphology (21025). Some clinical history is helpful. Specimen Requirements See CBC Off-Campus Collections If length of time from collection to lab delivery exceeds 8-hours, submit 4 unstained blood smears in addition to a blood sample. Transport Keep whole blood sample cool; transport glass slides in a puncture-resistant slide container.	Pathologist Exam; Microscopic w/ Stained Smears	See report: Pathologist Interpretation	M - SU	Business Hours = 6 Hours After Hours = Next Day
Peach IgE	PEACH	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Peanut Component Panel	PCMP	86003 x 5	Reference Lab	Container SST tube Preferred 2 mls serum Process Spin and separate Transport Send room temp	ImmunoCAO FEIA	Call Ref Lab		5 days
Peanut IgE	PEANT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Pear IgE	PEAR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Pecan (food) IgE	PECAN	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Pecan Hickory IgE	PCANH	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Penicillin G IgE	PENG	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Penicillin V IgE	PENV	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Penicillium Chrysogenum IgE	PCHRY	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Pentobarbital	PENT	80345	Reference Lab	Container 1 plain red top tube Preferred 2 mls serum Minimum 0.7 mls serum Process Spin and separate Transport Send refrigerated **NOTE** No SST tubes	CG-FID	Call Ref Lab		8 days
Pericardial Fluid Culture	PCFCU	87070	Microbiology	Disinfect surrounding skin. Perform percutaneous aspiration to obtain pericardial fluid. Expel into sterile transport container. Send to the Microbiology Lab immediately or the specimen may be refrigerated until transport. Do not store at room temperature. If results are positive, the physician will be notified and identification and susceptibilities will be performed.	Bacterial culture	No organisms isolated. Positives reported when detected	M - SU	5 days
Peritoneal Dialysis Culture	PDCU	87070	Microbiology	Send peritoneal dialysis fluid in bag or sterile leak-proof container. Physicians will be notified of positive cultures and organism identification and susceptibility testing will be performed.	Bacterial culture	No organisms isolated. Positives reported when detected.	M - SU	5 days
Peritoneal Fluid Culture	PTFCU	87070	Microbiology	Disinfect surrounding skin. Perform percutaneous aspiration to obtain peritoneal fluid. Expel into sterile container. Transport to the Microbiology Lab immediately or specimen may be held at room temperature for up to 24 hours. If results are positive, the physician will be notified and identification and susceptibilities will be performed.	Bacterial culture	No organisms isolated. Positives reported when detected	M - SU	5 days
Persimmon IgE	PERS	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
pH	PH	83986	Microbiology	Collect a small amount of stool in a wide-mouth, water tight, stool container without preservatives. The specimen should be sent immediately to the microbiology lab. If immediate transport is not available, refrigerate the specimen until transport.	Qualitative assay	pH 6-8	M - SU	24 HR
pH - Body Fluid	PH.F 14410	83986	Chemistry	Container: Blood Gas Syringe (Heparized) Preferred: 1 mL body fluid Minimum: 1 mL body fluid Process: Storage: Place on ice Transport: (2-8° C) Note: Record source of fluid. Fluid should be collected anaerobically. Testing must be performed within one hour of collection.	pH sensitive electrode	No Reference Range Available	M - SU	1 HR
Phenobarbital	PHNOB 17750	80184	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Refrigerate (2-8°C) up to 6 months Frozen (-20°C) up to 6 months	Enzyme Immunoassay	15 - 30 mcg/mL	M - SU	4 HR
Phenol	PHENL	82570 84600	Reference Lab	Container: Random urine container Preferred: 4 mls end of shift urine Minimum: Process: No preservative Transport: Send refrigerated	Colorimetry	Call Ref Lab		7 days
Phenylalanine	PHNAL	84030 84510	Reference Lab	Container 1 green top sodium heparin tube Preferred 0.5 mls plasma Minimum 0.1 mls plasma Process Spin and separate Transport Send frozen **NOTE** Fasting patient	Ion-Exchange Chromatography	Call Ref Lab		4 days
Phenylethylamine	PCP	80362	Chemistry	Container Random Urine Container Preferred 20 mL of urine Minimum 10 mL of urine Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Preservative - None Refrigerate (2-8°C) up to 5 days Freeze (-20°C) if not done within 5 days	Enzyme Immunoassay	Negative	M - Su	4 HR
Phenytoin	PHENY 16850	80185	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature up to 48 hours Refrigerate (2-8°C) up to 1 month Frozen (-20°C) up to 5 months	Enzyme Immunoassay	10 - 20 mcg/mL	M - SU	4 HR

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Specimen Collection Information

TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
PHN, PI-Linked Ag	PNHPI	88184 x2	Reference Lab	Container Yellow top tube ACD solutions B Preferred 2.6 mls whole blood Process Do not transfer blood to other containers Transport Send whole blood room temp **NOTE** Specimen must arrive within 72hrs of draw. Do not draw Fri after 12PM. EDTA acceptable.	Flow Cytometric Immunophenotyping	Call Ref Lab		3 days
Phoma Betae IgE	BETAE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Phospholipase A2 Receptor (PLA2R) Ab IgG	PLA2R	86255	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin and separate within 2 hours Transport Send serum refrigerated	Semi-Quantitative Indirect Fluorescent Antibody	Call Ref Lab		10 days
Phospholipids	PHLIP	84311	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml serum Process Allow specimen to clot completely at room temperature. Spin and separate Transport Send refrigerated **NOTE** Patient must fast 12 hrs.	Qnt Spectrophotometry	Call Ref Lab		
Phosphorus - Urine (24 Hr)	UPHOS 14951	84105	Chemistry	Container: 24 Hour Urine Container Preferred: 10 mL aliquot from well mixed 24 hr collection. Minimum: 5 mL aliquot from well mixed 24 hr collection Process: Centrifuge aliquot Preservative: (10-20 mL) 6N HCl If preservatives are not used during collection, adjust pH to < 5 with 6N HCl Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature (20-25°C) up to 48 hours	Phosphomolybdate	0.34 - 1.00 gm/vol	M - SU	4 HR
Phosphorus - Urine (Random)	UPH.R 14952	84105	Chemistry	Container: Random Urine Container Preferred: 10 mL of urine Minimum: 5 mL of urine Process: Adjust pH to <5 with 6N HCl Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature(20-25°C) up to 48 hours	Phosphomolybdate	No Reference Range Available	M - SU	4 HR
Phosphorus (Phosphate)	PHOS 11500	84100	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 24 hours Refrigerate (2-8°C) up to 4 days Frozen (-20°C) up to 1 year	Phosphomolybdate	See Report	M - SU	4 HR
PhthalicAnhydride IgE	PHANH	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Pig Epithelium IgE	PIG	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Pigeon Drooping IgE	PDROP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Pigeon Feathers IgE	PFEAT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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Specimen Collection Information

TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Pine Nut IgE	PINE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Pine, White IgE	WPINE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Pineapple IgE	PARPL	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Pinworm Prep	PIN	87172	Microbiology	Container Pinworm paddles (S&W item #05986) Process Specimen should be collected early in the morning before the patient arises. Press the sticky side of the paddle to the perirectal area and place the paddle in the tube. Transport Specimen should be transported to the Microbiology Lab <u>as soon as possible</u> . **NOTE** DO NOT insert the paddle into the rectum.	Manual microscopy	Negative	M-SU	24 HR
Pistachio IgE	PISTA	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Plaice IgE	PLAIC	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Plasminogen Activator Inhibitor 1 Activity	PAII	85415	Reference Lab	Container Sodium citrate blue top Preferred 1.5 mls platelet poor plasma Process Spin and separate within 1 hr of draw Transport Send plasma frozen **NOTE** Collect specimen between 8am and 12pm. Separate tubes must be sent for multiple tests.	Bioimmunoassay	Call Ref Lab		10 days
Plasminogen, Activity	PLSMN	85420	Reference Lab	Container 2 tubes sodium citrate (light blue top); fill between min and max fill line. Preferred 2 mL platelet poor plasma each into 2 plastic aliquot tubes preferably screw top aliquot tubes Minimum Same as preferred volume Process Centrifuge specimen ASAP; remove plasma, re-centrifuge plasma, transfuse aliquot to plastic tube (screw top aliquot tube preferred). Refer to platelet poor plasma instructions. Separate aliquot aliquot tubes for coagulation orders. No sharing of aliquots. Storage Freeze plasma (Do not use a frost free freezer!) Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. **NOTE** DO NOT thaw sample after freezing. Label aliquot tube "plasma" or "frozen plasma"	Chromogenic	Call Reference Lab	Mon, Wed, Fri	4 days
Plasminogen	PLSMG	82492	Reference Lab	Container 1 EDTA purple top tube Preferred 2 mls plasma & red cells Process Spin and separate. Aliquot plasma and red cells into two separate tubes Transport Send both tubes frozen		Call Ref Lab		14 days
Platelet Aggregation	PLAGG	85575 x6	Coagulation	Container 3 - (blue top) tube; fill tube to FILL LINE MARK. Preferred 9 mL of fresh whole citrated blood Minimum 9 mL whole blood Process Test must be scheduled. Call 254-724-2426 to schedule a collection time. Collection must be at the Temple Campus. Transport Transport immediately to the Special Coagulation Laboratory.	Whole Blood Lumi-aggregometry	Platelet aggregation in Ohms and ATP secretion in nmoles	M - F	4 HR
Platelet Antibody Screen	PLTAB	86022	Immunology	Container 1 SST tube or 1 red top Preferred 1 mL Serum Minimum 0.5 mL Serum Process Centrifuge Storage Frozen Transport Frozen	Enzyme-linked Immunesorbent Assay (ELISA)	See Report	Batch at least 2x weekly	1-3 days
Platelet Clumping Work-up Presumptive test for identifying pseudothrombocytopenia caused by in-vitro induced platelet clumping from the anticoagulant EDTA present in CBC collection tubes.	SEE NOTE	SEE NOTE	Hematology	To schedule a workup and/or receive instructions, contact the main Hematology Lab (254-724-2844) on the Temple Campus between the hours of 8:00 AM to 3:00 PM. Off Campus Collections: Limited by the ability of the collection site to collect samples or perform testing. Special Arrangements: In cases where a clinic facility has limited capability, patients will have to make arrangements for blood collection at the main Temple Campus or a limited number of selected regional clinic facilities.	Cell Counts & Interpretation	Interpretation	M - SU	Business Hours = 2 HR After Hours = Next Business Day

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Specimen Collection Information

TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Platelet Count, Only (Hematology)	PLTH	85049	Hematology	Container 1 EDTA (lavender) tube; must be more than 1/2 full for accurate results Preferred 2-3 mL whole blood Vacuated Collection Tube Minimum 1/3 of optimal collection volume of vacuated collection tubes Microcontainer Minimum 0.5 mL Storage Room temperature if testing performed within 4 hours of collection; otherwise refrigerate Transport Keep cool	Cell Counter; Automated	150,000 - 450,000 /mm ³	M - SU	2 HR
Platelet Donor Type	PLTDO 41165	86813	HLA	One 10 ml yellow top (ACD-A) tube or sodium heparin green top tube. Do not refrigerate. Do not spin. Keep at room temperature.	Microcytotoxicity	See Report	M - F	6 days
Platelet Function Screen (PFA100)	PFSCR	85576 x 1 or 2	Coagulation	Container 2 - (blue top) tube; fill tube to FILL LINE MARK Preferred 6 mL whole blood Minimum 6 mL whole blood Process DO NOT centrifuge. Keep at room temp. Time Limit 4 hours from collection to testing. Transport Transport at room temperature Transport immediately to the Special Coagulation Laboratory. **NOTE** Do not transport in pneumatic tube system!	Simulation of vascular injury with whole blood	See Report for interpretation	M - SU	4 HRS
Platelet Response: Aspirin Platelet function testing for the response of platelets to aspirin	PLRAS	881079C 85576	Coagulation	Container 2 Greiner 2 mL blue tops; fill tube to FILL LINE MARK Preferred 6 mL of fresh whole citrated blood Minimum 6 mL whole blood Process DO NOT centrifuge. Keep at room temp. Test must be scheduled. Call 254-724-2426 to schedule a collection time. Collection must be at the Temple Campus. Transport Transport at room temperature transport immediately to the Special Coagulation Laboratory Time Limit 4 hours from collection to testing. **NOTE** Do not transport in pneumatic tube system!			M - F	1 hr
Platelet Response: Plavix Platelet function testing for the response of platelets to Plavix (P2Y12 inhibitors)	PLVIX	D8800079 85576	Coagulation	Container 2 Greiner 2 mL blue tops; fill tube to FILL LINE MARK Preferred 6 mL of fresh whole citrated blood Minimum 6 mL whole blood Process DO NOT centrifuge. Keep at room temp. Test must be scheduled. Call 254-724-2426 to schedule a collection time. Collection must be at the Temple Campus. Time Limit 4 hours from collection to testing. Transport Transport at room temperature transport immediately to the Special Coagulation Laboratory **NOTE** Do not transport in pneumatic tube system!			M - F	1 Hr
Pleural Fluid Culture	PLFCU	87070	Microbiology	Disinfect surrounding skin. Perform percutaneous aspiration to obtain pleural fluid. Expel into sterile transport container. Transport immediately to the Microbiology Lab or the specimen may be refrigerated until transport. If results are positive, the physician will be notified and identification and susceptibilities will be performed.	Bacterial culture	No organisms isolated. Positives reported when detected	M - SU	5 days
Plum IgE	PLUM	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
PML-RARA Translocation, t(15;17)	prara	81315	Reference Lab	Container EDTA Lavender Top Preferred 5 mL whole blood Process Do not spin or separate Transport Send whole blood refrigerated **NOTE** Draw Mon-Thurs only. Must be in Ref Lab by 2 PM. Specimen good 48 hrs.	RTPCR	Call Ref Lab		10 days
PNH, PI-Linked Ag	PNHPI			Container Yellow top tube ACD solution A Preferred 2.6 mL whole blood Process Do not transfer blood to other containers Transport Send whole blood room temp **NOTE** Specimen must arrive within 72 hours of draw. Must be in ref lab Friday by 2 PM. EDTA acceptable	Flow Cytometric Immunophenotyping	Call Ref Lab		3 days
Poliovirus Abs	PLVS	86658 x2	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin and separate within 2 hrs Transport Send serum refrigerated	Semi-Quant Serum Neutralization	Call Ref Lab		10 days
Poppy Seed IgE	POPSD	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Pork IgE	PORK	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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Specimen Collection Information

TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Porphobilinogen Random	PBG	84110	Reference Lab	Container: Amber urine container Preferred: 20 mls random urine Process: Pour into amber container Transport: Send frozen and protected from light.	LC-MS/MS	Call Ref Lab		6 days
Porphyrin Evaluation RBC	PRVAL	84311	Reference Lab	Container: Sodium heparin green top tube. Preferred: 5 mls whole blood. Minimum: 3 mls whole blood. Process: Place on ice immediately after draw. Do not spin. Storage: Send refrigerated, cannot be frozen. **NOTE** Specimen must arrive within 72 hrs of draw. Pt should abstain from alcohol for 24 hrs prior to draw.	Spectrofluorometric	Call Ref Lab		5 days
Porphyryns, Feces	PORFE	84126	Reference Lab	Container: Sterile container Preferred: 100 g stool (24 hr collection is adequate if volume is 100 g, if not 48, 72 or 96 hrs) Transport: Send entire collection frozen **NOTE** Patient should not eat red meat or take aspirin-containing medications for 3 days prior to or during collection. No barium, laxatives or enemas for 24 hours prior to collection.	HPLC	Call Ref Lab		4 days
Porphyryns, Total Plasma	POTP	84311	Reference Lab	Container: 1 green top sodium heparin tube Preferred: 2 mls plasma Process: Spin and separate within 1 hr. Protect from light during collection, storage and shipment. Transport: Send plasma frozen. **NOTE** Patient should abstain from alcohol for 24 hrs.	Qnt Fluorometry	Call Ref Lab		5 days
Porphyryns, Urine	PORPH	84110 84120	Reference Lab	Container: 24 hr urine container with 5 g sodium carbonate Preferred: 20-50mls urine Minimum: 15 mls urine Process: Aliquot into amber tube to protect from light Transport: Send frozen **NOTE** Abstain from alcohol for 24 hrs prior to and during collection. Preservative must be added to container before collection. Specimen only good 72 hrs. Do not schedule collection to end on Fri or Sat	HPLC with Fluorometric Detection	Call Ref Lab		4 days
Posaconazole	POSAZ	80299	Reference Lab	Container: Plain red top Preferred: 1 ml serum Process: Spin and separate Transport: Send serum frozen **NOTE** Pre-dose (trough) draw. Blood levels may be affected by other concurrent medications, pt conditions, fat intake at dosing and other factors.	HPLC/MS	Call Ref Lab		10 days
Post Vasectomy Sperm Count		89321	Andrology	Semen sample needs to arrive within 6 hours of collection or refrigerate at 4°C up to 24 hours.	Manual methods with specific protocol to verify no sperm in sample	No sperm seen	M - F (8AM-4PM)	3 days
Potassium	K 10600	84132	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Avoid prolonged contact with RBCs - No hemolysis Room Temperature 7 days Refrigerate (2-8°C) up to 7 days	Ion Selective Electrode (ISE)	0 - 2 years: 3.6 - 6.2 mEq/L 2 years+: 3.5 - 5.3 mEq/L	M - SU	4 HR
Potassium - Urine (24 Hr)	UK 14960	84133	Chemistry	Container: 24 Hour Urine Container Preferred: 10 mL aliquot from well mixed 24 hr collection Minimum: 5 mL aliquot from well mixed 24 hr collection Process: Centrifuge aliquot Preservative: None Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature(20-25°C) up to 45 days Refrigerate (2-8°C) up to 2 months Freeze (-20°C) up to 1 year	Ion Selective Electrode (ISE)	15 - 125 mEq/vol	M - SU	4 HR
Potassium - Urine (Random)	UK.R 14962	84133	Chemistry	Container: Random Urine Container Preferred: 10 mL of urine Minimum: 5 mL of urine Storage: Refrigerate (2-8°C) Process: Centrifuge aliquot Transport: Refrigerate **NOTE** Room Temperature(20-25°C) up to 45 days Refrigerate (2-8°C) up to 2 months Freeze (-20°C) up to 1 year	Ion Selective Electrode (ISE)	No Reference Range Available	M - SU	4 HR
Prader-Willi Syndrome	PRDWL	81331	Reference Lab	Container: EDTA purple top tubes Preferred: 5 mls whole blood (adult) Process: Do not spin Transport: Send room temp **NOTE** Requisition & consent form must accompany specimen	Southern Blot	Call Ref Lab		21 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Prealbumin	PALB1	84134	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum ONLY Refrigerate (2-8°C) up to 3 days Freeze (-20°C) up to 6 months	Immunoturbidimetric (ISE)	16 - 42 mg/dL	M - Su	4 HR
Pregabalin Urine	PRGBU	80366	Reference Lab	Container: Random urine container Preferred: 20 mls urine Transport: Send room temp	MS	Call Ref Lab		7 days
Pregnancy - Urine	UPREG	84703	Chemistry	Container: Random Urine Container Preferred: 10 mL of urine Minimum: 1 mL of urine Process: Preservative - None Storage: Refrigerate (2-8 °C) Transport: Refrigerate **NOTE** Preservatives are NOT ACCEPTABLE Refrigerate (2-8 °C) up to 72 hours Do not freeze	Immunoassay	Negative Positive	M - Su	4 HR
Pregnancy Qualitative testing Screen (positive/negative)	PREGS 83002	84703	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate Note: Serum only Room Temperature(20-25°C) up to 8 hours Refrigerate (2-8°C) up to 72 hours Freeze (-20°C) if not done within 72 hours	Immunoassay	Negative Positive	M - SU	4 HR
Prelude-Non Invasive Prenatal Testing (NIPS)	PLUDE		Reference Lab	Container: Special tube provided by Counsyl Preferred: 7 mls whole blood Process: Do not spin Transport: Send whole blood room temp	Massively Parallel Sequencing	Call Ref Lab		7 days
Primidone (Mysoline)	LC542	80184	Reference Lab	Container: 1 plain red top tube Preferred: 1 ml serum Minimum: 0.25 ml serum Process: Spin and separate Transport: Send refrigerated **NOTE** No SST tubes		Call Ref Lab		3 days
Privet IgE	PRIVT	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Probrain Natriuretic Peptide NT	PRBNP	83880	Reference Lab	Container: SST Tube Preferred: 1 ml serum Process: Allow serum to clot at room temp for 15-20 mins. Spin and separate within 2 hrs Transport: Send serum frozen	Quant E	Call Ref Lab		5 days
Procalcitonin	PCT	84145	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate *NOTE* Refrigerate (2-8°C) up to 48 hours Freeze (-20°C) up to 6 months	ELFA (Enzyme-Linked Fluorescent Assay)	<0.1 ng/mL	M - SU	1 HR
Profile - 20 Includes: A/G Ration Albumin Alkaline Phosphatase BUN Calcium CO2 Chloride Cholesterol CK Creatinine Glucose GGTP	PRO20 12311	89399.75	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 24 hours Refrigerate (2-8°C) up to 7 days Protect from direct sunlight	See Individual Tests	See Report	M - SU	4 HR
Profile - Basic Metabolic BUN Calcium Chloride CO2	BASIC 10102	80048	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature(20-25°C) up to 24 hours Refrigerate (2-8°C) up to 7 days	See Individual Tests	See Report	M - SU	4 HR

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Specimen Collection Information

TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Profile - Comprehensive Metabolic Includes: Albumin Potassium Alkaline Phosphatase BUN SGOT (AST) Calcium SGPT (ALT) Chloride Sodium CO2 Total Bilirubin Creatinine Total Protein Glucose	COMP 10411	80053	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 24 hours Refrigerate (2-8°C) up to 7 days Protect from direct sunlight	See Individual Tests	See Report	M - SU	4 HR
Profile - Dialysis Includes: Anion GAP Glucose Albumin Phosphorus Alkaline Phosphatase BUN Potassium Calcium SGPT (ALT) Chloride Sodium CO2 Total Protein Creatinine	DIALY 10811	80069 84075 84450 84155	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 24 hours Refrigerate (2-8°C) up to 7 days	See Individual Tests	See Report	M - SU	4 HR
Profile - Hepatic Liver Function Includes: Albumin SGPT (ALT) Alkaline Phosphatase Direct Bilirubin Total Bilirubin SGOT (AST) Total Protein	HEP 11301	80076	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 24 hours Refrigerate (2-8°C) up to 7 days Protect from direct sunlight	See Individual Tests	See Report	M - SU	4 HR
Profile - Lipid Includes: Cholesterol Calculated LDL HDL Triglycerides	LIPID 11201	80061	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable 12-16 hour fasting specimen recommended Room Temperature up to 2 days Refrigerate (2-8°C) up to 7 days	See Individual Tests	See Report	M - SU	4 HR
Profile - Pediatric Renal Includes: Albumin Glucose Alkaline Magnesium Anion Gap Phosphate BUN Phosphorus Calcium Potassium Chloride Sodium Creatinine Total Protein CO2 Uric Acid	PRPRO	80069 84075 84155 83735 84550	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room temperature (20-25°C) up to 24 hours Refrigerate (2-8°C) up to 7 days	See Individual Tests	See Report	M - Su	4 HR
Profile - Renal Function Albumin Creatinine BUN Glucose CO2 Phosphorus Calcium Potassium Chloride Sodium	RENAL	80069	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 24 hours Refrigerate (2-8°C) up to 7 days	See Individual Tests	See Report	M - Su	4 HR
Profile - Veterinary Includes: A/G ration Glucose Albumin LDH Alkaline Phosphatase BUN Phosphorus Calcium Potassium Chloride SGOT (AST) Cholesterol SGPT (ALT) CK Sodium CO2 Total Bilirubin Creatinine Total Protein GGTP Triglyceride Globulin	PROVT 14881	80054	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Lithium Heparin acceptable Room Temperature (20-25°C) up to 24 hours Refrigerate (2-8°C) up to 7 days Protect from direct sunlight "FOR ANIMAL TESTING ONLY"	See Individual Tests	See Report	M - SU	4 HR
Progesterone	PROG 68090	84144	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Lithium Heparin Acceptable Samples should be removed from gel within 24 hrs of collection Refrigerate (2-8°C) up to 10 days Freeze (-20°C)	Chemiluminescence	See Report	M - F	8 HR

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Proinsulin	PROIN	84206	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin and separate within 2 hrs Transport Send serum frozen **NOTE** Pt must fast for 12-15 hrs	Qn Chemiluminescent Immunoassay	Call Ref Lab		6 days
Prolactin	PROL 67070	84146	Chemistry	Container 1 SST tube Preferred 2 mL serum Minimum 1 mL serum Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Lithium Heparin or EDTA plasma acceptable If testing will be delayed for more than 24 hours, remove serum or plasma from the clot, separator, red blood cells. Refrigerate (2-8°C) up to 7 days Freeze (-10°C or colder) up to 12 months	Chemiluminescent Microparticle Immunoassay (CMIA)	3 - 30 ng/MI	M - SU	4 HR
Propafenone	LC535	80299	Reference Lab	Container 1 SST tube Preferred 3 mls serum Process Spin and separate Transport Send room temp, if over 3 days-refrigerate	HPLC/UV	Call Ref Lab		3 days
Propoxyphene Urine	PRPXY	80367	Reference Lab	Container Random urine container Preferred 20 mls urine Transport Send room temp	GC/MS	Call Ref Lab		7 days
ProPredict 6 MP	PP6MP	82542	Reference Lab	Container 1 EDTA purple top tube Preferred 5 mls whole blood Process Do not spin Transport Send refrigerated		Call Ref Lab		5 days
Protein 0	PROT0	84182	Reference Lab	Container: 1 SST tube Preferred: 2 mls serum Process: Spin and separate Transport: Send room temp		Call Ref Lab		7 days
Protein C Functional (Activity)	PCFUN	85303	Reference Lab	Container 1 tube sodium citrate (light blue top); fill between min and max fill line. Preferred 2 mL platelet poor plasma preferably screw top aliquot tubes Minimum 1.0 mL platelet poor plasma Process Centrifuge specimen ASAP; remove plasma, re-centrifuge plasma, transfuse aliquot to plastic tube (screw top aliquot tube preferred). Refer to platelet poor plasma instructions. Separate aliquot aliquot tubes for coagulation orders. No sharing of aliquots. Storage Freeze plasma (Do not use a frost free freezer!) Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. **NOTE** DO NOT thaw sample after freezing. Label aliquot tube "plasma" or "frozen plasma"	Enzyme Immunoassay	Call Ref Lab, age Dependent	Mon-Sun	3 days
Protein C, Total Antigenic	PCAG	85302	Reference lab	Container 1 tube sodium citrate (light blue top); fill between min and max fill line. Preferred 2 mL platelet poor plasma preferably screw top aliquot tubes Minimum 1.0 mL platelet poor plasma Process Centrifuge specimen ASAP; remove plasma, re-centrifuge plasma, transfuse aliquot to plastic tube (screw top aliquot tube preferred). Refer to platelet poor plasma instructions. Separate aliquot aliquot tubes for coagulation orders. No sharing of aliquots. Storage Freeze plasma (Do not use a frost free freezer!) Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. **NOTE** DO NOT thaw sample after freezing. Label aliquot tube "plasma" or "frozen plasma"	Enzyme Immunoassay	Call Ref Lab Age Dependent	Mon-Sun	3 days
Protein Creatinine Ratio - Urine	UPCR 84156	82570 84156	Chemistry	Container: Random Urine Container Preferred: 10 mL of urine Minimum: 5 mL of urine Storage: Refrigerate (2 - 8°C.) Process: Centrifuge Transport: Refrigerate **NOTE** Specimens stored at 2 - 8°C with no additives are stable up to 6 days	Benzethonium Chloride and Kinetic Alkaline Picrate	See Report	M - SU	4 HR
Protein Electrophoresis - Serum Includes IgG, IgA, IgM	SEP 71917	84165 82784 X 3 84160	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate Note: Serum Only Avoid Hemolysis Store refrigerated (2-8°C) Freeze (-20°C) up to 1 month	Electrophoresis	See Report	M - F	24 HR

