

# ALPHABETICAL LISTING OF INDIVIDUAL TESTS

It is suggested that all tests drawn in serum separation tubes be allowed to clot for 20-30 minutes and then spun down for 20 minutes to allow for complete separation of serum from cells. For tests which are FROZEN, the specimen should be spun down, serum or plasma removed, placed in the proper holding vial and FROZEN prior to courier pick-up. Tests with an ( \* ) are referred to another laboratory for testing.

SUNQUEST TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
BT	86900 86901	<b>ABO and Rh (Blood type and Rh)</b>	7 ml pink or 10 ml; <b>GLASS</b> tube; DO NOT USE SERUM SEPARATION TUBE.	P
ACETA	G0480	<b>Acetaminophen (Tylenol)</b>	1 ml serum; avoid hemolysis. DO NOT USE SERUM SEPARATION TUBE.	R
XACHR	83519	<b>Acetylcholine Receptor Binding Antibody*</b>	1 ml serum, separate serum into plastic tube. Refrigerate.	SS
XACP	84060	<b>Acid Phosphatase* Total</b>	1.5 ml serum, separate cells ASAP. <b>CRITICAL FROZEN.</b>	SS
XAPCR	85307	<b>Activated Protein C* Resistance</b>	1 ml citrated plasma; separate and <b>FREEZE IMMEDIATELY.</b>	B
XADAB	86255	<b>Adrenal Antibodies*</b>	1 ml serum, refrigerate.	SS
YACTH	82024	<b>Adrenocorticotrophic Hormone (ACTH)*</b>	1 ml EDTA plasma. Pre-chill tube, centrifuge, separate and <b>FREEZE within 15 minutes of draw. CRITICAL FROZEN.</b>	L
ALT	84460	<b>Alanine Aminotransferase (ALT) (SGPT)</b>	1 ml serum. Avoid hemolysis	SS
XLTX	86003	<b>Alastatx Latex-Specific IgE*</b>	1.0 ml serum for first allergen; 0.1 ml serum for each additional allergen; refrigerate ASAP	SS
ALB	82040	<b>Albumin, Serum</b>	1 ml serum; minimum 0.5 ml serum	SS
XPRVNT	80375	<b>Albuterol (Proventil)*</b>	2 ml serum, refrigerate. DO NOT USE SERUM SEPARATION TUBE.	R
ETOH	G0480	<b>Alcohol, Ethyl, Blood</b>	5 ml whole blood; do not remove cap; cleanse venipuncture site with soap and water; DO NOT prep with alcohol; minimum 1 ml whole blood	GY
YALCSC	84600	<b>Alcohol screen, toxic*</b>	2 ml whole blood; collect one gray-top Potassium Oxalate/Sodium Fluoride tube or one plain red-top tube. Also acceptable: one SST tube. Serum tube (plain red top or SST): Let specimen clot for 30 minutes and centrifuge to separate serum from cells within one hour of collection. Transfer serum to a plastic transport	GY

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			tube, cap immediately and refrigerate. DO NOT USE ALCOHOL SWABS, USE BETADINE SEPP.	
XALDO	82085	<b>Aldolase*</b>	0.5 ml serum, separate and refrigerate. Avoid hemolysis.	SS
XALDOS	82088	<b>Aldosterone, Serum*</b>	1 ml serum, separate and freeze.	SS
XUALDO	82088	<b>Aldosterone, Urine*</b>	24 hr. urine specimen, refrigerate during collection	24U
XBAP	84075	<b>Alkaline Phosphatase Bone Specific*</b>	1 ml serum, separate and refrigerate serum within 2 hours of collection.	SS
XALKPI	84075 84080	<b>Alkaline Phosphatase Isoenzymes*</b>	2 ml serum from fasting patient. Avoid hemolysis	SS
XAATP	82103	<b>Alpha-1-Antitrypsin*</b>	1 ml serum	SS
AFPMAT	82105	<b>Alpha-fetoprotein (Maternal) (AFP Maternal)</b>	1 ml serum, avoid hemolysis; state gestational age, weight, race, multiple pregnancies, IDDM	SS
AFPMTL INHA HCGQDS UE3	82105 86336 84702 82677	<b>Alpha-fetoprotein Inhibin A HCG UE3 (Estriol)</b>	1 ml serum, avoid hemolysis; state gestational age, weight, race, multiple pregnancies, IDDM Referred to as Quad Test. INHA-in house	SS
AFPTM	82105	<b>Alpha Fetoprotein (non-maternal)</b>	1 ml serum; minimum 0.5 ml. Avoid hemolysis	SS
ALT	84460	<b>ALT (SGPT)</b>	1 ml serum; avoid hemolysis and lipemia	SS
XALUM	82108	<b>Aluminum*</b>	2 ml serum; dark blue tube (no additives) separate serum into plastic vial ASAP; refrigerated.	DBN
XAMIK	80150	<b>Amikacin (Amikin) *</b>	0.5 ml serum; separate and refrigerate serum within 2 hours. Specify whether specimen is peak, trough or random level. DO NOT USE SERUM SEPARATION TUBE (SST).	R
XAMIPK	80150	<b>Amikacin, Peak*</b>	30 to 45 minutes after IV dose or 1–2 hours after IM dose for peak. DO NOT USE SST.	R
XAMITR	80150	<b>Amikacin, Trough*</b>	Collect trough just before next dose. DO NOT USE SST	R
	82139	<b>Amino Acid Fractionation Quant.*</b>	1 ml FROZEN Green Top heparinized plasma; separate plasma from cells and <b>FREEZE IMMEDIATELY</b> . Avoid hemolysis. Clinical indication needed for appropriate interpretation.	GN
	82139	<b>Amino Acid Urine, Quant.*</b>	10 ml random urine – first morning preferred. <b>CRITICAL FROZEN</b> in 2 transfer tubes	U

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XURALA	82135	<b>Aminolevulinic Acid (ALA)*</b>	5 ml aliquot well-mixed random or 24 hour urine. 24-hour specimen should be refrigerated during collection. Store @ 2-8°C. 24-hour time and volume is required.	24U
THEOPH	80198	<b>Aminophylline (Theophylline)</b>	1 ml serum; DO NOT USE SERUM SEPARATION TUBE; State hours post med	R
XAMIO	80299	<b>Amiodarone*</b>	1 ml serum; refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
XAMTRP	G0480	<b>Amitriptyline (Elavil)* (includes Nortriptyline)</b>	1 ml serum; DO NOT USE SERUM SEPARATION TUBE. Separate and refrigerate within 8 hours.	R
NH3	82140	<b>Ammonia (NH3)</b>	Send patient to MOB at Oakwood Hospital. Specimen MUST be spun, poured over and FREEZE immediately or delivered within 30 minutes on ice to OHMC-D Laboratory	GN
	80335	<b>Amoxapine (Ascendin)* (includes 8-hydroxy amoxapine)</b>	3 ml serum; DO NOT USE SERUM SEPARATION TUBE. Separate and refrigerate.	R
XAMPCN	80307/ G0480	<b>Amphetamine, Quant., Urine*</b>	<b>Clinical</b> - 10 ml random urine. Refrigerate. <b>Forensic</b> - 20 ml random urine	U
AMY	82150	<b>Amylase, Serum</b>	1 ml serum; minimum 0.5 ml (Avoid hemolysis)	SS
RUAMY TUAMY	82150	<b>Amylase, Urine, random Amylase, Urine, timed</b>	15 ml aliquot of well-mixed 2 hr. urine collection (state total volume) or send entire specimen	U 24U
XAMYIS	82150 x 2	<b>Amylase Isoenzymes* (includes total Amylase, Isoenzymes)</b>	2 ml serum, separate and refrigerate Macroamylase performed if Amylase is >115 U/L	SS
ANA	86038	<b>ANA Screen (Anti Nuclear Antibody)</b>	1 ml serum, refrigerate. Titer and pattern included if indicated.	SS
XANDRO	82157	<b>Androstenedione*</b>	1 ml serum, separate and refrigerate. DO NOT USE SERUM SEPARATION TUBE.	R
X3AG	82154	<b>Androstenedione-glucuronide (A-diolG)*</b>	1 ml serum or EDTA plasma. Separate serum or plasma from cells and refrigerate.	R
YACE	82164	<b>Angiotensin-1-Converting Enzyme (ACE)*</b>	1 ml serum, refrigerate. Avoid hemolysis. Refrigerate within 2 hours or collection.	SS
ABID	86870	<b>Antibody Identification</b>	7 ml pink or 10 ml glass tube of clotted blood; DO NOT USE SERUM SEPARATION TUBE	P