Baylor Scott and White Reference Lab
Specimen Collection Information

TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Protein Electrophoresis - Urine (24 Hr)	UEP24 71251	84166 84156	Chemistry	Container: 24hr. Urine container Preferred: 50 mL of urine Minimum: 20 mL of urine Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Fresh specimen is preferred	Electrophoresis	See Report	M - F	24 HR
Protein Electrophoresis - Urine (Random)	UEPR 71252	84166 84156	Chemistry	Container: Random Urine Container Preferred: 50 mL of urine Minimum: 20 mL of urine Process: Centrifuge Preservative: None Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Fresh specimen is preferred	Electrophoresis	See Report	M - F	24 HR
Protein S Free, Antigen	PSFRE	85306	Reference Lab	Container: 1 tube sodium citrate (light blue top); fill between min and max fill line. Preferred: 2 mL platelet poor plasma preferably screw top aliquot tubes Minimum: 1.0 mL platelet poor plasma Process: Centrifuge specimen ASAP; remove plasma, re-centrifuge plasma, transfuse aliquot to plastic tube (screw top aliquot tube preferred). Refer to platelet poor plasma instructions. Separate aliquot aliquot tubes for coagulation orders. No sharing of aliquots. Storage: Freeze plasma (Do not use a frost free freezer!) Transport: Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. **NOTE** DO NOT thaw sample after freezing. Label aliquot tube "plasma" or "frozen plasma"	Microlatex Particle - Mediated Immunoassay	Call Ref Lab Age Dependent	Mon-Fri	4 days
Protein S Functional (Activity)	PSACT	85306	Reference Lab	Container: 1 tube sodium citrate (light blue top); fill between min and max fill line. Preferred: 2 mL platelet poor plasma preferably screw top aliquot tubes Minimum: 1.0 mL platelet poor plasma Process: Centrifuge specimen ASAP; remove plasma, re-centrifuge plasma, transfuse aliquot to plastic tube (screw top aliquot tube preferred). Refer to platelet poor plasma instructions. Separate aliquot aliquot tubes for coagulation orders. No sharing of aliquots. Storage: Freeze plasma (Do not use a frost free freezer!) Transport: Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. **NOTE** DO NOT thaw sample after freezing. Label aliquot tube "plasma" or "frozen plasma"	Clot Detection	Call Ref Lab Age Dependent	Mon-Sun	3 days
Proteinase 3 Antibody (PR3)	PR3AS	83516	Immunology	Container: 1 SST tube or 1 red top Preferred: 1 mL Serum Minimum: 0.5 mL Serum Process: Centrifuge Storage: Refrigerate Transport: Refrigerate	Multiplex Immunoassay	<1.0	M - F	1 day
Prothrombin Fragment 1.2	LC537	83520	Reference Lab	Container: 1 citrated blue top tube Preferred: 2 ml plasma Minimum: 1 ml plasma Process: Spin and separate Transport: Send frozen **NOTE** Separate specimens must be sent for multiple tests	ELISA	Call Ref Lab		10 days
Prothrombin Time	PTINR 65001	85610	Coagulation	Container: 1 sodium citrate (blue top) tube; fill tube to FILL LINE MARK. Preferred: 2 mL plasma Minimum: 0.5 mL plasma Process: Centrifuge specimen ASAP; remove plasma & freeze in plastic tubes Storage: Freeze plasma Transport: Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.	Electro-Mechanical Clot Detection	11.6 - 14.6 Sec.	M - SU	1 HR
PSA - Free and Total (% ratio)	PSAFT	84153 84154	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Spin and separate within 2 hours Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum only Refrigerate (2-8°C) up to 24 hours Freeze (-20°C) serum separated from gel/clot if testing not performed within 24 hours of collection	Chemiluminescent Microparticle Immunoassay (CMIA)	Greater than 25%	M - Su	4 HR
PSA - Prostate Specific Antigen	PSA	84153	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Spin and separate within 2 hours Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum ONLY Refrigerate (2-8°C) up to 24 hours Freeze (-20°C) serum separated from gel/clot if testing not performed within 24 hours or collection	Chemiluminescent Microparticle Immunoassay (CMIA)	0 - 4 ng/ml	M - SU	4 HR

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Specimen Collection Information

TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
PT - Post Heparin Removal	PTHRR	85610	Coagulation	Container 1 - sodium citrate (blue top) tube; fill tube to FILL LINE MARK. Preferred 2 mL plasma Minimum 0.5 mL plasma Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes Storage Freeze plasma Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.	Electro-Mechanical Clot Detection	11.6 - 14.6 Sec.	M - F	2 HR
PT / aPTT	PTTPT	85610 85730	Coagulation	Container 1 - sodium citrate (blue top) tube; fill tube to FILL LINE MARK. Preferred 2 mL plasma Minimum 0.5 mL plasma Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes Storage Freeze plasma Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.	Electro-Mechanical Clot Detection	11.6 - 14.6 Sec / 26.0 - 42.0 Sec.	M - SU	1 HR
PTH - Parathyroid Hormone	PTH. 69400	83970	Chemistry	Container 1 Li Heparin tube Preferred 2 mL plasma Minimum 1 mL plasma Process Spin and separate Storage Refrigerate (2 - 8° C) Transport Refrigerated **NOTE** EDTA Acceptable / Avoid SST Refrigerate (2-8°C) up to 2 days for whole blood or plasma Freeze (-10° C) up to 6 months if not performed in 2 days	Chemiluminescent Microparticle Immunoassay (CMIA)	See Report	M - SU	4 HR
PTH Related Peptide	PTHRE	81774	Reference Lab	Container EDTA lavender top tube Preferred 0.7 ml plasma Process Draw in chilled tube, spin in refrigerated centrifuge. Pour off into plastic tube Transport Send plasma frozen **NOTE** Fasting patient	ICMA	Call Ref Lab		4 days
Pumpkin Seed IgE	PUMPS	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Pyruvate Kinase	PYKIN	84220	Reference Lab	Container EDTA lavender top tube Preferred 1 mL whole blood Process Do not spin, do not freeze Transport Send whole blood refrigerated	Qnt Enzymatic	Call Ref Lab		3 days
Pyruvic Acid Blood	PYBLD	84210	Reference Lab	Container Special collection tube from Mayo Preferred 1 ml whole blood Process Transfer 1 ml whole blood from syringe into prechilled special tube, shake vigorously to mix Transport Send refrigerated **NOTE** Pt must be fasting 4 hrs	Spectrophotometry	Call Ref Lab		10 days
Pyruvic Acid CSF	PYRC	84210	Reference Lab	Container: Sterile container Preferred: 0.6 ml CSF Transport: Send frozen NOTE: Send specimen from tube #2	Spectrophotometry	Call Ref Lab		8 days
Q Fever Ab Panel	QFAB	86638 x4	Reference Lab	Container 1 SST tube Preferred 0.5 mls serum Minimum 0.25 mls serum Process Spin and separate Transport Send refrigerated	Indirect Immunofluorescence	Call Ref Lab		4 days
Rabbit Epithelium IgE	RABBE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Rabbit Meat IgE	RABIT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Rabbit Serum Protein IgE	RABSP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Rabbit Urine Protein IgE	RABUP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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Specimen Collection Information

TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Rabies Titer	RBTR	86382	Reference Lab	2 ml serum from SST tube. Spin and send serum refrigerated.		Call Ref Lab		30 days
Ragweed, False IgE	FRAGW	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Rape Seed IgE	RAPSE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Rapid Cortrosyn - Cortisol	RCOR	82533 x 3	Chemistry	Container 1 SST tube Preferred 2 mL serum Minimum 1 mL serum Process Spin and separate Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Lithium Heparin acceptable If testing will be delayed for more than eight hours, remove plasma or serum from the serum or plasma separator, red blood cells or clot. Room Temperature up to 8 hours Refrigerate (2-8°C) up to 14 days Freeze (-20°C) up to 30 days	Chemiluminescence	Interpretative	M - F	8 HR
Rapid Strep Screen (see Strep Screen, Rapid - Group A Throat)	RSS	87880	Microbiology	Specimen collected on sterile culturette. Do not obtain throat samples if epiglottitis is inflamed as sampling may cause serious respiratory obstruction. Depress tongue gently with tongue depressor. Extend sterile swab between tonsillar pillars and behind uvula. Avoid touching cheeks, tongue, uvula or lips. Sweep the swab back and forth across the posterior pharynx, tonsillar areas any any inflamed or ulcerated areas to obtain sample. Transport specimens to the Microbiology Lab immediately. If immediate transport is not possible, the culturette can be stored at room temperature and will be viable up to 24 hours. Recommend culture (Strep Screen Culture) as back up for negative Rapid Strep Screen.	Enzyme Immunoassay (EIA)	Negative Posities reported when detected	M - Su	2 HR
Raspberry IgE	RASP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Rast test	RASTS	86003	Reference Lab	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Transport Send refrigerated	FEUA	Call Ref Lab		3 days
Rat Epithelium IgE	RAT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Rat Serum Proteins IgE	RATSP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Rat Urine Proteins IgE	RATUP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
RBC Cholinesterase	ACHSR	82482	Reference Lab	Container 1 EDTA purple top tube Preferred 3 ml whole blood Minimum 1 ml whole blood Process Do not spin Transport Send refrigerated, cannot be frozen. **NOTE** Do not place tubes directly on cold packs. No gree top tubes.	Quantitative Enzymatic	Call Ref Lab		5 days
RBC Folatae	QLRFL	82747	Reference Lab	Container EDTA lavender top tube Preferred 3 ml whole blood Process Protect from light. Do not spin. Transport Send whole blood refrigerated	Immunoassay	Call Ref Lab		4 days
Red Cell Antigen Typing	AGTPA	86902	Transfusion Service Blood Bank	Container 6ml EDTA pink top Minimum 3ml EDTA purple top Storage RT	Hemagglutination	NA		8 hours

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Red Current IgE	RCURR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Red Sorrel IgE	SORRL	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Red Top (Bentgrass) IgE	RTOP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Reducing Substance, Urine - Routine	RSB	83986	Urinalysis	Container: 1- Sterile, plastic, leak-resistant urine container Preferred: 1.0 mL or greater of urine; Minimum: 0.5-mL urine for pediatric Process: Deliver immediately to laboratory Storage: Room temperature if delivered to laboratory within 1-hour of collection; otherwise refrigerate Transport: Tightly seal lid; Keep cool.	Classic Benedict's copper reduction reaction; visual color interpretation	Negative	M - SU	2 HR
Renin Activity	RENNA	84244	Reference Lab	Container 1 EDTA purple top tube Preferred 2 ml plasma Minimum 1.2 ml plasma Process Spin and separate within 2 hrs Transport Send frozen. **NOTE** Do not refrigerate. Do not collect in refrigerated tubes. Separate specimens must be sent for multiple tests Patient Prep Normal sodium diet (100-200 mEq/day) for at least 3 days. Receiving no medications known to affect renin-angiotensin system. Supine Specimen should be obtained between 8AM and 10AM after at least 2 hrs in supine position. Upright Specimen should be obtained before noon after at least 2 hrs in upright position, seated or standing.	RIA	Call Ref Lab		3 days
Respiratory Virus Panel	RVPAN	87632	Molecular	Specimen Swab in M4 Viral Transport Medis: Tracheal, bronchial or nasal aspirates; Respiratory secretions (washes or lavages) Container Sterile container, Copan Swab Minimum 0.5 mL Storage Refrigerate, if >24 hrs, Freeze Transport Keep cool.	Multiplex PCR	Negative	Batched M - Sun (schedule changes during active Flu season)	10-24 HRS
Reticulocyte (Retic) Count, Percentage	RETIK	85045	Hematology	Container 1 EDTA (lavender) tube; must be more than 1/2 full for accurate results Preferred 2-3 mL whole blood Vacuated Collection Tube Minimum 1/3 of optimal collection volume of vacuated collection tubes Microcontainer Minimum 0.5 mL Storage Room temperature if testing performed within 4 hours of collection; otherwise refrigerate Transport Keep cool	Cell Counter Automated w/Fluorescent Stain	0.5 - 2.2 % Adult 2.0 - 6.0 % Infant	M - SU	2 HR
Retinol Binding Protein	RETBP	83883	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml serum Process Spin and separate within 2 hrs, avoid hemolysis Transport Send refrigerated	Qnt Nephelometry	Call Ref Lab		7 days
Retrograde Semen Analysis		89310	Andrology	Urine. The lab MUST be contacted for complete information and arrangements at 254-724-4408.	Manual methods with specific protocol to verify if no sperm are present	See Report	M - F (8AM-4PM)	3 days
Reverse T3	RVRT3	84482	Reference Lab	Container 1 SST tube Preferred 2 ml serum Minimum 1 ml serum Process Allow specimen to clot completely at room temperature. Spin and separate within 2 hours. Transport Send frozen	RIA	Call Ref Lab		5 days
Rh Immune Globulin Workup	RHIGP	85461	Transfusion Service Blood Bank	Container 6ml EDTA pink top Minimum 3ml EDTA purple top Storage RT	Column Agglutination Hemagglutination Solid Phase	NA		8 hours
Rheumatoid Factor - Screen	RF	86430 RFTIT 86431	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	Multiplex Immunoassay	Negative	M - F	1-3 days
Rhizopus Nigricans IgE	RHIZ	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Ribosomal P Antibody	RIBPI	86235	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	Multiplex Immunoassay	Negative	M - F	1-3 days
Rice IgE	RICE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Risperidone	RISPD	80342	Reference Lab	Container 1 plain red top tube Preferred 1 mls serum Process Spin and separate within 2 hrs Transport Send refrigerated **NOTE** No SST tubes. Pre-dose (trough) draw	LC/MS/MS	Call Ref Lab		6 days
Rocky Mountain Spotted Fever Abs	RMSF	86757 x2	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin and separate within 2 hrs of draw Transport Send serum refrigerated		Call Ref Lab		7 days
Rough Marsh Elder IgE	MARSH	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Rough Pigweed IgE	RPIGW	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
RPR - Rapid Plasma Reagin	RPRT	86592 RPRTI 86593	Immunology	Container 1 SST tubes or 1 Lithium Heparin (green) tube Preferred 1 ml Serum/Plasma Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	Flocculation	Non-reactive	M - SU	1 day
RPR TDH	RPRTX	86592	Reference Lab	Container: Plain red top tube Preferred: 0.5 mls serum Process: Spin and pour off into plastic tube within 2 hrs Transport: Send serum refrigerated		Cal Ref Lab		10 days
Rubella IgG Antibody	RUBG	86762	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	Multiplex Immunoassay	Negative	M-Su	1 day
Rubella IgM	RUB.M	86762	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml serum Process Spin and separate within 2 hours Transport Send refrigerated	Chemiluminescent Immunoassay	Call Ref Lab		3 days
Russian Thistle (Saltwort) IgE	SALTW	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Rye Grass IgE	RYEGR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Rye IgE	RYE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Saccharomyces Cerevisiae Abs	SA.CC	86671 X 2	Reference Lab	Container 1 SST tube Preferred 0.5 ml serum Minimum 0.3 ml serum Process Spin and separate within 2 hrs Transport Send refrigerated	ELISA	Call Ref Lab		4 days
Sage IgE	SAGE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Salicylate	SALI 18250	80329	Chemistry	Container 1 Lithium Heparin (Green top) tube Preferred 2 mL plasma Minimum 1 mL plasma Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Serum acceptable Refrigerate (4-8°C) up to 2 weeks Freeze (-20°C) up to 6 months	Enzymatic/Colorimetric	10 - 15 mg/dL	M - Su	4 HR
Salmon IgE	SALMN	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Salt Grass IgE	SAGRS	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Sardine (Pilchard) IgE	SARDN	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Scale (Lenscale) IgE	SCALE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Scallop IgE	SCALP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
SCL-70 Antibody	SCL70	86235	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	Multiplex Immunoassay	Negative	M - F	1-3 days
Seafood Panel IgE Blue Mussel, Codfish, Salmon, Shrimp, Tuna	SEAFO	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Seafood-Hake	HAKE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Sedimentation Rate (ESR)	ESR	85652	Hematology	Container 1 EDTA (lavender) tube; must be more than 1/2 full for accurate results Preferred 2-3 mL whole blood in a vacuated collection tube Acceptable 3 - 0.5 mL EDTA microcontainers. Minimum .5 mL whole blood Acceptable Three (3) EDTA microcontainers filled to the 0.5 mL line Storage Room temperature if testing performed within 4 hours of collection; otherwise refrigerate up to 24-hours Transport Keep cool	Optical; Semi-Automated; Diluted	0 - 20 mm/hr Female; 0 - 15 mm/hr Male	M - SU	2 HR
Selenium	SLN	84255	Reference Lab	Container Royal blue no additive tube Preferred 2 ml serum Process Spin and separate ASAP. Pour off into metal free tube Transport Send room temp **NOTE** Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals and non-essential over the counter meds	Qnt Inductively Coupled Plasma-Mass Spec	Call Ref Lab		3 days
Semen Analysis - Complete		89320	Andrology	Must be kept at body temperature and delivered to lab within 1 hour of collection. The lab MUST be contracted for complete informaton and arrangements at 254-724-4408.	Automated with manual verification and manual differnetial.	See Report	M - F (8AM-4PM)	3 days
Sequential Screen Part 1	LC556	84702 84163	Reference Lab	Container 1 SST tube Preferred 3 mls serum Process Spin and separate Transport Send room temp in Genzyme kit **NOTE** No hemolysis		Call Ref Lab		5 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Sequential Screen Part 2	LC587	84702 82105 82677 86336	Reference Lab	Container 1 SST tube Preferred 5 mls serum Process Spin and separate Transport Send room temp in Genzyme kit **NOTE** No hemolysis		Call Ref Lab		5 days
Serotonin Blood	SRTN	84260	Reference Lab	Container 1 EDTA purple top tube Preferred 3 mls whole blood Minimum 1 ml whole blood Process Place purple top on ice, transfer whole blood into ARUP serotonin tube, mix well, freeze within 2 hrs of collection Transport Send frozen	HPLC	Call Ref Lab		7 days
Serotonin Release Assay Panel	SERAP	86022 X 4	Reference Lab	Container: SST tube Preferred: 5 mls serum Process: Spin and separate Transport: Send refrigerated. Freeze if over 7 days.	Serotonin release assay	Call Ref Lab		3 days
Serum Viscosity	SMVIS	85810	Immunology	Container Three 10mL Red Top Preferred 5 mL Whole Blood Minimum 6 mL Process Centrifuge and separate Storage Frozen Transport Frozen	Ostwald Viscosimeter	1.4 - 1.8	M - F	1-3 days
Sesame Seed IgE	SESAM	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Sex Hormone Binding Globulin	SHBG	84270	Chemistry	Container 1 SST tube Preferred 2 ml serum Minimum 1 mL serum Process Spin and separate Storage Refrigerate (2-8° C) Transport Refrigerate If testing will be delayed more than 8 days, remove serum or plasma from the clot, red blood cells or separator gel and store frozen. Refrigerate (2-8° C) ≤ 8 days Freeze (-10°C) up to 3 months	Chemiluminescence	Males >20 yrs 13.3-89.5 nmol/L Females 20-46 years 18.2-135.5 nmol/L > 47 years 16.8-125.2 nmol/L	M - F	8 HR
Sheep Wool IgE	WOOL	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Short Ragweed IgE	SRAGW	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Shrimp IgE	SHRMP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Sickle Cell Disease	SKCLD	81401	Reference Lab	Container EDTA purple top tubes Preferred 5 mls whole blood (adult) Process Do not spin Transport Send room temp **NOTE** Requisition & consent form must accompany specimen	DNA Analysis	Call Ref Lab		21 days
Sickle Cell Screen	SSCEL	85660	Hematology	Container 1 EDTA (lavender) tube; must be more than 1/2 full for accurate results Preferred 2-3 mL whole blood Vacuated Collection Tube Minimum 1/3 of optimal collection volume of vacuated collection tubes Microcontainer Minimum 0.5 mL Storage Room temperature if testing performed within 2-days of collection; otherwise refrigerate Transport Keep cool **NOTE** Not available for under 6-months of age	Hemoglobin Solubility w/ Sodium Hydrosulfite	Negative	M - SU	2 HR
Silver Birch IgE	BIRCH	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Simple Semen Analysis		89310	Andrology	Must be kept at body temperature and delivered to lab within 1 hour of collection. The lab MUST be contracted for complete informaton and arrangements at 254-724-4408.	Automated with manual verification	See Report	M - F (8AM-4PM)	3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Sinus Culture	SINCU	87070	Microbiology	Using a syringe aspiration technique, obtain material from maxillary frontal or other sinuses. Place the contents of the syringe into an E-swab. Transport to the Microbiology Lab immediately. If immediate transport is not possible, the specimen can be held at room temperature until transport. If the result is positive, identification and susceptibility testing will be performed.	Bacterial culture	No organisms isolated. Positives reported when detected	M - SU	48 HR
Serolimus	SIRO	80197	Chemistry	Container 1 EDTA (Lavender top) tube Preferred 2 mL whole blood Minimum 1 mL whole blood Storage Refrigerate (2-8 °C) Transport Refrigerate **NOTE** EDTA only Do Not Spin Refrigerate (2-8 °C) up to 7 days If testing delayed >7 days, store frozen (-10 °C or colder)	Chemiluminescent Microparticle Immunoassay (CMIA)	4 - 20 ng/ml	M - Su	8 hr
Snail IgE	SNAIL	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Sodium	NA 10500	84295	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room temperature (20-25°C) up to 14 days Refrigerate (2-8°C) up to 14 days Freeze (-20°C) up to 1 year	Ion Selective Electrode	136 - 145 mEq/L	M - SU	4 HR
Sodium - Urine (24 Hr)	UNA 14970	84300	Chemistry	Container: 24 Hour Urine Container Preferred: 10 mL aliquot from well mixed 24 hr collection Minimum: 5 mL aliquot from well mixed 24 hr collection Process: Centrifuge Preservatives: None Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature (20-25°C) up to 45 days Refrigerate (2-8°C) up to 45 days Freeze (-20°C) up to 1 year	Ion Selective Electrode (ISE)	50 - 225 mEq/vol	M - SU	4 HR
Sodium - Urine (Random)	UNA.R 14972	84300	Chemistry	Container: Random Urine Container Preferred: 10 mL urine Minimum: 5 mL urine Process: Centrifuge Preservatives: None Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature (20-25°C) up to 45 days Refrigerate (2-8°C) up to 45 days Freeze (-20°C) up to 1 year	Ion Selective Electrode (ISE)	No Reference Range Available	M - SU	4 HR
Sole IgE	SOLE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Somatostatin	SOMAT	84307	Reference Lab	Container EDTA lavender top Preferred 1.8 mls plasma Process Spin and separate ASAP Transport Send plasma frozen **NOTE** Separate tubes must be sent for multiple tests	Qnt Extraction/Immunoassay	Call Ref Lab		21 days
Soybean IgE	SOY	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Specific Gravity Only, Urine	SPG	81002	Urinalysis	Container: 1- Sterile, plastic, leak-resistant urine container Preferred: 12.0 mL urine; please specify source (1st AM, clean catch, random catch) Minimum: 2-mL urine for adults; 1-mL urine for pediatric Process: Deliver immediately to laboratory Storage: Room temperature if delivered to laboratory within 1-hour of collection; otherwise refrigerate Transport: Tightly seal lid; Keep cool	Refractometer	1.000 - 1.035	M - SU	2 HR
Spinach IgE	SPINH	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Sporothrix Ab	SPTX	86671	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.15 ml serum Process Spin and separate Transport Send refrigerated	Latex Agglutination	Call Ref Lab		5 days
Spuce IgE	SPRUC	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Sputum Culture	SPUCU	87070	Microbiology	Avoid contamination with oral or nasal secretions. Collect in a sterile, tightly sealed container or sputum collection kit. Transport to the Microbiology Lab immediately or refrigerate until transport. Do not store at room temperature. If pathogens are isolated, identification and susceptibility testing will be performed. Sputum will be Gram stained to determine suitability for culture. Gram stains are performed within an 8-hour shift.	Bacterial culture	Normal upper respiratory flora	M - SU	48 HR
Squash (Pumpkin) IgE	SQUAS	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Squid (Pacific) IgE	PSQUD	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Squid IgE	SQUID	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
SSA & SSB Antibody	SSAB1	86235 x2	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	Multiplex Immunoassay	Negative	M - F	1-3 days
ST2, Soluble	ST2S	83006	Reference Lab	Container SST Tube Preferred 1 ml serum Process Allow to clot completely at room temp. Spin and separate within 2 hrs. Transport Send serum frozen.	Quant EIA	Call Ref Lab		10 days
Stadol	STADL	80362	Reference Lab	Container: Random urine container Preferred: 2 mls urine Transport: Send refrigerated	LC/MS/MS	Call Ref Lab		7 days
Stemphylium Herbaru IgE	STEMP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Stimulated Peripheral Blood to detect chromosomal abnormalities in individuals with congenital abnormalities, family HX of chromosome abnormalities, miscarriages, developmental delay, infertility etc.	G-PBL	88230 x2 88262 x1 88291 x1	Cytogenetics	3-5 mLs of blood in sodium heparin (green top) tube. Room temp.	Culture for 72-96 hours with stimulation by PHA to induce mitosis. Harvest and analysis of chromosomes.	Normal male (46,XY) or normal female (46,XX)	M - Su	1-2 weeks If faster turn around needed call lab at 254-724-3704
Stone Analysis	KSTON	82365	Reference Lab	Container Sterile container provided by Urolithiasis Preferred complete stone. **Note: Stone must be dry** Transport Send room temp		Call Ref Lab		10 days
Stool Pathogen Panel by PCR	STPCR	87507	Molecular	Specimen Stool (loose) Container Sterile container Minimum 1.0 mL Storage Refrigerate, if > 24 hrs Freeze Transport Keep cool	Real Time PCR	Negative	Su - F	24 HRs
Stratify JCV Ab w/Index w/Reflex to Inhibition Assay	STJCV	86711	Reference Lab	Container Draw one SST tube Preferred 0.5 mL serum Process Spin and separate Transport Send serum room temp	Immunoassay	Call Ref Lab		7 days
Strawberry IgE	STRAW	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Strep Pneumoniae IgG ab,23	SPN23	86317 x 22	Reference Lab	Container: SST Tube Preferred: 0.5 mls serum Process: Spin and separate Transport: Send refrigerated	Microsphere Photometry	Call Ref Lab		6 days
Strep Screen - Rectal	SS-R	87081	Microbiology	Rectal swab submitted in culturette	Bacterial culture	No Beta-hemolytic Streptococci isolated	M - SU	48 HR