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
ABT	86886	<b>Antibody Titer</b>	7 ml pink or 10 ml <b>GLASS</b> tube of clotted blood; DO NOT USE SERUM SEPARATION TUBE	P
ABSCN2	86850	<b>Antibody Screen (Antibody Identification is ordered if positive)</b>	7 ml pink or 10 ml serum; DO NOT USE SERUM SEPARATION TUBE; Use <b>GLASS</b> red top	P
AGT	86905	<b>Antigen Type</b>	7 ml pink or 10 ml serum; DO NOT USE SERUM SEPARATION TUBE; Use <b>GLASS</b> red top. Specify which antigen to be tested for.	P
XAT3AC	85300	<b>Antithrombin III Activity*</b>	1 ml FROZEN citrated plasma	B
XAT3AG	85301	<b>Antithrombin III Antigen*</b>	1 ml FROZEN citrated plasma	B
YACA	86147 x 3	<b>Anti-Cardiolipin Antibodies* IgG/IgA/IgM</b>	1 ml serum, separate and refrigerate ASAP @ 2-8° C.	SS
XADH	84588	<b>Anti-Diuretic Hormone* (ADH)</b>	3 Lavender Tops (6.0 ml) EDTA plasma. Separate and freeze plasma immediately. <b>CRITICAL FROZEN.</b> Do not thaw. Separate sample must be submitted when multiple tests are ordered.	3L
DNADS	86225	<b>Anti-DNA Antibody Double Stranded (Titer performed if positive)</b>	Minimum 0.5 ml serum, separate and refrigerate	SS
DNADST	86225			
YENA	86235 x 2	<b>Anti-ENA Antibody (includes Anti-RNP, Anti-Sm)*</b>	1 ml serum, separate and refrigerate. Specimen stability 48 hours refrigerated.	SS
XHISAB	83516	<b>Anti-Histone Antibodies*</b>	1 ml serum, separate and refrigerate.	SS
YHUAB	86255	<b>Anti HU Antibody*</b>	1 ml serum; separate and refrigerate	SS
YTPAA	86376	<b>Anti-Microsomal Antibody* (Thyroid Peroxidase Antibody)</b>	1 ml serum, separate and refrigerate within 8 hours of collection	SS
AMA	86255	<b>Anti-Mitochondrial Antibody (AMA) (Titer performed if positive)</b>	1 ml serum; separate and refrigerate	SS
AMATIT	86256			
XAMHSP	83520	<b>Anti Mullerian Hormone*</b>	1 ml serum; separate and refrigerate	SS
XNCAB	86255x2	<b>Anti-Neutrophil Cytoplasmic Antibodies* P or C pattern will be</b>	1 ml serum, separate and refrigerate	SS

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
		determined if ANCA is pos.		
YANRI	86255	Anti RI Antibody*	1 ml serum; separate and refrigerate	SS
YRNP	86235	Anti-RNP*	1 ml serum; separate and refrigerate, within 2 hours of collection	SS
YSCL70	86235	Anti-Scleroderma Antibodies* (Scl-70)	1 ml serum; separate and refrigerate.	SS
ASMA	86255	Anti-Smooth Muscle Antibodies (ASMA)	1 ml serum; separate and refrigerate.	SS
ASMAT	86256	(Titer performed if positive)		
YATG	86800	Anti-Thyroglobulin Antibody*	1 ml serum; refrigerate within 2 hours	SS
YANYO	86255	Anti YO Antibody*	1 ml serum; separate and refrigerate	SS
XTSHR	83519	Antibody to TSH Receptor*	1 ml serum; refrigerate	SS
XAPOA1	82172	Apolipoprotein A1 (APOA1) *	1 ml serum; separate and refrigerate	SS
XAPOB	82172	Apolipoprotein B APOB*	1 ml serum; separate and refrigerate	SS
	82172 x2	Apolipoprotein (A1, B, Ratio)*	1 ml serum; separate and refrigerate. Collected after 12-16 hr FAST	SS
XAPOE	81401	APO E Genotype* (for Alzheimer)	10 ml whole blood (EDTA). Send Monday through Thursday within 24 hours of collection. Room temperature. Testing not performed on patient <18 years of age.	L
XARSEN	82175	Arsenic, Blood*	7 ml Dark Blue tube (EDTA) whole blood. Refrigerate.	DB
XTUARS	82175	Arsenic, Urine* Timed	10 ml refrigerated aliquot of 24-hour urine collected in plastic container or Random urine specimen. Acidify sample. Avoid seafood consumption 48 hours prior to collection.	24U
XUARS	82175	Arsenic, Urine* Random	Random Urine	U
		<b>Arthritis Panel</b>	<b>Not a panel.</b> Order Individual tests.	
XVITC	82180	Ascorbic Acid* (Vitamin C)	2 ml; green top (lithium heparin) tube; separate plasma; protect from light. <b>CRITICAL FROZEN.</b> Patient should fast overnight, and refrain from Vitamin C intake for 24 hours.	GN

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	80335	<b>Asendin* (Amoxapine)</b>	<b>See Amoxapine</b> ; plain red top tube; spin and separate	R
STRPZ	86063	<b>ASO Screen (titer performed if positive)</b>	<b>See Streptozyme Screen</b>	SS
AST	84450	<b>Aspartate Aminotransferase (AST)</b>	<b>See SGOT (AST)</b> Avoid hemolysis.	SS
XASPAB	86606	<b>Aspergillus Ab (CF/ID)*</b>	1 ml serum; separate from cells within 2 hours and refrigerate.	SS
SALIC	G0480	<b>Aspirin (Salicylate)</b>	<b>See Salicylate</b>	R
AST	84450	<b>AST</b>	See <b>SGOT (AST)</b> ; 1 ml serum	SS
XLRZEP	G0480	<b>Ativan* (Lorazepam)</b>	0.5 ml serum; DO NOT USE SERUM SEPARATION TUBE. Separate and refrigerate.	R
XNTRIP	80335/ G0480	<b>Aventyl* (Nortriptyline) (Pamelor)</b>	1 ml serum; draw in plain red-top tube, DO NOT USE SERUM SEPARATION TUBE; separate and refrigerate within 2 hrs.	R
	80307	<b>Barbiturates, Qual.* (See Drug Screen Panels)</b>	<b>Clinical</b> - 10 ml random urine; refrigerate <b>Forensic</b> – 20 ml random urine; refrigerate	U
XCAT	86611 x 2	<b>Bartonella Ab Panel* IgG/IgM (Cat Scratch)</b>	1 ml serum; separate serum from cells within 2 hours; refrigerate. Indicate acute or convalescent sample.	SS
UPE RUPE	84156 84166	<b>Bence Jones Protein (Protein electrophoresis, and IFE if indicated, urine)</b>	10 ml random urine or entire 24 hr urine specimen.	U/24U
	80307/ G0480	<b>Benzodiazepines, Qual. (BDP) See Drug Screen Panels</b>	<b>Clinical</b> - 10 ml random urine; refrigerate <b>Forensic</b> – 20 ml random urine; refrigerate	U
XB2MIC	82232	<b>Beta 2 Microglobulin*, Serum/Plasma</b>	1 ml serum; separate and refrigerate	SS
XUB2MI	82232	<b>Beta 2 Microglobulin*, Urine</b>	4 ml urine; patient should void, then drink a full glass of water and provide another sample within an hour. Adjust pH immediately – sample will be rejected if pH is not between 6-8. Refrigerate	U
HCGTM	84702	<b>Beta HCG Chorionic Gonadotropin (Tumor Marker)</b>	1 ml serum; specify if Tumor Marker	SS