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Strep Screen, Rapid - Group A - Throat	RSS	87880	Microbiology	Specimen collected on sterile culturette. Do not obtain throat samples if epiglottitis is inflamed as sampling may cause serious respiratory obstruction. Depress tongue gently with tongue depressor. Extend sterile swab between tonsillar pillars and behind uvula. Avoid touching cheeks, tongue, uvula or lips. Sweep the swab back and forth across the posterior pharynx, tonsillar areas and any inflamed or ulcerated areas to obtain sample. Transport specimen to the Microbiology Lab immediately. If immediate transport is not possible, the culturette can be stored at room temperature and will be viable up to 24 hours. Recommend culture (Strep Screen Culture) as backup for negative Rapid Strep Screen	Enzyme Immunoassay (EIA)	Negative Positives reported when detected	M - SU	2 HR
Streptococcus Pneumoniae Ag	SPNAG	86403	Reference Lab	Container 1 plain red top tube Preferred 1 ml serum Minimum 0.5 ml serum Process Spin and separate Transport Send frozen	Latex Agglutination	Call Ref Lab		3 days
Streptococcus Pneumoniae Urinary Antigen	SPNUK	87449	Microbiology	Collect urine in a sterile container, with no preservatives. Transport to the Microbiology lab as soon as possible.	Enzyme Immunoassay (EIA)	Negative Positives reported when detected	M-SU	2 HR
Striated Muscle Ab IgG	SMAGG	86255	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin and separate within 2 hrs Transport Send serum refrigerated	Semi-Qnt Indirect Fluorescent Ab	Call Ref Lab		6 days
Strongyloides IgG Ab	STRG	86682	Reference Lab	Container: 1 SST tube Preferred: 1 ml serum Process: Spin and separate Transport: Send serum refrigerated	Semi-Quant Enzyme-Linked Immunosorbent Assay	Call Ref Lab		7 days
Succinylacetone Urine	SUCCU	82543	Reference Lab	Container: Random urine container Preferred: 2 mls urine Transport: Send frozen		Call Ref Lab		5 days
Sugar Beet Seed IgE	SBEET	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Sulfamethoxazole	SFZ	80299	Reference Lab	Container 1 plain red top tube Preferred 1 ml serum Minimum 0.2 ml serum Process Spin and separate within 2 hours Transport Send refrigerated **NOTE** No SST tubes. Peak level should be drawn 60 minutes after dose.	HPLC	Call Ref Lab		4 days
Sunflower Seed IgE	SUNFL	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Sweet Gum IgE	SWGUM	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Sweet Potato IgE	SWPOT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Sweet Vernal IgE	SVGRS	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Swordfish IgE	SWORD	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Synovial Fluid Analysis	SYNOV	89060 89050	Microbiology	Synovial fluid is contained within articulations having a joint cavity. In order to prevent clotting, collect the specimen in a green top (heparin) tube or a syringe containing heparin. The specimen should be kept at room temperature and transported to the microbiology lab immediately. If the specimen is transported in a syringe, dispose of the needle according to policy and cap the syringe before sending to the lab.	Polarization, Hemacytometry / Microscopy	<1000/mcl WBCS	M - SU	2 HR

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Synovial Fluid Culture	SYNCU	87070	Microbiology	Disinfect area. Perform percutaneous aspiration to obtain synovial fluid. Expel into sodium heparin tube. Transport to the Microbiology Lab immediately or specimen can be stored at room temperature for up to 24 hours. If results are positive, the physician will be notified and identification and susceptibilities will be performed.	Bacterial culture	No organisms isolated Positives reported when detected.	M - SU	5 days
T Cell Gene Rearrangement (Beta)	TCRB	81340 G0452	Molecular	3-ml peripheral blood, bone marrow biopsy, bone marrow aspirate anticoagulated with EDTA (Store at 2-8° C (Refrigerate)) or, 5 mm cube of tissue frozen; or at room temperature or on ice in RPMI1640 or, formalin-fixed paraffin embedded tissue	PCR amplification with fluorescent detection	Negative for Rearrange-ment	Batched M - F	7 days, 24 hours TAT for STAT is required
T Cell Gene Rearrangement (Gamma)	TCRG	81342 G0452	Molecular	3-ml peripheral blood, bone marrow biopsy, bone marrow aspirate anticoagulated with EDTA (Store at 2-8° C (Refrigerate)) or 5 mm cube of tissue frozen/at room temperature/on ice in RPMI1640 or formalin-fixed paraffin embedded tissue	PCR amplification with fluorescent detection	Negative for Rearrange-ment	Batched M - F	7 days, 24 hours TAT for STAT is required
T3 Uptake	TUP	84479	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Refrigerate (2-8°C) up to 24 hours on gel If test not performed within 24 hours, separate serum from gel and store at (2-8°C) up to 14 days Freeze (-10°C) up to 30 days	Chemiluminescent Microparticle Immunoassay (CMIA)	27 - 39%	M - SU	4 HR
T3, Free	FT3	84481	Chemistry	Container: 1 Li Heparin tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum Acceptable If testing will be delayed more than 24 hours, remove serum or plasma from the clot, separator or red blood cells and store at 2-8°C. Refrigerate (2-8°C) up to 6 days Freeze (-20°C) if not done within 6 days	Chemiluminescent Microparticle Immunoassay (CMIA)	2.3 - 4.2 pg/mL	M - SU	4 HR
T3, Total	T3 66400	84480	Chemistry	Container: 1 Li Heparin tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum Acceptable If testing will be delayed more than 24 hours, remove serum or plasma from the clot, separator or red blood cells and store at 2-8°C. Refrigerate (2-8°C) up to 6 days Freeze (-20°C) if not done within 6 days	Chemiluminescent Microparticle Immunoassay (CMIA)	0.6 - 1.81 ng/mL	M - SU	4 HR
T4, Free	FT4. 66500	84439	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Refrigerate (2-8°C) up to 24 hours on gel If test not performed within 24 hours, separate serum from gel and store at (2-8°C) up to 6 days Freeze (-10°C) up to 6 days	Chemiluminescent Microparticle Immunoassay (CMIA)	0.76-1.46 ng/dL	M - SU	4HR
T4, Total	T4. 66200	84436	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Refrigerate (2-8°C) up to 24 hours on gel If test not performed within 24 hours, separate serum from gel and store at (2-8°C) up to 6 days Freeze (-10°C) up to 6 days	Chemiluminescent Microparticle Immunoassay (CMIA)	4.8-11.7 ug/dL	M - SU	4HR
Tacrolimus	FK506 76296	80197	Chemistry	Container: 1 EDTA (Lavender top) tube Preferred: 2 mL whole blood Minimum: 1 mL whole blood Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** EDTA only Do not Spin Refrigerate (2-8°C) up to 7 days Frozen (-20°C) 6 months	Chemiluminescent Microparticle Immunoassay (CMIA)	5 - 15 ng/mL	M - SU	8 HR
Tapentadol Urine	TPTDL	80372	Reference Lab	Container: Random urine container Preferred: 20 mls Transport: Send room temp	MS	Call Ref Lab		7 days

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Tarragon IgE	TARRA	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
TBG-Pediatric	LC528	84442	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml serum Process Spin and separate within 1 hr Transport Send frozen	RIA	Call Ref Lab		10 days
Tea IgE	TEA	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Teichoic Acid Abs	TELA	86329	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml serum Process Spin and separate ASAP Transport Send refrigerated	Immunodiffusion	Call Ref Lab		6 days
Testosterone	TESTO	84403	Chemistry	Container 1 SST tube Preferred 2 mL serum Minimum 1 mL serum Process Spin and separate Storage Refrigerate (2-8°C) Transport Refrigerate (2-8°C) **NOTE** Serum Only Remove the serum from clot or separator gel as soon as possible Refrigerate (2-8° C) 7 days Freeze (-20° C)	Chemiluminescent	Male > 18 175-781 ng/dL Female > 21 10-75 ng/dL	M - F	8 HR
Tetanus Ab	TTIGG	86317	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.2 ml serum Process Spin and separate within 2 hrs Transport Send refrigerated	Qnt multiplex Bead Assay	Call Ref Lab		3 days
T-H Cannabinol	THC	80349	Chemistry	Container Random Urine Container Preferred 20 mL of urine Minimum 10 mL of urine Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Preservative - None Refrigerate (2-8°C) up to 5 days Freeze (-20°C) if not done within 5 days	Enzyme Immunoassay	Negative	M - Su	4 HR
Theophylline	THEO. 18350	80198	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Refrigerate (2-8°C) up to 3 months Freeze(-20°C) up to 3 months	Enzyme Immunoassay	8 - 20 mcg/mL	M - SU	4 HR
Thiazide Diurectics Serum	THZDS	80375	Reference Lab	Container 1 plain red top tube Preferred 1 mL serum Process Spin and separate ASAP Transport Send refrigerated	HPLC	Call Ref Lab		5 days
Thiazide Diuretic Urine	THZUR	80307	Reference Lab	Container Random urine container Preferred 2 mL urine Transport Send refrigerated	HPLC	Call Ref Lab		5 days
Throat Culture	THRCU	87081	Microbiology	Specimen collected with sterile culturette. Do not obtain throat samples if epiglottitis is inflamed as sampling may cause serious respiratory obstruction. Depress tongue gently with tongue depressor. Extend sterile swab between tonsillar pillars and behind uvula. Avoid touching cheeks, tongue, uvula or lips. Sweep the swab back and forth across the posterior pharynx, tonsillar areas and any inflamed or ulcerated areas to obtain sample. Transport specimen to the Microbiology Lab immediately. If immediate transport is not possible, the culturette can be stored at room temperature and will be viable up to 24 hours. Notify lab if pathogens other than beta-hemolytic streptococci are sought.	Bacterial culture	No Beta -hemolytic Streptococci isolated	M - SU	48 HR
Thrombin Time (TT)	TTSC 65004	85670	Coagulation	Container 1 sodium citrate (blue top) tube; fill tube to FILL LINE MARK. Preferred 2 mL plasma Minimum 0.5 mL plasma Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes Storage Freeze plasma Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.	Electro-Mechanical Clot Detection	14.4 - 18.6 Sec.	M - SU	1 HR