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
TCO2	82374	<b>Bicarbonate (CO2)</b>	1 ml serum; DO NOT REMOVE TUBE CAP until immediately before assaying. Assay should be run within 24 hours of venipuncture. Avoid hemolysis.	SS
XBAFRA	83789	<b>Bile Acids, Total* and Fractionated</b>	1 ml serum; separate serum; room temperature. Overnight fasting preferred.	SS
	82239	<b>Bile Acids, Total</b>	1 ml serum; patient must fast minimum of 8 hours prior to collection. Refrigerate	SS
DBILI	82248	<b>Bilirubin, Direct (Conjugated)</b>	1 ml serum; avoid hemolysis; avoid exposure to light; min. 0.5 ml	SS
IBILI	82247 82248	<b>Bilirubin, Neonatal (includes Total and Direct)</b>	1 full amber microtainer; avoid exposure to light	SS
TBILI	82247	<b>Bilirubin, Total</b>	1 ml serum; minimum 0.5 ml; avoid hemolysis; avoid exposure to light	SS
IBILI	82247 82248	<b>Bilirubin, Total, Direct, Indirect (Unconjugated)</b>	1 ml serum; avoid hemolysis; protect from light; minimum 0.5 ml	SS
YISBKG	87799	<b>BK Virus, Quant* serum</b>	1 ml serum; separate and refrigerate	SS
YIUBKG	87799	<b>BK Virus, Quant* urine</b>	2 ml urine, refrigerate	U
XBLSTO	86612 x2	<b>Blastomyces Antibodies* by CF/ID</b>	1 ml serum; separate ASAP; refrigerate. Sample must be labeled acute or convalescent.	SS
		<b>Bleeding Time - Simplate</b>	Test replaced with Platelet Function Assay	
BC	87040	<b>Blood Culture</b>	2-10 ml whole blood collected in Bact/Alert Aerobic/Anaerobic bottle set	BC
XETOHC	80320	<b>Blood Ethanol*, Forensic</b>	7ml sodium fluoride (gray top) or heparinized whole blood tightly capped. Must have security seal over top of tube. Use non-alcohol swabs during collection; Refrigerate; Appropriate Chain of Custody required	GY
BNP	83880	<b>B-Type Natriuretic Peptide</b>	1 full lavender top tube ONLY!	L
XBAP	84075	<b>Bone Alkaline Phosphatase*</b>	<b>See Alkaline Phosphatase – Bone</b> *1 ml serum; refrigerated	SS
BORPCR	87798 x3	<b>Bordetella Pertussis PCR Panel*</b>	NP swabs in viral transport media. Sterile container for nasal aspirates 1.0 ml. Sterile container for nasal washed 1.0 ml.	VT
BUN	84520	<b>BUN (Blood Urea Nitrogen)</b>	1 ml. serum; minimum 0.5 ml.	SS

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XSBUPR	80338/ G0480	<b>Bupropion*</b>	2 ml <b>FROZEN</b> serum; DO NOT USE SERUM SEPARATION TUBE. Freeze serum within 2 hours. <b>CRITICAL FROZEN.</b>	R
XBUPCO	80307	<b>Buprenorphine*, urine</b>	10 ml random urine	U
YCPEP	84681	<b>C-Peptide*</b>	1 ml <b>FROZEN</b> serum; separate and freeze within 1 hour after collection – <b>CRITICAL FROZEN.</b> 10 hour fasting specimen required	SS
CRP	86140	<b>C-Reactive Protein (CRP)</b>	1 ml serum; minimum 0.5 ml; avoid lipemic specimens	SS
HSCRIP	86141	<b>Cardiac Risk CRP (CRP Ultra Quant)</b>	1 ml serum; separate and refrigerate	SS
XC1EIA	86161	<b>C1 Esterase Inhibitor - Qualitative (Functional)*</b>	2 ml <b>FROZEN</b> serum; separate from cells and <b>FREEZE IMMEDIATELY. CRITICAL FROZEN.</b>	SS
XC1EIQ	86160	<b>C1 Esterase Inhibitor - Quantitative (non-functional)*</b>	1 ml serum; separate and refrigerate	SS
XC1QBI	86332	<b>C1Q Binding Immune Complex *</b>	1 ml serum; separate and freeze within 2 hours of collection; <b>CRITICAL FROZEN</b>	R
	86160	<b>C1Q Complement* (Complement Component C1Q)</b>	1 ml serum; separate and refrigerate.	R
XC2	86160	<b>C2 Complement*</b>	1 ml serum; separate and refrigerate within 1 hour of collection.	R
C3	86160	<b>C3 Complement</b>	1 ml serum; separate and refrigerate; minimum 0.5 ml	SS
C4	86160	<b>C4 Complement</b>	1 ml serum, separate and refrigerate; minimum 0.5 ml	SS
	86160	<b>C5 Complement*</b>	1 ml serum; separate and refrigerate; minimum 0.5 ml	R
	86161	<b>C6 Complement*</b>	2ml serum; separate and freeze.	SS
C153	86300	<b>CA 15-3</b>	1 ml serum; separate and refrigerate.	SS
C199	86301	<b>CA 19-9 (Carbohydrate antigen 19-9)</b>	1 ml serum; separate and refrigerate.	SS
CA125	86304	<b>CA125</b>	1 ml serum; separate and refrigerate, minimum 0.5 ml	SS



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XC2729	86300	CA 27.29	1 ml serum; separate and refrigerate.	SS
XCAD	82300	Cadmium, Blood*	7 ml whole blood; use trace metal tube with EDTA (royal blue top) – refrigerate	DB
XURCAD	82300	Cadmium, Urine*	Random or 10 ml aliquot from a well-mixed 24 hour collection @ 2-8°C. Specimen must be collected in a plastic container and refrigerated during collection.	24 U
YCAFFE	80299	Caffeine Level*	2 ml serum; draw in plain red-top tube, let specimen clot 30-60 minutes, refrigerate within 2 hours of collection. DO NOT USE SERUM SEPARATION TUBE	R
XCLCTN	82308	Calcitonin*	1 ml frozen serum; allow to clot, centrifuge and <b>FREEZE IMMEDIATELY</b> . Avoid hemolysis and lipemia. <b>CRITICAL FROZEN</b> .	SS
ICA	82330	Calcium, Ionized	1.0 ml serum; <b>DO NOT UNCAP</b> , centrifuge within 1 hour of venipuncture and submit unopened tube to lab	R
CA	82310	Calcium, Serum	1 ml serum; minimum 0.5 ml	SS
TUCA	82340	Calcium, Urine, 24 hour	24 hr. urine specimen collected with no preservative; (Specimen must be acidified in lab)	24U
	80307	Cannabinoid (Marijuana) Screen (THC) See Drug Screen Panel	10 ml random urine; protect from light; refrigerate; minimum 5 ml random urine	U
XCANAB	86628	Candida Antibodies*	1 ml serum; separate and refrigerate.	SS
CANDS	87081	Candida Screen	Amies swab (blue); State site of collection	
CARBAM	80156	Carbamazepine (Tegretol)	1 ml serum; state time post dose; DO NOT USE SERUM SEPARATION TUBE; State hours post med	R
XFCARB	80157	Carbamazepine (Tegretol) Free*	1 ml serum; separate and refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
TCO2	82374	Carbon Dioxide (CO2)	1 ml serum; <b>DO NOT REMOVE CAP</b> ; avoid hemolysis	SS
COHB	82375	Carbon Monoxide (Carboxyhemoglobin)	Green Lithium, whole blood; <b>DO NOT REMOVE CAP</b>	GNL
CEA	82378	Carcinoembryonic Antigen (CEA)	1 ml serum; avoid hemolysis; minimum 0.5 ml	SS
YACA	86147 x3	Cardiolipin Antibodies*	1 ml serum; separate and refrigerate within 2	SS