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Thyme IgE	THYME	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Thyroglobulin by LC-MS/MS	TGMS	84432	Reference lab	Container SST tube Preferred 1.5 mls serum Process Spin and separate Transport Send serum frozen	HPLC-MS	Call Ref Lab		7 days
Thyroglobulin, Tumor Marker	THYTM	84432 86800	Reference Lab	Container 1 plain red top tube Preferred 1 ml serum Process Spin and separate within 2 hours Transport Send serum refrigerated **NOTE** No SST tubes. 12 hours before test patient should not take multivitamins or dietary supplements containing biotin or Vitamin B7	Chemiluminescent Immunoassay	Call Ref Lab		4 days
Thyroid Stimulating Hormone	TSH. 66330	84443	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Refrigerate (2-8°C) up to 24 hours on gel If testing not performed within 24 hours, separate plasma from gel and store at (2-8°C) up to 7 days Frozen (-10°C) up to 6 months	Chemiluminescent Microparticle Immunoassay (CMIA)	See Report	M-Su	4HR
Thyroid Stimulating Immunoglobulin	TSTIG	84445	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.7 ml serum Process Spin and separate Transport Send frozen	Qnt Bioassay / Ant Chimiluminescent Immunoassay	Call Ref Lab		5 days
Thyroperoxidase Ab	TPOAB	86376	Reference Lab	Container 1 SST tube Preferred 0.5 ml serum Minimum 0.4 ml serum Process Spin and separate Transport Send refrigerated	Chemiluminometric Immunoassay	Call Ref Lab		2 days
Thyrotropin Receptor Ab	TTRRA	83520	Reference Lab	Container 1 SST tube Preferred 1 ml serum Process Allow specimen to sit for 15-20 minutes at room temperature. Spin and separate within 2 hrs. Transport Send serum frozen **NOTE** Separate specimens must be sent for multiple tests.	Electrochemiluminescence Immunoassay	Call Ref Lab		4 days
Thyroxine Binding Globulins	TBGS	84442	Reference Lab	Container 1 SST tube Preferred 0.5 ml serum Minimum 0.4 ml serum Process Spin and separate Transport Send frozen	Qnt Chemiluminescent immunoassay	Call Ref Lab		5 days
TIBC Includes Iron and calculated Transferrin Saturation	TIBC 11411	83550 83540	Chemistry	Container: 1 SST tube Preferred: 2 mL serum Minimum: 1 mL serum Process: Spin and separate as soon as possible Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum only Room Temp (22-28°C) up to 2 weeks Refrigerate (2-8°C) up to 1 month Freeze (-20°C) up to 1 month	Colorimetric	TIBC 241 - 421 mcg/dL	M - SU	4 HR
Tilapia IgE	TILAP	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
TilletiaTritici (Ustilago) IgE	TILLE	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Timothy Grass IgE	TGRAS	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Tissue chromosome analysis for detection of chromosome abnormalities in cases of mosaicism or intrauterine fetal demise.	G-TISSUE	88233 x2 88262 x1 88291 x1	Cytogenetics	At least 2-3 mm of tissue placed in sterile tissue culture media (can be obtained from cytogenetics - call 254-724-3704) or sterile saline in a sterile container. May be kept at room temperature or refrigerated overnight.	Culture for 2-4 weeks, harvest and analysis of chromosomes	Normal male (46,XY) or normal female (46,XX)	M - Su	2-4 weeks If faster turn around needed call lab at 254-724-3704

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Tissue chromosome analysis for detection of chromosome abnormalities in solid tumors.	G-ST	88239 x2 88264 x1 88291 x1 88280 x2	Cytogenetics	At least 2-3 mm of tissue placed in sterile tissue culture media (can be obtained from cytogenetics - call 254-724-3704) or sterile saline in a sterile container. May be kept at room temperature or refrigerated overnight.	Culture for 2-6 weeks, harvest and analysis of chromosomes	Normal male (46,XY) or normal female (46,XX)	M - Su	2-6 weeks If faster turn around needed call lab at 254-724-3704
Tissue Immunofluorescence			Immunohistochemistry	Fixative: Michaels Media and instructions available upon request @ extension 254-724-4236	-	-	M - F	Varies
Tissue Transglutaminase IgA Antibody	TGIGA	83516	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	ELISA	< 4 u/ml	Batched at least 2x weekly	1-3 days
Tissue Transglutaminase IgG Antibody	TGIGG	83516	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	ELISA	< 6 u/ml	Batched per workload	1-3 days
Tobacco IgE	TOBAC	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Tobramycin - Peak	TOBRP 73521	80200	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Note: Serum acceptable Should be drawn 30mins after infusion Refrigerate (2-8°C) up to 7 days Freeze(-10°C) up to 14 days	Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	5 - 10 mcg/ mL	M - SU	4 HR
Tobramycin - Random	TOBRR 73522	80200	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Refrigerate (2-8°C) up to 7 days Freeze(-10°C) up to 14 days	Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	See Report	M - SU	4 HR
Tobramycin - Trough	TOBRT 73520	80200	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Should be drawn 15mins before infusion Refrigerate (2-8°C) up to 7 days Freeze(-10°C) up to 14 days	Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	0-1.9 mcg/mL	M - SU	4 HR
Tomato IgE	TOMAT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Topiramate	TMATE	80201	Reference Lab	Container 1 plain red top tube Preferred 1 ml serum Minimum 0.3 ml serum Process Spin and separate within 2 hrs Transport Send refrigerated **NOTE** No SST tubes Pre-dose (trough) draw	Qnt Enzyme Immunoassay	Call Ref Lab		3 days
Total Protein	TP 12300	84155	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 7 days Refrigerate (2-8°C) up to 4 weeks Freeze (-20°C) up to 2 months	Biuret	See Report	M - SU	4 HR

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Total Protein - CSF	CSFTP 12800	84157	Chemistry	Container: Sterile Container Preferred: 2 mL CSF Minimum: 1.5 mL CSF Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Avoid hemolysis Room temperature (20-25°) up to 1 day Refrigerate (2-8°C) up to 6 days Frozen (-20°C) up to 1 year	Benzethonium Chloride	15 - 60 mg/dL	M - Su	4 HR
Total Protein - Urine (24 Hr)	UPRO 14981	84156	Chemistry	Container: 24 Hour Urine Container Preferred: 10 mL aliquot from well mixed 24 hr collection. Minimum: 5 mL aliquot from well mixed 24 hr collection Process: Centrifuge Preservatives - None Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Specimens stored with no additives are stable Room temperature 920-25°C) up to 1 day Refrigerate (2-8°C) up to 7 days Frozen (-20°C) up to 1 month	Benzethonium Chloride	0 - 150 mg/vol	M - SU	4 HR
Total Protein - Urine (Random)	UPR.R 14982	84156	Chemistry	Container: Random Urine Container Preferred: 10 mL aliquot Minimum: 5 mL aliquot Process: Centrifuge Preservatives: None Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Specimens stored with no additives are stable Room temperature (20-25°C) up to 1 day Refrigerate (2-8°C) up to 7 days Frozen (-20°C) up to 1 month	Benzethonium Chloride	See Report	M - SU	4 HR
Total Protein, Body Fluid	TP.F 12303	84157	Chemistry	Container: Sterile Contatiner Preferred: 5 mL body fluid Minimum: 1 mL body fluid Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature (20-25°C) up to 6 days Refrigerate (2-8°C) up to 4 weeks Freeze (-20°C) up to 1 year	Biuret	No Reference Range Available	M - SU	4 HR
Toxoplasma Gondii Ab IgA	TXPGA	86777	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.1 ml serum Process Spin and separate Transport Send refrigerated	ELISA	Call Ref Lab		6 days
Toxoplasma gondii IgG Antibody	TOXOG	86778	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	ELISA	Negative	Batched at least 2x weekly	1-3 days
Toxoplasma gondii IgM Antibody	TOXOM	86762	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	IFA	Negative	M - F	1-3 days
Toxoplasma Gondii PCR Blood	TOXB	87798	Reference Lab	Container EDTA lavender top tube Preferred 1 ml whole blood Process Do not spin Transport Send whole blood refrigerated	PCR/DNA Probe Hybridization	Call Ref Lab		4 days
Toxoplasma PCR	TPCR	87798	Reference Lab	Container Sterile container Preferred 1 ml amniotic fluid Minimum 0.3 ml amniotic fluid Process Maintain sterility of specimen Transport Send refrigerated **NOTE** Specimens grossly contaminated with blood may inhibit the PCR and produce false-negative results	PCR/DNA Probe Hybridization	Call Ref Lab		4 days
TPMT	TPMT	81401	Reference Lab	Container 1 EDTA purple top tube Preferred 5 mls whole blood Process Do not spin Transport Send refrigerated		Call Ref Lab		7 days
Tracheal Aspirate Culture	TACU	87070	Microbiology	Aspirate tracheostomy or endotracheal specimen into sterile sputum trap. Transport to the Microbiology lab immediately or specimen may be refrigerated for up to 24 hours.	Bacterial culture	Normal upper respiratory flora	M - SU	48 HR
Tragacanth IgE	TRAG	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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Tramadol LC/MS Urine	TRAMS	G0480	Chemistry	Container Random urine container Preferred 3 mls urine Minimum 300 ul Transport Send refrigerated Storage 2 days at room temperature 6 days refrigerated at 2 to 8°C 30 days frozen at -15 to -30°C	Liquid Chromatography Tandem Mass Spectrometry	See Report	M - F	3 days
Transferrin	TRAN	84466	Chemistry	Container: 1 Lithium Heparin (green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Refrigerate (2-8°C) up to 3 days Freeze (20°C) up to 6 months	Immunoturbidimetric	200-360 mg/dl	M - S	4 HR
Transplant (Renal) Allogeneic Screening Crossmatch	TXRXM	86805	HLA	1.0 ml of serum, must have current specimen in lab, or current serum blood draw. This is drawn on the recipient. Separate order required for living donor as Donor Blood HLA Crossmatch. (TXDON)	Microcytotoxicity of Flow Cytometry	See Report	M - F	48 HR on open donor case
Transplant (Renal) Autologous Crossmatch	AUXM1	86805	HLA	1.0 ml of serum, AND 20 ml of ACD-A anticoagulated blood. Do not refrigerate. Do not spin. Keep at room temperature. Test draw can be combined with HLA -ABC and/ or HLA-DR typing using a total of 4 ACD-A tubes, and 1.0 ml of serum.	Flow Cytometry or Microcytotoxicity	See Report	M-F	6 days
Transplant (Renal) Final Allogeneic Crossmatch	TXRXM	86825 and 86826 or 2 X 86805	HLA	1.0 ml of serum, drawn on the recipient. Separate order required for living donor as Donor Blood HLA Crossmatch. (TXDON)	Flow Cytometry or Microcytotoxicity	See Report	M-Su	48 HR on open donor case
Transplant (Renal) HLA - ABC Typing HLA Class I Type	TXHL1	81372	HLA	One 10 ml yellow top (ACD-A) tube or Do not refrigerate. Do not spin. Keep at room temperature.	PCR - SSP	See Report	M - F	7 days
Transplant (Renal) HLA-PRA	TXPRA 41308	86828 86829	HLA	1 ml serum. Notify lab if patient has been transfused within the last 7 days. If patient is to be transfused, draw the specimen before transfusion.	Enzyme-linked Immunosorbent Assay (ELISA) or Flow Cytometry or Multiplex Immunoassay	See Report	M - F (batch)	15 days
Transplant HLA - DR Typing Transplant (Renal) HLA Class II Type	TXHL2	81375	HLA	10 ml of blood in 1 yellow top (ACD-A) tube. Do not spin. Store at room temperature.	PCR - SSP	See Report	M - F	7 DAYS
Transplant HLA Typing Complete	TXTYP	81370	HLA	20 ml of blood in two yellow tip (ACD-A) tubes. Do not refrigerate. Store at room temperature. Notify lab if patient has been transfused.	PCR-SSP	See Report	M-F	7 days
Tree Panel #1 IgE Birch (silver), Box Elder/Maple, Elm, Oak, Walnut	TREE1	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Tree Panel #2 IgE Cedar (Mountain), Cottonwood, Elm, Mesquite, Oak	TREE2	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Tree Panel #3 IgE Cottonwood, Elm, Grey Adler, Hazelnut, Willow	TREE3	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Tree Panel #4 IgE Acacia, Eucalyptus, Melaleuca leucadendron, Olive, Pine (white), Willow	TREE4	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Treponema Pallidum Particle Agglutination (TPPA)	TPPA	86780	Immunology	Container 1 SST Tube or 1 Lithium Heparin tube Preferred 1 ml Serum/ Plasma Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	Agglutination	Negative	M-F	1-3 days
Trichinella Ab IgG	TRCHN	86784	Reference Lab	Container 1 SST tube Preferred 0.5 ml serum Minimum 0.15 ml serum Process Spin and separate Transport Send frozen	ELISA	Call Ref Lab		7 days
Trichoderma Viride IgE	TVIRI	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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Trichomonas Vaginalis PCR	TVPCR	87661	Molecular	Specimen Genital Swab in APTIMA Collection Device (same tube can be used for CT/NG) Container APTIMA Collection Device Minimum 1.0mL Storage 2-30°C Transport Keep cool	Target Amplification	Negative	Batched M - F	3 days, 24 hours TAT for STAT is required
Trichophyton Rubrum IgE	TRUBR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Trichosporon Pullulans IgE	TPULL	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Tricyclic Antidepressant	TCA	80335	Chemistry	Container Random Urine Container Preferred 20 mL of urine Minimum 10 mL of urine Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** Preservative - None Refrigerate (2-8°C) up to 5 days Freeze (-20°C) if not done within 5 days	Immunochromatography	Negative	M - Su	4 HR
Tricyclic Antidepressant Urine	PMTCA	80335	Reference Lab	Container Random urine container Preferred 20 mls urine Transport Send room temp	MS	Call Ref Lab		7 days
Triglyceride	TRIG. 11700	84478	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature (20-25°C) up to 24 hours Refrigerate (2-8°C) up to 7 days Frozen (-20°C) up to 1 year	Glycerol Phosphate Oxidase	See Report	M - SU	4 HR
Triglyceride, Body Fluid	TGLF	84478	Chemistry	Container: Sterile Container Preferred: 5 mL body fluid Minimum: 1 mL body fluid Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature (20-25°C) up to 2 days Refrigerate (2-8°C) up to 1 week Freeze (-20°C) up to 1 year	Glycerol Phosphate Oxidase	No Reference Range Available	M - SU	4 HR
Trileptal (oxcarbazepine)	TRLPT	80183	Reference Lab	Container 1 plain red top tube Preferred 1 ml serum Minimum 0.5 ml serum Process Draw specimen immediately before next scheduled dose. Spin and separate within 2 hrs Transport Send refrigerated **NOTE** No SST tubes	HTLC-MS/MS	Call Ref Lab		3 days
Trimipramine	TRIMI	80335	Reference Lab	Container: 1 plain red top tube Preferred: 2 mls serum Process: Spin and separate Transport: Send room temp, alter 3 days - refrigerate Note: No SST tubes	LC/MS/MS	Call Ref Lab		4 days
Trofile - HIV	TFILE	87999	Reference Lab	Container: 1 EDTA purple top tube Preferred: 3 mls plasma Process: Spin and separate immediately Transport: Send frozen Note: Viral load must be >or = 1000 copies/ml		Call Ref Lab		21 days
Troponin I	TROPI	84484	Chemistry	Container: Lithium Heparin (green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge within 2 hours of collection Storage: Refrigerate (2-8°C) up to 8 hours after collection Transport: Refrigerate **NOTE** Serum acceptable If testing not performed within 8 hours, separate plasma or serum from cells, clot or serum separator and store at (2-8°C) up to 72 hours Frozen (-10°C or below) up to 30 days	Chemiluminescence Microparticle Immunoassay (CMIA)	See Report	M - SU	4 HR
Trout IgE	TROUT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Trypanosoma Cruzi IgG	TCRUZ	86753	Reference Lab	Container 1 SST tube Preferred 0.5 ml serum Process Spin and separate within 2 hrs of draw Transport Send serum refrigerated	Semi-Quantitative Rapid Strip Assay	Call Ref Lab		10 days
Trypsase	TTASE	83520	Reference Lab	Container 1 SST tube Preferred 0.5 ml serum Minimum 0.2 ml serum Process Spin and separate Transport Send frozen	FELA	Call Ref Lab		4 days
TSH Receptor Ab	TTRRA	83520	Reference Lab	Container 1 plain red top tube Preferred 1 ml serum Minimum 0.5 ml serum Process Spin and separate Transport Send refrigerated **NOTE** Patients should not take multivitamins or dietary supplements containing biotin (Vitamin B7) for 12 hours prior to collection	Binding Inhibition Assay	Call Ref Lab		5 days
T-SPOT	TSPOT	86480	Reference Lab	Container: lithium heparin green top tubes Preferred: 3 full tubes whole blood Process: Do not spin or refrigerate. Storage: Send room temp. **NOTE** Draw Mon-Fri only. Must be in Ref Lab by 2 pm.Do not draw before 7 am. Sodium heparin acceptable.		Call Ref Lab		72 hrs
Tumor Necrosis Factor - Alpha	TNF-A	83520	Reference Lab	Container: SST tube Preferred: 1ml serum Process: Spin and separate within 2hrs Transport: Send Frozen **NOTE** Separate specimens must be submitted for multiple tests	Quant Multiplex Bead Assay	Call Ref Lab		7 days
Tuna IgE	TUNA	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Turkey Feathers IgE	TURKF	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Turkey IgE	TURKY	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Type and Cross (to prepare RBCs)	TCROS	86900 86901 86850 86923/ 86922/ 86920	Transfusion Service Blood Bank	Container 6ml EDTA pink top Minimum 3ml EDTA purple top Storage RT	Column Agglutination Hemagglutination Solid Phase	NA		8 hours
Type and Screen	TNS	86900 86901 86850	Transfusion Service Blood Bank	Container 6ml EDTA pink top Minimum 3ml EDTA purple top Storage RT	Column Agglutination Hemagglutination Solid Phase	NA		8 hours
Typhus Fever Abs	TFAB	86757 x 2	Reference Lab	Container: 1 SST tube Preferred: 1 ml serum Process: Spin and separate within 2 hrs. Transport: Send serum refrigerated	Semi-Quantitative Indirect Fluorescent Ab	Call Ref Lab		6 days
Ulocladium Chartarum IgE	UCHAR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Ultrasensitive PSA	U.PSA	84153	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.5 ml serum Process Allow specimen to clot completely at room temperature. Spin and separate within 2 hrs Transport Send frozen	Electrochemiluminescent Immunoassay	Call Ref Lab		2 days
Unstimulated Bone Marrow to detect chromosome abnormalities in malignancy	G-BM	88237 x2 88264 x1 88280 x2 88291 x1	Cytogenetics	3-5 mLs of bone marrow from the 1st aspiration or 2nd aspiration after needle rotation drawn in a heparinized syringe and transferred to a sodium heparin (green top) tube for hematologic abnormalities. Room temp.	Culture for 24-72 hours depending on indication, harvest and analysis of chromosomes	Normal male (46,XY) or normal female (46,XX)	M - Su	1-2 weeks If faster turn around needed call lab at 254-724-3704
Unstimulated Peripheral Blood to detect chromosome abnormalities in malignancy	G-PB	88237 x2 88264 x1 88280 x2 88291 x1	Cytogenetics	3-5 mLs of blood in sodium heparin (green top) tube. Room temp.	Culture for 24-72 hours depending on indication, harvest and analysis of chromosomes	Normal male (46,XY) or normal female (46,XX)	M - Su	1-2 weeks If faster turn around needed call lab at 254-724-3704