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		<b>IgG, IgM, IgA</b>	hours of collection. Avoid hemolysis.	
XCARNT	82379	<b>Carnitine* (Free and Total)</b>	1 ml plasma, Green (Sodium or Lithium Heparin) separate and <b>FREEZE IMMEDIATELY. CRITICAL FROZEN</b>	GN
XCARTN	82380	<b>Carotene*, BETA</b>	2 ml serum; collect after 12 hour fast. Separate and <b>FREEZE IMMEDIATELY</b> . Protect from light. Use amber transport tube. <b>CRITICAL FROZEN</b>	SS
XPCATS	82384	<b>Catecholamines, Plasma* (Fractionated and Total)</b>	<b>Special instructions; <u>call laboratory</u></b>	GN
XUCATS	82384	<b>Catecholamines, Fractionated*</b>	<b>Special instructions; <u>call laboratory</u></b>	24U
	85025	<b>CBC (Complete Blood Count)</b>	<b>See Hemogram</b>	
YCYCP	86200	<b>Cyclic Citrullinated Peptide (CCP)* Antibody</b>	1 ml serum; separate and refrigerate	SS
XT4T8	86360	<b>CD-4 and CD-8 (T4/T8 Helper/Suppress Ratio)*</b>	2 ml EDTA whole blood; room temperature. <b>Do not refrigerate</b> . Include CBC result with specimen.	L
XIMDFP	86360 86355 86357 86359	<b>CD3, CD4, CD8, CD19 and CD 16/56 and a CD4:CD8 Ratio (Immune Deficiency Panel, Comprehensive)*</b>	2 ml EDTA whole blood; room temperature. <b>Do not refrigerate</b> . Include CBC result with specimen.	L
CEA	82378	<b>CEA</b>	<b>See Carcinoembryonic Antigen</b>	SS
YCDPNL	83516 x4	<b>Celiac Disease Panel*</b>	2 ml serum; separate and refrigerate. Avoid hemolysis.	SS
XMTHSX	G0480	<b>Celontin*</b>	<b>See Methsuximide</b>	R
CSFCC	89050	<b>Cell Count + Diff, CSF</b>	1 ml CSF delivered to laboratory immediately	CSF
XCERUL	82390	<b>Ceruloplasmin*</b>	1 ml serum; separate and refrigerate.	SS
XCHAB	86631 x3 86632 x3	<b>Chlamydia Species Antibody*, IgG and IgM</b>	1 ml serum, separate serum and refrigerate.	SS
CHAP	87491	<b>Chlamydia AMP DNA Probe</b>	Cobas PCR female swab, male swab or urine transports, follow directions on package.	

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CHGCAP	87491 87591	<b>Chlamydia/GC (DNA Probe)</b>	Cobas PCR female swab, male swab or urine transports, follow directions on package.	
XCDIAZ	80346/ G0480	<b>Chlordiazepoxide (Librium)*</b>	2 ml serum; DO NOT USE SERUM SEPARATION TUBE; separate and refrigerate, Protect from light	R
CL	82435	<b>Chloride, Serum</b>	1 ml serum; minimum 0.5 ml	SS
TUCL	82436	<b>Chloride, Urine, 24 Hour</b>	24 hr urine specimen collected without preservative	24U
XTHRZN	G0480	<b>Chlorpromazine (Thorazine)*</b>	6 ml serum; draw 2 Red Top tubes. DO NOT USE SERUM SEPARATION TUBE; protect from light.	R
HDL	83718	<b>Cholesterol, HDL</b>	2 ml serum; fasting specimen; minimum 1 ml serum	SS
LIPID	82465 83718 84478	<b>Cholesterol, LDL (Calculated)</b>	3 ml serum; fasting specimen; minimum 1 ml	SS
CHOL	82465	<b>Cholesterol, Total</b>	1 ml serum, minimum 0.5 ml	SS
XDNARA	82480 82638	<b>Cholinesterase, Pseudo* w Dibucaine Inhibition</b>	1 ml serum; after allowing specimen to clot, separate by centrifugation and refrigerate serum/plasma. Hemolyzed samples should not be used.	SS
XCHRBC	82482	<b>Cholinesterase, RBC*</b>	1 Lavender top; whole blood EDTA, Refrigerate.	L
	82239	<b>Cholyglycine*</b>	<b>See Bile Acids, Total</b>	
HCGTM	84702	<b>Chorionic Gonadotropin (BHCG), Quantitative</b>	1 ml serum; separate and refrigerate. <b>(Tumor marker)</b>	SS
KARYPB	88230	<b>Chromosome Analysis,Blood</b>	Green Top, 10 ml (2 ml for newborns) sodium heparin; include suspected diagnosis; room temperature. Complete Warde Medical Laboratory Cytogenetics Test Requisition Form.	GNS
KARYBM	88237	<b>Chromosome Analysis, Bone Marrow Aspirate</b>	CALL CYTOGENETICS LABORATORY 313-593-8483 FOR DELIVERY INSTRUCTIONS. Draw 2 ml into syringe rinsed with sodium heparin, if available. Immediately (within seconds), transfer to sodium heparin vacutainer tube; complete Cytogenetics Request Form.	GNS
KARYSK	88233	<b>Chromosome Analysis, Products of Conception</b>	CALL CYTOGENETICS LABORATORY 313-593-8483. Transfer sample to sterile container; cover tissue with sterile saline or tissue transport media; complete Cytogenetics	

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
			Request Form	
KARYOF	88235 88267 88280	<b>Chromosome Analysis, Amniotic Fluid</b>	CALL CYTOGENETICS LABORATORY 313-593-8483 FOR DELIVERY INSTRUCTIONS. Aseptically collect 10-20 ml into sterile tubes with no additives; complete Cytogenetics Request Form	
XUCIT	82507 82570	<b>Citric Acid, 24 hr. urine*</b>	25 ml aliquot of 24 hr. urine (min. 10 ml) urine; preserved with 10 gm boric acid. Adjust pH to 4-7. Record total volume on container and requisition; refrigerate.	24U
TCK	82550	<b>CK</b>	1 ml serum; separate and refrigerate.	SS
XCKISO	82552 82550	<b>CK Isoenzymes* (For chest pain - suggest Troponin-test)</b>	2 ml serum; separate and freeze within 4 hours of collection. <b>CRITICAL FROZEN. NOT AVAILABLE STAT</b> ; if chest pain, Troponin I test is suggested.	SS
CKMBOO	82553	<b>CK-MB (For chest pain, suggest Troponin-I test)</b>	1 Lithium Heparin Tube. Specimen must be spun and separated within 2 hours of collection. Testing performed at Trenton and Dearborn facilities.	GNL
XCLMET	80335	<b>Clomipramine (Anafranil)*</b>	2 ml serum; DO NOT USE SERUM SEPARATION TUBE	R
XCLONP	80346/ G0480	<b>Clonazepam (Clonopin)*</b>	4 ml serum; refrigerate. DO NOT USE SERUM SEPARATION TUBE.	R
	80346/ G0480	<b>Clorazepate (Tranxene)* (as Nordiazepam)</b>	2 ml serum; refrigerate. DO NOT USE SERUM SEPARATION TUBE.	R
CDAT	87324 87449	<b>Clostridium Difficile Ag/Toxin</b>	Collect 10 gm of fresh stool in clean container	ST
YCLOZA	80159	<b>Clozapine (Clozaril)*</b>	2 ml serum; refrigerate. Red Top Only. DO NOT USE SERUM SEPARATION TUBE	R
XFII	85210	<b>Coag Factor II Activity*</b>	2 ml citrated plasma in 2 plastic tubes: <b>FREEZE IMMEDIATELY</b>	B
XFVACT	85220	<b>Coag Factor V Activity*</b>	2 ml citrated plasma in plastic tube; separate and <b>FREEZE IMMEDIATELY</b>	B
XFVII	85230	<b>Coag Factor VII Activity*</b>	2 ml citrated plasma in plastic tube; separate and <b>FREEZE IMMEDIATELY</b>	B
XF8ACT	85240	<b>Coag Factor VIII Activity* (Vonwillebrand Fact Activity)</b>	2 ml citrated plasma in plastic tube; separate and <b>FREEZE IMMEDIATELY</b>	B
XF8AG	85246	<b>Coag Factor VIII Antigen*</b>	2 ml sodium citrate plasma; separate and	B

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
		(Vonwillebrand Ag)	<b>FREEZE IMMEDIATELY</b>	
XF9ACT	85250	<b>Coag Factor IX Activity*</b>	2 ml citrated plasma in plastic tube; <b>FREEZE IMMEDIATELY</b>	B
XFXACT	85260	<b>Coag Factor X Activity*</b>	2 ml citrated plasma in plastic tube; separate and <b>FREEZE IMMEDIATELY</b>	B
XFXI	85270	<b>Coag Factor XI Activity*</b>	2 ml citrated plasma in plastic tube. Double centrifugation critical for accurate results. Separate and <b>FREEZE IMMEDIATELY. CRITICAL FROZEN</b>	B
XFXII	85280	<b>Coag Factor XII Activity*</b>	2 ml citrated plasma; spin down remove plasma, spin plasma again; place 1.0 ml of citrate, platelet poor plasma in plastic vial; <b>FREEZE IMMEDIATELY</b>	B
XF13QL	85291	<b>Coag Factor XIII , Qualitative*</b>	2ml citrated plasma in plastic tube; separate and <b>FREEZE IMMEDIATELY</b>	B
	80307	<b>Cocaine, Qual.*</b>	10 ml random urine; minimum 5 ml. Refrigerate	U
XCAB	86635 x4	<b>Coccidioides Antibody*</b>	1 SST/Two 1 ml serum aliquots; separate serum from cells and refrigerate ASAP	SS
	80361/ G0480	<b>Codeine, Quant.* (includes metabolite)</b>	2 ml serum; DO NOT USE SERUM SEPARATION TUBE	R
	80307	<b>Codeine*, Urine, Qual.</b>	10 ml random urine	U
	80299	<b>Colchicine*</b>	4 ml serum	R/SS
XCAG	86156	<b>Cold Agglutinins*</b>	Specimen can only be drawn at Monroe or Dearborn MOB draw site.	R
	86157	<b>(Titer performed if positive)</b>		
YCH50	86162	<b>Complement, Total, CH50*</b>	1 ml serum; allow blood to clot at room temperature. Centrifuge and separate; <b>FREEZE IMMEDIATELY. CRITICAL FROZEN.</b>	SS
DATP	86880	<b>Coombs Test, Direct</b>	2 ml EDTA whole blood	P
ABSCN2	86850	<b>Coombs Test, Indirect</b>	See Antibody Screen	
XCURBC	82525	<b>Copper, RBC*</b>	5 ml whole blood, collect in dark blue EDTA tube, centrifuge and separate cells from plasma, send 1.0 ml RBCs, refrigerate.	DB
XCU	82525	<b>Copper, Serum*</b>	2 ml serum; collect in dark blue top; no additive; allow to clot at room temperature for 30 minutes; spin and separate transfer tube; refrigerate serum.	DB

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
XTUCU	82525	<b>Copper, Urine*</b>	24 hr well mixed urine specimen collected in plastic container.	24U
RCORT AMCORT PMCORT	82533	<b>Cortisol, AM/Cortisol, PM/ Cortisol, Random</b>	1 ml serum; specify AM, PM or random specimen; minimum 0.5 ml serum	SS
XUFCOR	82530	<b>Cortisol, Urine, Free*</b>	24 hr. specimen collected without preservative	24U
	83530	<b>Cortisol, Urine, Random*</b>	10 ml random urine	U
XCXAAB	86658 x 6	<b>Coxsackie A Virus AB* (Type 2,4,7,9,10,16)</b>	3 ml serum; separate from cells ASAP; refrigerate; label acute or convalescent avoid hemolysis	SS
XCXB16	86658 x6	<b>Coxsackie B Antibodies* (types 1-6)</b>	3 ml serum; separate from cells ASAP, refrigerate; label acute or convalescent;	SS
TCK	82550	<b>Creatine Kinase (CK)</b>	1 ml serum; avoid hemolysis; minimum 0.5 ml	SS
RUCRE	82570	<b>Creatinine, Urine (Random)</b>	10 ml random urine	U
CRCL CRE	82575	<b>Creatinine Clearance</b>	1 ml serum AND 24 hr. urine specimen collected without preservative; minimum 0.5 ml serum	SS + 24U
CRE	82565	<b>Creatinine, Serum</b>	1 ml serum; minimum 0.5 ml	SS
TUCRE	82570	<b>Creatinine, Urine, 24 Hour</b>	24 hr. urine specimen collected without preservative	24U
XCRY	82595	<b>Cryoglobulin*, Qual.</b>	Send patient to MOB 107, Monroe Street OR Trenton draw site for specimen collection.	R
CRPTAG	86403	<b>Cryptococcus Antigen</b>	1 ml serum or CSF	R
CRSPAG	87328	<b>Cryptosporidium Antigen</b>	Fresh, unpreserved stool or stool in Carey Blair transport.	ST
CRYID	89060	<b>Crystal Examination, Body fluids</b>	1 ml body fluid	R
AFBC	87116 87206 87015	<b>Culture, Acid Fast (AFB)</b>	Aseptically collected specimen in sterile container; state site of collection; blood – call for isolator tube.	
BC	87040	<b>Culture, Blood</b>	2-10 ml whole blood drawn in Bact/Alert Aerobic/Anaerobic bottle set	BC
XCHC	87110	<b>Culture, Chlamydia*</b>	Secretions from infected areas; must be placed in viral transport media; state site of collection	

<b>TEST CODE</b>	<b>CPT</b>	<b>TEST NAME</b>	<b>SPECIMEN REQUIREMENTS</b>	<b>TUBE CODE</b>
CSFC	87070 87205	<b>Culture, CSF</b>	1 ml aseptically collected CSF in a sterile container; do not refrigerate	CSF
	87252	<b>Culture, Cytomegalovirus*</b>	Special viral transport media required; request from laboratory; refrigerate specimens immediately after collection; DO NOT FREEZE; state site of collection	VT
	87070 87075 87205	<b>Culture, Deep Wound, (includes anaerobic)</b>	Aseptically collected specimen in sterile container or Amies blue swab; state site of collection	
EARC	87070	<b>Culture, Ear</b>	Amies Culture swab; refer to Microbiology Special Instructions Section of Service Manual	
ENVIRC	87070	<b>Culture, Environmental</b>	Swab in transport media, milli pore plate, or water/fluids to be tested and autoclave spore test	
EYEC	87070	<b>Culture, Eye</b>	Swab in Amies blue transport media	
FUNC	87101	<b>Culture, Fungus</b>	Aseptically collected specimen in a sterile container; state site of collection; blood-call for isolator tube	
XHSVPC	87529	<b>Culture, Herpes Simplex*</b>	Viral transport media required; request from laboratory; state site of collection	
NOSC	87070	<b>Culture, Nasal</b>		SG/SN
RESC	87070 87205	<b>Culture, Sputum (Respiratory)</b>	Culture, Staph screen - first morning, deep cough specimen in sterile container	
STLC	87045 87046 87427	<b>Culture, Stool</b>	Aseptically collected fresh specimen in sterile container or Carey Blair transport media	
THSS	87081	<b>Throat Culture, Strep Scrn</b>	Swab in Amies blue transport media	SG/SN
THC	87070	<b>Culture, Throat</b>	Swab in Amies blue transport media	SG/SN
UC	87086	<b>Culture, Urine with Colony Count</b>	Clean catch collected specimen in sterile container; transfer to urine culture and sensitivity transport kit; follow directions on package	UT
WDAC	87070 87205	<b>Culture, Wound and Skin</b>	Blue Amies Culturette; state site of collection	SG/SN
WDANC	87070 87075 87205	<b>Culture, Wound, Deep</b>	Blue Amies Culturette; state site of collection	SG

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
XCYCL	80158	<b>Cyclosporine*</b>	3.0 ml EDTA whole blood; refrigerate	L
CYSTGZ	81220	<b>Cystic Fibrosis</b>	10 ml EDTA whole blood accompanied by a Cytogenetic requisition form and a Genetics Questionnaire	3L
	82131	<b>Cystine*</b>	24 hr. urine specimen collected without preservative; refrigerate during collection.	24U
CMVIGG	86644	<b>Cytomegalovirus Antibody (CMV) IgG</b>	1 ml serum; separate and refrigerate serum	SS
CMVIGM	86645	<b>Cytomegalovirus Antibody (CMV) IgM</b>	1 ml serum; separate and refrigerate serum	SS
YIQCMG	87497	<b>Cytomegalovirus DNA Quantitation by PCR*</b>	1 ml plasma; draw lavender-top EDTA tube, centrifuge to separate plasma from cells within 24 hours of collection, refrigerate	L
DIMER	85379	<b>D-Dimer</b>	1 full citrated blue top tube. Send STAT. If there is a delay in testing greater than 4 hours, separate plasma from cells and send on ice or freeze.	B
	80307	<b>Darvon*</b>	10 ml random urine; refrigerate. (See Drug Abuse Screens - Urine Panels). See Propoxyphene. Quant, Qual, Forensic or Clinical	U
	80362	<b>Demerol*</b>	2 ml serum; DO NOT USE SERUM SEPARATION TUBE, See Meperidine	R
VALPRO	80164	<b>Depakene</b>	1 ml serum; minimum 0.5 ml; DO NOT USE SERUM SEPARATION TUBE; State hours post med	R
XFRVAL	80165	<b>Depakene, Free*</b>	1 ml serum; minimum 0.5 ml; DO NOT USE SERUM SEPARATION TUBE; State hours post med	R
XDSIPR	80335/ G0480	<b>Desipramine (Norpramin)*</b>	2 ml serum; draw in plain red-top tube, DO NOT USE SERUM SEPARATION TUBE, refrigerate	R
	G0480	<b>Desyrel (Trazodone)*</b>	See Trazodone	R
XDHEA	82626	<b>DHEA (Unconjugated)*</b>	2 ml serum; separate and refrigerate, overnight fasting is preferred.	SS
YDHEAS	82627	<b>DHEA, Sulfate (DHEAS)</b>	1 ml serum; let specimen clot 30-60 minutes then immediately centrifuge, separate and refrigerate.	SS
XDIAZP	80346/ G0480	<b>Diazepam (Valium)* (includes: Nordiazepam metabolite)</b>	2 ml serum; DO NOT USE SERUM SEPARATION TUBE; separate and refrigerate	R



TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
		<b>Diazepam (Valium), Qual; urine*</b>	10 ml random urine	U
WBCD	85007 85048	<b>Differential Leukocyte and Count</b>	3 ml EDTA whole blood or 2 peripheral blood smears; minimum 2 ml EDTA whole blood or one full (0.5-0.7 ml) lavender microtainer	L
DIG	80162	<b>Digoxin (Lanoxin)</b>	1 ml serum; DO NOT USE SERUM SEPARATION TUBE	R
XDHT	80327/ G6047	<b>Dihydrotestosterone, 5-Alpha* (DHT)</b>	1 ml serum – separate and send 1.0 ml serum; refrigerated, avoid hemolysis	R
PHENY	80185	<b>Dilantin (Diphenylhydantoin, Phenytoin)</b>	1 ml serum; minimum 0.5 ml; DO NOT USE SERUM SEPARATION TUBE; State hours post med	R
XFDIL	80186	<b>Dilantin, Free*</b>	1 ml serum; refrigerate. DO NOT USE SERUM SEPARATION TUBE.	R
	86317	<b>Diphtheria Antibodies*</b>	1 ml serum; separate from cells within 2 hours of collection and refrigerate	SS
XDLDL	83721	<b>Direct LDL*</b>	1 ml FASTING serum, centrifuge and separate from cells within 3 hours of collection, EDTA plasma or heparinized plasma also acceptable, ,refrigerate	SS
DATP	86880	<b>Direct Coombs</b>	2 ml EDTA whole blood	P
XDSPYR	80299	<b>Disopyramide (Norpace)*</b>	1 ml serum; DO NOT USE SERUM SEPARATION TUBE	R
DNADS	86225	<b>DNA (DS) (Anti nDNA) (titer performed if positive)</b>	3 ml serum; separate and refrigerate.	SS
XDNASS	86226	<b>DNA Single Stranded Antibodies*</b>	1 ml serum – separate from cells as soon as possible and refrigerate	SS
XDOP	82542	<b>Dopamine*</b>	4 ml plasma, separate and FREEZE plasma. Specimen should be collected in a pre-chilled green sodium heparin tube. Patient should avoid alcohol, coffee, tea, tobacco and strenuous exercise prior to collection.	GN
	80368	<b>Doriden*</b>	2 ml serum; DO NOT USE SERUM SEPRATION TUNE, refrigerate	R
	80335/ G0480	<b>Doxepin (Sinequan)*</b>	1 ml serum; DO NOT USE SERUM SEPARATION TUBE, refrigerate	R
XCD10A	80307	<b>Drug Abuse Screen 10</b>	30 ml random urine; minimum 15 ml. Forensic	U

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
XUD10C (Automatic Confirm. of Positive Results)	80307	<b>Urine, Qual.* (includes Amphetamines, Barbiturates, Opiates, Benzodiazepines, Cocaine, THC-50, PCP, Propoxyphene, Methadone, Methaqualone)</b>	or Clinical  Newborn: minimum 1 ml required for initial test plus 2 ml for confirmation of each positive	
XSDSCC	80307	<b>Drug Screen, Serum*</b>	4 ml serum from red top tube; separate and refrigerate; although urine is the specimen of choice for drug screening, a serum drug screen can be performed when a urine sample is unavailable (autopsy, dialysis pt.) DO USE SERUM SEPARATION TUBE,	R
EBVPN	86665 x2 86664	<b>EBV Panel</b> <b>Includes:</b> <b>EBV – EBNA (IgG)</b> <b>EBV – VCA (IgG)</b> <b>EBV – VCA (IgM)</b>	1 ml serum, free from hemolysis, lipemia; separate and refrigerate.	SS
XECHO	86658 x5	<b>Echovirus Antibody* (Types 6,7,11,30)</b>	3 ml serum; separate and refrigerate, free from hemolysis. LABEL ACUTE OR CONVALESCENT	SS
XAMTRP	80335/ G0480	<b>Elavil*</b>	See Amitriptyline 1 ml – DO NOT USE SST; separate and refrigerate within 8 hours	R
LYTES	80051	<b>Electrolyte Panel (Includes NA, K, CL,CO2)</b>	1 ml serum; avoid hemolysis; centrifuge after clotting; <b>DO NOT OPEN TUBE</b> ; minimum 0.5 ml serum	SS
YENA	86235 x2	<b>ENA Antibodies* (Sm and RNP Antibodies)</b>	1 ml serum; separate and refrigerate	SS
YENDO A	86255	<b>Endomysial IgA Antibodies*</b>	1 ml serum, separate and refrigerate	SS
EOCT	85048	<b>Eosinophil Count</b>	3 ml EDTA whole blood; minimum 2 ml or one full lavender microtainer	L
EONAL	89190	<b>Eosinophil Smear (nasal eosinophil count)</b>	2 slides with smear of material; Indicate source	SL
EBVM	86665	<b>Epstein-Barr Viral Capsid Antibody, IgM</b>	2 ml serum; separate and refrigerate	SS
	83805	<b>Equanil*</b>	See Meproamate	
XERYTH	82668	<b>Erythropoietin* (EPO)</b>	1 ml serum; separate and freeze; avoid hemolysis and lipemia	SS
ESTRAD	82670	<b>Estradiol, Serum</b>	1 ml serum, free from hemolysis	SS

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
ETOH	G0480	<b>Ethanol, Blood (ETOH)</b>	5 ml whole blood; <b>DO NOT REMOVE CAP</b> ; do not prep arm with alcohol; minimum 1 ml whole blood	GY
	82690	<b>Ethchlorvynol (Placidyl)*</b>	2 ml serum; DO NOT USE SERUM SEPARATION TUBE	R
XZRNTN	80168	<b>Ethosuximide (Zarontin)*</b>	1 ml serum; DO NOT USE SERUM SEPARATION TUBE, refrigerate	R
XFVL	81241	<b>Factor V: Leiden Mutation* Factor - Assay</b>	5 ml EDTA whole blood; room temperature See Coagulation Factors	L
XPPR	84202	<b>FEP (Free Erythrocyte Protoporphyrin)*</b>	2 ml EDTA whole blood. Refrigerate, protect from light. Transfer whole blood to amber tubes to protect light. Frozen or hemolyzed samples are unacceptable. Wrap in aluminum foil.	L
XFECQL	82705	<b>Fat, Feces, Qual.* (Random)</b>	Random stool specimen in sterile container (white topped vial) no preservative – call laboratory for diet requirements	
	82710	<b>Fat, Feces, Quant.* (24, 48 or 72 hour collection)</b>	Call laboratory for instructions	
FERRIT	82728	<b>Ferritin</b>	1 ml serum free of hemolysis; minimum 0.5 ml	SS
FDP	85362	<b>Fibrin Degradation Products - Fibrin Split Products (FDP/FSP)</b>	1 FDP tube; deliver to lab within 1 hr. of venipuncture. Call for STAT pickup.	
FIBP	85384	<b>Fibrinogen</b>	1 full blue top (citrated plasma). Specimen is stable for 4 hours once drawn. If testing is delayed, separate and send plasma.	B
XFLCND	80299	<b>Flecainide (Tambocor)*</b>	1 ml serum; separate and refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
XFLUOX	80299	<b>Fluoxetine (Prozac)*</b>	2 ml serum; separate and refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
XFLPNZ	80342/ G0480	<b>Fluphenazine (Prolixin)*</b>	2 ml serum; centrifuge and separate from cells within 2 hours of collection, refrigerate.	R
FOLATE	82746	<b>Folate (Folic Acid)</b>	1 ml serum free from hemolysis.	SS
FSH	83001	<b>Follicle Stimulating Hormone (FSH)</b>	1 ml serum free from hemolysis	SS