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Urea Nitrogen - Urine (Random)	UUN.R 14992	84540	Chemistry	Container: Random Urine Container Preferred: 10 mL of urine Minimum: 5 mL of urine Process: Centrifuge Preservative: None Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature (20-25°C) up to 2 days Refrigerate (2-8°C) up to 7 days Freeze (-10°C) up to 1 month	Urease with GLDH	No Reference Range Available	M - SU	4 HR
Urea Nitrogen - Urine (24 Hr)	UUN 14991	84540	Chemistry	Container: 24 Hour Urine Container Preferred: 10 mL aliquot from well mixed 24 hr collection Minimum: 5 mL of aliquot from well mixed 24 hr collection Process: Centrifuge Preservative: None Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Room Temperature (20-25°C) up to 2 days Refrigerate (2-8°C) up to 7 days Frozen (-20°C) up to 1 month	Urease with GLDH	667 - 2500 mg/dL 12 - 20 gm/24hrs	M - SU	4 HR
Uric Acid	URIC 11400	84550	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Room Temperature(20-25°C) up to 3 days Refrigerate (2-8°C) up to 7 days Freeze(-20°C) up to 6 months	Uricase	See Report	M - SU	4 HR
Uric Acid - Urine (24 hr)	UURIC 14891	84560	Chemistry	Container: 24 Hour Urine Container Preferred: 10 mL aliquot from well mixed 24 hr collection Minimum: 5 mL of aliquot from well mixed 24 hr collection Process: Centrifuge Preservative: 10 mL 5% NaOH. If preservative is not used during collection, adjust pH to 8.9 with 5% NaOH Storage: Room temperature Transport: Room temperature **NOTE** Room Temperature (20-25°C) up to 4 days pH > 8 Refrigeration not recommended	Uricase	200 - 700 mg/vol	M - SU	4 HR
Uric Acid - Urine (Random)	UUR.R 14892	84560	Chemistry	Container: Random Urine Container Preferred: 10 mL of urine Minimum: 5 mL of urine Process: adjust pH to 8-9 with 5% NaOH. Centrifuge Storage: Room temperature Transport: Room temperature **NOTE** Room Temperature(20-25°C) up to 4 days pH>8 Refrigeration not recommended	Uricase	No Reference Range Available	M - SU	4 HR
Urinalysis - Routine	UA 60000	81001	Urinalysis	Container: 1- Sterile, plastic, leak-resistant urine container Preferred: 12.0 mL urine; please specify source (1st AM, clean catch, random catch) Minimum: 2-mL urine for adults; 1-mL urine for pediatric. Sample volume less than 2 mL, may limit the extent of procedure. Process: Deliver immediately to laboratory Storage: Room temperature if delivered to laboratory within 1-hour of collection; otherwise refrigerate Transport: Tightly seal lid; Keep cool. **NOTE** Screening for reducing substance not included.	Visual, Test Strip & Microscopic Exam; Automated or Manual	See Report	M - SU	2 HR
Urinalysis, Chemistry Dipstick Only	UADIP	81002	Urinalysis	Container: 1- Sterile, plastic, leak-resistant urine container Preferred: 12.0 mL urine; please specify source (1st AM, clean catch, random catch) Minimum: 2-mL urine for adults; 1-mL urine for pediatric Process: Deliver immediately to laboratory Storage: Room temperature if delivered to laboratory within 1-hour of collection; otherwise refrigerate Transport: Tightly seal lid; Keep cool	Test Strip; Automated or Manual	See Report	M - SU	2 HR
Urinalysis, Microscopic Only	UAMIC	81015	Urinalysis	Container: 1- Sterile, plastic, leak-resistant urine container Preferred: 12.0 mL urine; please specify source (1st AM, clean catch, random catch) Minimum: 2-mL urine for adults; 1-mL urine for pediatric Process: Deliver immediately to laboratory Storage: Room temperature if delivered to laboratory within 1-hour of collection; otherwise refrigerate Transport: Tightly seal lid; Keep cool	Macroscopic & Microscopic Screen; Automated or Manual	See Report	M - SU	2 HR
Urine Culture	UC	87086	Microbiology	Give patient clear and detailed instructions for a clean catch specimen (directions also provided in collection kit). Collect in sterile container and deliver to the Microbiology Lab immediately. If immediate transport is not possible, refrigerate the specimen or place in gray top vacutainer C&S tube. Transport tube is available in General Stores.	Bacterial culture	No organisms isolated Positives reported when detected.	M - SU	48 HR
Urine Drug Screen Mail Out	DRGU	80307	Reference Lab	Container: Random urine container Preferred: 30 mls urine Minimum: 7 mls urine Transport: Send urine room temp	IA/MS	Call Ref Lab		7 days

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Specimen Collection Information

TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Uro Risk Profile	URRK	82340 82507 82570 83735 83945 83986 84105 84133 84300 84392 84560	Reference Lab	Container: Special 24 hr jug provided by Quest Process: Special instructions with kit Transport: Send refrigerated		Call Ref Lab		5 days
Valproic Acid	VALPR 18500	80164	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Refrigerate (2-8°C) up to 48 hours Freeze (-20°C) up to 7 days	Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	50 - 100 mcg/mL	M - SU	4 HR
Vancomycin - Peak	VANCP 73531	80202	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Collect 1 hour after infusion Refrigerate (2-8°C) up to 7 days Frozen (-10°C) up to 14 days	Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	20 - 40 mcg/mL	M - SU	4 HR
Vancomycin - Random	VANCR 73532	80202	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Refrigerate (2-8°C) up to 7 days Frozen (-10°C) up to 14 days	Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	See Report	M - SU	4 HR
Vancomycin- Trough	VANCT 73530	80202	Chemistry	Container: 1 Lithium Heparin (Green top) tube Preferred: 2 mL plasma Minimum: 1 mL plasma Process: Spin and separate Storage: Refrigerate (2-8°C) Transport: Refrigerate **NOTE** Serum acceptable Collect 15mins before infusion Refrigerate (2-8°C) up to 7 days Frozen (-10°C) up to 14 days	Particle Enhanced Turbidimetric Inhibition Immunoassay (PETINIA)	See Report	M - SU	4 HR
Vanilla IgE	VANIL	86003	Immunology	Container: 1 SST tube Preferred: 0.5 ml serum for each 5 allergens Process: Spin and separate Storage: Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Vanillylmandelic Acid (VMA) Urine	VMA.	84585	Reference Lab	Container: 24 hr urine jug with 25 mls 50% acetic acid Preferred: 5.2 mls urine Minimum: 2 mls urine Process: Aliquot into plastic tube Storage: Send refrigerated **NOTE** Add 15 mls acetic acid for children less than 5 L-dopa should be discontinued 24 hours prior to and during collection	LC-MS/MS	Call Ref lab		4 days
Varicella IgM	VAR.M	86787	Reference Lab	Container: 1 SST tube Preferred: 1 ml serum Minimum: 0.1 ml serum Process: Spin and separate within 2 hours Transport: Send refrigerated	ELISA	Call Ref Lab		6 days
Varicella Zoster IgG Antibody	VZVG	86787	Immunology	Container: 1 SST tubes Preferred: 1 ml Serum Minimum: 0.5 ml Process: Centrifuge Storage: Refrigerate (2-8°C) Transport: Refrigerate	Multiplex Immunoassay	Negative	M-Su	1-3 days
Varicella Zoster Virus (VZV) (Other)	VZVO	87798 x 1	Molecular	Swab in M4 Viral Transport Media *Store at 2-8°C (Refrigerate)	Real Time PCR	Negative	Batched M - F	3 days, 24 hours TAT for STAT is required
Vascular Endothelial Growth Factor	VEGF	82397	Reference Lab	Container: EDTA lavender top tube Preferred: 1 ml plasma Process: Spin and separate within 2 hrs Transport: Send frozen **NOTE** Separate tubes must be sent for multiple tests	Quant Chemiluminescent Immunoassay	Call Ref Lab		10 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Vasoactive Intestinal Polypeptide	VIP	84586	Reference Lab	Container 1 EDTA purple top tube Preferred 1 ml plasma Minimum 0.55 ml plasma Process Spin and separate immediately Transport Send frozen **NOTE** Pt must be fasting 8 hrs	RIA	Call Ref Lab		7 days
VDRL - CSF	VDSCF	86592 VDTTT 86593	Immunology	Container CSF Tube Preferred 1 ml Serum Minimum 0.5 ml Storage Refrigerate (2-8°C) Transport Refrigerate	Flocculation	Non-reactive	M - SU	1 day
VDRL - Serum	VDRL	86592 VDTTT 86593	Immunology	Container 1 SST tubes Preferred 1 ml Serum Minimum 0.5 ml Process Centrifuge Storage Refrigerate (2-8°C) Transport Refrigerate	Flocculation	Non-reactive	M - SU	1 day
Vitamin A	vtma	84590	Reference Lab	Container: SST Tube Preferred: 1 ml serum Process: Spin and separate within 1 hour. Avoid heolysis Transport: Send refrigerated **NOTE** Pt should fast for 12 hrs and abstain from alcohol for 24 hrs prior to draw	Quant HPLC	Call Ref Lab		5 days
Vitamin B1 (Thiamine)	VTB1W	84425	Reference Lab	Container: 1 sodium or lithium heparin green top tube Preferred: 3 mls whole blood Minimum: 0.6 ml Process Aliquot whole blood into plastic pour off tube Transport: Send whole blood frozen **NOTE** EDTA whole blood also acceptable. Separate specimens must be sent for multiple tests.	HPLC	Call Ref Lab		7 days
Vitamin B12	VB12 68120	82607	Chemistry	Container 1 SST tube Preferred 2 mL serum Minimum 1 mL serum Process Spin and separate Storage Refrigerate (2-8°C) Transport Refrigerate **NOTE** No Hemolyzed Samples Lithium Heparin Acceptable Room Temperature 3 days Refrigerate (2-8°C) up to 7 days Freeze (-20°C)	Chemiluminescent Microparticle Immunoassay (CMIA)	See Report	M - SU	4 HR
Vitamin B2 (Riboflavin)	VB2	84252	Reference Lab	Container: Sodium heparin green top tube Preferred: 1 ml plasma Process: Spin and separate within 1 hour. Protect from light during collection, storage and shipment. Transport: Send plasma frozen	Quant HPLC	Call Ref Lab		7 days
Vitamin B6	VTMB6	84207	Reference Lab	Container: Sodium heparin green top tube Preferred: 1 ml plasma Process: Protect from light during collectin, storage and shipment. Spin and separate within 1 hr. Transport: Send plasma frozen **NOTE** Pt must be fasting overnight. Separate specimens must be submitted for multiple tests.	Quant HPLC	Call Ref Lab		5 days
Vitamin C (Ascorbic Acid)	ABSAC	82180	Reference Lab	Container Lithium heparin green top tube Preferred 0.5 mls plasma Process Place tube in ice bath immediately. Spin, separate and freeze within 1 hr. Protect from light Transport Send plasma frozen **NOTE** Separate tubes must be sent for multiple tests.	HPLC	Call Ref Lab		6 days
Vitamin D 1,25	VT125	82652	Reference Lab	Container SST tube Preferred 1 ml serum Process Allow to sit 15-20 mins at room temp, Spin and separate within 2 hrs Transport Send refrigerated	Quant RIA	Call Ref Lab		3 days
Vitamin D 25 (Hydroxy)	VITD	82306	Chemistry	Container 1 SST tube Preferred 2 mL serum Minimum 1 mL serum Process Centrifuge Storage Refrigerate (2 - 8° C) **NOTE** Lithium Heparin Acceptable Room temperature up to 3 days Refrigerate (2 - 8° C) up to 12 days Freeze (-20°C) up to 3 months	Chemiluminescence Microparticle Immunoassay (CMIA)	30 - 80 ng/mL	M - Su	4 HR
Vitamin E	VITAE	84446	Reference Lab	Container SST tube Preferred 1 ml serum Process Spin and separate within 1 hr. Avoid hemolysis Transport Send serum refrigerated **NOTE** Pt must be fasting 12 hrs and abstain from alcohol for 24 hrs prior to draw	HPLC	Call Ref Lab		3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Vitamin K	VT.K	84597	Reference Lab	Container 1 SST tube Preferred 2.5 ml serum Minimum 0.6 ml serum Process Spin and separate; aliquot into amber tube to protect from light Transport Send frozen **NOTE** Protect from light during collection, storage and shipment. Pt should be fasting 12 hrs and should not consume alcohol for 24 hrs prior to draw. Separate specimens must be sent for multiple tests.	HPLC	Call Ref Lab		7 days
VMA Random Urine	VM.RA	84585	Reference Lab	Container Random urine container Preferred 5 mls urine Minimum 3 mls urine Storage Send refrigerated **NOTE** Patient should abstain from medications for 72 hours prior to collection	Enzyme-Linked Immunosorbent Assay	Call Ref lab		4 days
von Willebrand Factor	Antigen VWAG	85246	Coagulation	Container 1 - sodium citrate (blue top) tube; fill tube to FILL LINE MARK. Preferred 2 mL plasma Minimum 0.5 mL plasma Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes Storage Freeze plasma Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.	Immuno-turbidometric	50 - 150%	M - F (batch)	2 HR
von Willebrand Ristocetin Cofactor	VVRCF	85245	Coagulation	Container 1 - sodium citrate (blue top) tube; fill tube to FILL LINE MARK. Preferred 2 mL plasma Minimum 0.5 mL plasma Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes Storage Freeze plasma Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.	platelet aggregation	40 - 150%	M - F (batch)	2 HR
von Willebrand Screen	VWSCR	86510 85730 85670 85246 x2 85245	Coagulation	Container 2 - sodium citrate (blue top) tube; fill tube to FILL LINE MARK. Preferred 4 mL plasma Minimum 1 mL plasma Process Centrifuge specimen ASAP, remove plasma & freeze in plastic tubes Storage Freeze plasma Transport Frozen; DO NOT transport until sample completely frozen for at least 1 hour prior to shipping. DO NOT thaw sample after freezing.	See individual tests	See individual tests	M - F (batch)	3 Days
Voriconazole	VRCZ	80299	Reference Lab	Container: Plain red top Preferred: 1 ml serum Process: Spin and separate Transport: Send serum frozen **NOTE** No SST tubes	Quant HPLC/MS	Call Ref Lab		7 days
VW Multimer	VWFM2	85247	Reference Lab	Container 1 blue top citrate tube Preferred 1 ml platelet-poor plasma in 2 vials of .5 ml each Process Spin and separate, spin again, place plasma in plastic vial Storage Send plasma frozen. **NOTE** Specimen should be drawn prior to coagulation factor replacement therapy.	Electrophoresis	Call Ref Lab		10 days
Walnut (food) IgE	WALNT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Walnut Tree	WALTR	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Warfarin Level	WARFN	80375	Reference Lab	Container 1 plain red top tube Preferred 2 mls serum Process Spin and separate Transport send refrigerated **NOTE** No SST tubes	HPLC	Call Ref Lab		5 days
Wasp Venom (paper) IgE	WASPV	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Watermelon IgE	WATMN	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Weed Panel #1 IgE English Plantain, Lamb's Quarter, Mugwort, Russian Thistle, Short Ragweed	WEED1	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Weed Panel #2 IgE English Plantain, Lamb's Quarter, Mugwort, Red Scale, Western Ragweed	WEED2	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Weed Panel #3 IgE English Plantain, Lamb's Quarter, Red Sorrel, Russian Thistle	WEED3	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Weed Panel #4 Giant Ragweed, Short Ragweed, Western Ragweed	WEED4	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
West Nile IgG	WNIGG	86789	Reference Lab	Container SST Tube Preferred 1 ml serum Process Spin and separate within 2 hours Transport Send serum refrigerated	Semi-Quant Enzyme-Linked Immunosorbent Assay	Call Ref Lab		5 days
West Nile Virus IgM	WNIGM	86788	Reference Lab	Container 1 SST tube Preferred 1 ml serum Minimum 0.15 ml serum Process Spin and separate within 2 hours of draw Transport Send refrigerated	ELSIA	Call Ref Lab		8 days
West Nile Virus IgM CSF	WN.VM	86788	Reference Lab	Container: Sterile container Preferred: 2mls CSF Transport: Send refrigerated	Semi-Quant enzyme-linked Immunosorbent Assay	Call Ref Lab		10 days
West Nile Virus PCR (Blood)	WNPCR	87798	Molecular	Specimen EDTA Plasma or Serum Container 3 ml lavender tube/SST Tube Minimum 0.5 ml Storage Freeze Transport Freeze	PCR	Negative	Batched M - F	48 Hr
West Nile Virus PCR (CSF)	WNCSE	87798	Molecular	Container CSF Container Sterile Container Minimum 0.5 ml Storage Freeze Transport Freeze	PCR	Negative	As needed	48 Hr
Western Ragweed IgE	WRAGW	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Wet Prep - Vaginal	WET	87210	Microbiology	Vaginal swab placed in a sterile tube containing 2 ml of sterile physiological saline. The specimen must be transported immediately to the Microbiology lab.	Manual/saline wet mount/microscopy	No T. vaginalis No yeast No clue cells No WBC's	M - SU	30 MIN
Wheat IgE	WHEAT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Whey (Cow) IgE	WHEY	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Whipple's Disease	WHIP	87798	Reference Lab	Container 1 EDTA purple top tube Preferred 1 ml whole blood Minimum 0.5 ml whole blood Process Do not spin Transport Send refrigerated	PCR	Call Ref Lab		10 days
White Ash IgE	ASH	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
White Bean IgE	WBEAN	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
White Blood Cell (WBC)	WBC	85048	Hematology	Container 1 EDTA (lavender) tube must be more than 1/2 full for accurate results Preferred 2-3 mL whole blood Vacuated Collection Tube Minimum 1/3 of optimal collection volume of vacuated collection tubes Microcontainer Minimum 0.5 mL Storage Store whole blood at room temperature if testing is performed within 4-hours of collection; otherwise refrigerate. Refrigerated sample satisfactory for 24-hours. Transport Keep cool	Cell Counter; Automated	4,800 - 10,800 /mm3 Adult; See report for age specific ranges.	M - SU	2 HR
White Potato IgE	POTAT	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
White-Faced Hornet Venom IgE	WFHV	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Wild Rye Grass IgE	WRGRS	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Willow IgE	WILOW	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Wormwood IgE	WORMW	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Wound Culture	WOCUC	87070	Microbiology	Culture and Gram stain may be performed on the same specimen submitted in the Eswab collection device. Disinfect the surface of the wound with 70% alcohol and then with iodine. Open lesion and express pus onto the Eswab. Sample the advancing margin of the lesion. If possible, biopsy material should be submitted. Transport to Microbiology as soon as possible or the specimen may be held at room temperature for up to 24 hours in the Eswab collection device.	Bacterial culture	No organisms isolated. Positives reported when detected.	M - SU	48 HR
Yeast (Baker's, Brewers) IgE	YEAST	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Yellow Face Hornet Venom IgE	YFHV	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Yellow Jacket (common wasp) Venom IgE	YEJAV	86003	Immunology	Container 1 SST tube Preferred 0.5 ml serum for each 5 allergens Process Spin and separate Storage Refrigerate (2-8°C)	FUEA (ImmunoCAP)	< 0.35 (Class 0-Negative) **NOTE: Only one result generated for panels	M - F	1 - 3 days
Zarontin (Ethosuximide)	ETX	80168	Reference Lab	Container 1 SST tube Preferred 0.5 ml serum Minimum 0.25 ml serum Process Spin and separate within 2 hrs Transport Send refrigerated	Immunoassay	Call Ref Lab		2 days
Zika Virus IgM	ZKVGIM	86790	Reference Lab	Container SST tube Preferred 2 mls serum Process Spin and separate within 2 hrs Transport Send serum refrigerated **NOTE** Patient history questions must be completed	Semi-Qnt Enzye-Linked Immunsorbent Assay	Call Ref Lab		7 days
Zinc Protoporphyrins	ZPPAR	84202	Reference Lab	Container EDTA lavender top Preferred 1 ml whole blood Process Do not spin Transport Send whole blood refrigerated	Qnt Hematofluometry	Call Ref Lab		5 days
Zinc Serum	ZNC	84630	Reference Lab	Container: Royal blue monojct tube no additive Preferred: 2 mls serum Process: Spin and separate within 2 hrs, pour off into metal free tube Transport: Send room temp **NOTE**	Quant Inductively Coupled Plasma-Mass Spec	Call Ref Lab		3 days

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TEST	Order Code	CPT Code	Dept	Specimen Requirement	Methodology	Reference Range	Set-up Day	Results available
Zinc Transporter 8 Antibody	ZNCT8	86341	Reference Lab	Container SST tube Preferred 0.5mls serum Process Spin and separate Transport Send serum refrigerated	Quant ELISA	Call Ref Lab		8 days
Zonegran	ZONG	80203	Reference Lab	Container 1 plain red top tube Preferred 1 ml serum Minimum 0.5 ml serum Process Spin and separate within hours Transport Send refrigerated **NOTE** No SST tubes	HPLC	Call Ref Lab		5 days