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
FRAGXG	81243	<b>Fragile X*</b>	10 ml EDTA whole blood; accompanied by Cytogenetic requisition and a Genetics Questionnaire. Call Cytogenetics before sending (313/593-8483)	3L
XFRVAL	80165	<b>Free Depakene*</b>	1 ml serum; DO NOT USE SERUM SEPARATION TUBE	R
XFDIL	80186	<b>Free Dilantin*</b>	1 ml serum; DO NOT USE SERUM SEPARATION TUBE	R
YFRT3	84481	<b>Free T3*</b>	1 ml serum; separate and refrigerate	SS
XFP5A	84153 84154	<b>Free and Total PSA*</b>	See Prostate Specific Antigen (PSA) Free and Total. Separate and freeze. <b>CRITICAL FROZEN</b>	SS
FT4	84439	<b>Free T4</b>	1 ml serum; avoid lipemia; minimum 0.5 ml	SS
XFCARB	80157	<b>Free Tegretol*</b>	1 ml serum; DO NOT USE SERUM SEPARATION TUBE	R
FT4	84439	<b>Free Thyroxine (Free T4)</b>	1 ml serum; avoid lipemia; minimum 0.5 ml	SS
XFRCMN	82985	<b>Fructosamine*</b>	1 ml serum; separate and refrigerate within 4 hours of collection.	SS
FSH	83001	<b>FSH (Follicle Stimulating Hormone), Serum</b>	1 ml serum, separate and refrigerate, free from hemolysis	SS
FTAABS	86781	<b>FTA-ABS</b>	1 ml serum; separate and refrigerate	SS
XFAP	86606 86612 86635 86698	<b>Fungal Antibodies by ID*</b>	1 ml serum; separate from cells within 2 hours of collection, refrigerate	SS
XG6PDQ	82955	<b>G-6-PD* Quant.</b>	5 ml EDTA whole blood; refrigerated. Do not transfer blood to other containers. Alternate: One GRN (heparin) <b>OR</b> one yellow top (ACD) acceptable if sent with Hgb value.	L
XNURNT	80171	<b>Gabapentin (Neurontin)*</b>	1 ml serum; separate and refrigerate. DO NOT USE SERUM SEPARATION TUBE.	R
XPARAB	83516	<b>Gastric Parietal Cell Antibody* (Antibodies only)</b>	1 ml serum; separate and refrigerate	SS
XGSTRN	82941	<b>Gastrin*</b>	2 ml serum; separate and <b>FREEZE</b> immediately. Patient must be fasting for 12 hours. <b>CRITICAL FROZEN</b>	SS
GCS	87081	<b>GC Screen</b>	Amies swab must be received within 24 hrs. of	SG/SN

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
			collection; do not refrigerate; state site of collection	
GCAP	87591	<b>GC AMP, DNA Probe</b>	Cobas PCR female swab, male swab or urine transports, follow directions on package.	
GENTA	80170	<b>Gentamicin, (Garamycin)</b>	1 ml serum; DO NOT USE SERUM SEPARATION TUBE; specify Trough specimen	R
GENTAT	80170	<b>Gentamicin, Trough (Garamycin)</b>	1 ml serum; DO NOT USE SERUM SEPARATION TUBE; specify Trough specimen	R
GENTAP	80170	<b>Gentamicin, Peak (Garamycin)</b>	1 ml serum; DO NOT USE SERUM SEPARATION TUBE; specify Peak specimen	R
GGTP	82977	<b>GGT (Gamma Glutamyl Transpeptidase)</b>	1 ml serum; avoid hemolysis; minimum 0.5 ml	SS
YGLIAD	83520	<b>Gliadin (Deamidated) Antibodies*</b>	1 ml serum; separate within 2 hours of collection, refrigerate	SS
GLOB	82040 84155	<b>Globulin</b>	1 ml serum free from hemolysis. Includes Total Protein and Albumin.	SS
XGLCGN	82943	<b>Glucagon*</b>	Call Laboratory for instructions	
GTT2H	82947 82950	<b>Glucose Tolerance - 2 hour (ADA recommended)</b>	Fasting specimen and 2 hr. specimen. No appointment necessary.	
GTTGES	82951 82952	<b>Glucose Tolerance - 3 Hour (Gestational)</b>	Call Laboratory for appointment	
GTT5H	82951 82952	<b>Glucose Tolerance - 5 Hour</b>	Call Laboratory for appointment	
GLU2	82947	<b>Glucose, 2 hr PC</b>	1 ml sodium fluoride gray top tube, whole blood; minimum 0.5 ml sodium fluoride plasma	GY
FLGLU	82945	<b>Glucose, Body Fluid</b>	1 ml body fluid	
FBS	82947	<b>Glucose, Fasting</b>	1 ml sodium fluoride gray top tube, whole blood; minimum 0.5 ml sodium fluoride plasma	GY
GLU1	82950	<b>Glucose, Post Glucola</b>	1 ml sodium fluoride gray top tube, whole blood drawn 1 hr post ingestion of 50 grams Glucola; minimum 0.5 ml sodium fluoride plasma	GY
UAGLU	81005	<b>Glucose, Urine, Qual.</b>	5 ml fresh random urine	U
RUGLU	82945	<b>Glucose, Urine, QT-Random</b>	5 ml fresh random urine	U

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
	82980	<b>Glutethimide (Doriden)*</b>	2 ml serum; DO NOT USE SERUM SEPRATION TUNE, refrigerate.	R
HBA1C	83036	<b>Glyco Hemoglobin</b>	5 ml EDTA whole blood, minimum 0.5 ml	L
GRAMST	87205	<b>Gram Stain</b>	Unaltered specimen or thin smear of specimen on microscopic slide; air dry; state site of collection	
YGH	83003	<b>Growth Hormone (HGH)*</b>	1 ml FASTING serum; separate and <b>FREEZE IMMEDIATELY</b>	SS
XFLUB	86710 x2	<b>Haemophilus Influenzae B Antibody*</b>	1 ml. serum – indicate acute or convalescent sample; separate cells from serum within 2 hours of collection	SS
XHLDOL	80173	<b>Haloperidol (Haldol)*</b>	1 ml serum; DO NOT USE SERUM SEPARATION TUBE, collect sample 11-17 hours after last dose	R
HAPTO	83010	<b>Haptoglobin</b>	1 ml serum; minimum 0.5 ml; avoid hemolysis and lipemia	SS
YIHBVG	87517	<b>HBV DNA Quantitation by PCR*</b>	1 ml serum; separate serum from cells within 24 hours of collection, refrigerate. EDTA plasma also acceptable	SS
HCGQNT	84702	<b>HCG, Serum, Quant. (Beta)</b>	1 ml serum; separate and refrigerate; minimum 0.5 ml	SS
HCGQL	84703	<b>HCG, Serum, Qual.</b>	1 ml serum; separate and refrigerate; minimum 0.5 ml	SS
UHCG	81025	<b>HCG, Urine, Qual.</b>	5 ml random urine; first morning specimen preferred	U
YIQHCG	87522	<b>HCV-RNA, Quant. PCR*</b>	2 ml serum; collect 1 SST or red top tube, centrifuge serum from cells within 24 hours of collection, separate and refrigerate. Alternate specimen; plasma from lavender top tube	SS
HDL	83718	<b>HDL Cholesterol</b>	2 ml serum; fasting specimen; minimum 1 ml serum	SS
XHMSB	82175 83655 83825	<b>Heavy Metal Evaluation (Includes Arsenic, Mercury, Lead)*</b>	2 ml whole blood; refrigerate	DB
XUHMS (Random) XTUHMS (Timed)	83655 83825 82175 82570	<b>Heavy Metal Evaluation (Includes Arsenic, Mercury, Lead)*</b>	Urine: 10 ml random or 24 hr. urine. Requires FROZEN urine. Collect urine in acid washed or metal free container. Mix well, send 10 ml urine frozen in and acid washed or metal free screw capped container. Record total volume on specimen on container and requisition for timed-urine specimens.	U TU

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
XHPAG	87338	<b>Helicobacter pylori Ag, Stool*</b>	0.5 ml or 0.5 gm of semi-solid stool; FROZEN	ST
BTEK	83013	<b>Helicobacter pylori Breath test</b>	Contact lab for collection kit; do not eat or drink for 1 hour prior to test. Testing solution contains PKU.	
HCT	85014	<b>Hematocrit (HCT)</b>	3 ml EDTA whole blood; minimum 2 ml or one full (0.5-0.7 ml) lavender microtainer	L
HGB	85018	<b>Hemoglobin (HGB)</b>	3 ml EDTA whole blood; minimum 2 ml EDTA whole blood or one full (0.5-0.7 ml) lavender microtainer	L
HBA1C	83036	<b>Hemoglobin A1C</b>	5 ml EDTA whole blood, minimum 0.5 ml	L
XHGBE	83021	<b>Hemoglobin A2*</b>	3 ml. EDTA whole blood; minimum 0.5 ml; avoid hemolysis; refrigerate	L
HGBHCT	85014 85018	<b>Hemoglobin and Hematocrit</b>	3 ml EDTA whole blood; minimum 2 ml or one full (0.5-0.7 ml) lavender microtainer	L
XHGBE	83021	<b>Hemoglobin Electrophoresis*</b>	3 ml EDTA whole blood; minimum 0.5 ml; avoid hemolysis; refrigerate	L
HGRAM	85025	<b>Hemogram (CBC) with differential, platelets</b>	3 ml EDTA whole blood; minimum 2 ml EDTA whole blood or one full (0.5-0.7 ml) lavender microtainer	L
HGMP	85027	<b>Hemogram with platelets</b>	3 ml EDTA whole blood; minimum 2 ml EDTA whole blood or one full (0.5-0.7 ml) lavender microtainer	L
YLMWH	85520	<b>Heparin Anti Xa, Low Molecular Weight Heparin*</b>	One Light Blue-top Becton-Dickinson 3.2% Sodium Citrate tube. Tube must be full. Transport whole blood to the Laboratory within 4 hours of collection. If transport within 4 hours is not possible, centrifuge specimen and remove only top 2/3 of plasma and transfer to a plastic tube. <b>FREEZE</b>	B
YUNFHP	85520	<b>Heparin Anti Xa, Unfractionate Heparin*</b>	One Light Blue-top Becton-Dickinson 3.2% Sodium Citrate tube. Tube must be full. Transport whole blood to the Laboratory within 4 hours of collection. If transport within 4 hours is not possible, centrifuge specimen and remove only top 2/3 of plasma and transfer to a plastic tube. <b>FREEZE</b>	B
HFP	80076	<b>Hepatic Function Panel (See Panel Description)</b>	2 ml serum; separate and refrigerate, avoid hemolysis	SS

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
HAVAB	86708	<b>Hepatitis A Antibody, Total</b>	2 ml serum; separate and refrigerate, avoid hemolysis	SS
HAVIGM	86709	<b>Hepatitis A Antibody IgM (Anti-HAV-IgM)</b>	2 ml serum; separate and refrigerate, avoid hemolysis	SS
HBCAB	86704	<b>Hepatitis B core Antibody, (Anti-HBc - Total)</b>	2 ml serum; separate and refrigerate, avoid hemolysis	SS
HBCIGM	86705	<b>Hepatitis B core Antibody IgM (Anti-HBc IgM)</b>	1 ml serum; separate and refrigerate	SS
XHBEAB	86707	<b>Hepatitis Be Antibody (Anti-HBe)*</b>	1 ml serum; separate and refrigerate	SS
XHBEAG	87350	<b>Hepatitis Be Antigen (HBeAG)*</b>	1 ml serum; separate and refrigerate	SS
HBAB	86706	<b>Hepatitis B Surface Antibody (Anti-HBs)</b>	1 ml serum; separate and refrigerate, free of hemolysis	SS
HBSAG	87340	<b>Hepatitis B Surface Antigen (HBsAG)</b>	1 ml serum; separate and refrigerate, free of hemolysis	SS
HCV	86803	<b>Hepatitis C Antibody (Anti HCV)</b>	1 ml serum; separate and refrigerate	SS
YIHCVG	87902	<b>Hepatitis C Virus Genotype*</b>	2 ml serum; collect 1 SST or red top tube, centrifuge serum from cells within 24 hours of collection, separate and refrigerate. Alternate specimen; plasma from lavender top tube	SS
XHERPG	86695	<b>Herpes Simplex I, IgG* (HSV1 Ab IgG) and Herpes Simplex II – IgG*</b>	2 ml serum; minimum 1 ml; free from hemolysis, lipemia and bacterial contamination; fasting specimen preferred	SS
	86696			
XHSVG1	86695	<b>Herpes Simplex I, IgG*</b>	2 ml serum; minimum 1 ml; free from hemolysis, lipemia and bacterial contamination; fasting specimen preferred	SS
XHSVMT	86694	<b>Herpes Simplex I and II - IgM*</b>	2 ml serum; free from hemolysis and contamination	SS
XHSVC	87252	<b>Herpes Culture*</b>	1 viral transport vial. State site of collection; refrigerate. Screen for Herpes Simplex only. For Herpes Zoster, order viral culture.	VT
XHTRPH	86308	<b>Heterophile Antibodies* Differential Absorption with reflex to titer Heterophile titer</b>	1 ml serum free from hemolysis and bacterial contamination; centrifuge, remove serum from cells within 2 hours of collection; refrigerate	SS
	86309			
XHEXOW	83080 x2	<b>Hexosaminidase A and</b>	10-15 ml whole blood in ACD tube, refrigerate,	ACD



TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
		<b>Total Hexosaminidase, Leukocytes*</b>	sample must reach the reference lab within 48 hours of collection	
XSERB	84260	<b>5-HIAA (Serotonin), Blood*</b>	2 ml EDTA. Aliquot whole blood into 2 tubes and freeze. Contact Lab for special instructions.	L
XSRTIN	84260	<b>5-HIAA (Serotonin), Serum*</b>	2 ml. Serum; centrifuge within 2 hours of collection, aliquot serum into 2 tubes and <b>FREEZE</b>	SS
X5HIAT	83497	<b>5-HIAA (Serotonin), Urine*</b>	24 hr. urine specimen; collected in 20 ml 50% glacial acetic acid or 20 ml 50% 6N HCl	24U
XHSTMN	83088	<b>Histamine, blood*</b>	1 ml EDTA plasma FREEZE; use pre-chilled tube.	L
XHISAB	83516	<b>Histone, Antibody (IgG)*</b>	2 ml serum; separate from cells within 2 hours of collection and refrigerate	SS
XHSTPL	86698 x2	<b>Histoplasma Antibodies* By CF</b>	1 ml serum, separate and refrigerate	SS
CHIV	86703	<b>HIV Ag/Ab 4<sup>th</sup> Generation screen</b>	1 ml serum; separate and refrigerate	SS
XHIVG	87900	<b>HIV-1 Genotype*</b>	3 ml plasma from lavender top EDTA tube; separate and freeze within 24 hours of collection. <b>CRITICAL FROZEN.</b> Dedicated specimens are required	L
XHIV1I	87900 87901 87902	<b>HIV-1 Genotype (RT, PI, Integrase Inhibitors)*</b>	5 ml plasma from lavender top EDTA tube; separate and freeze within 24 hours of collection. <b>CRITICAL FROZEN.</b> Dedicated specimens are required	L
YIHIVG	87536	<b>HIV-1 RNA Ultra Quantitative*</b>	2 Lavender EDTA – 7ml; centrifuge and separate from cells ASAP within 6 hours of collection. Freeze plasma immediately. Dedicated specimens required.	2 L
HIVRAP	86701	<b>HIV (needle stick source patients only)</b>	1 ml EDTA plasma	2 L
YFB27G	86812	<b>HLA-B27*</b>	1 lavender top/EDTA whole blood; min 1.0 ml; keep at room temperature; <b>DO NOT SEPARATE, REFRIGERATE OR FREEZE.</b> Alternate specimen: heparin whole blood or ACD-A. Specimen must be received in laboratory within 48 hours of collection.	L
XHLB57	81381	<b>HLA-B 5701 Typing*</b>	1 lavender top/EDTA whole blood; min 1.0 ml; keep at room temperature; <b>DO NOT SEPARATE, REFRIGERATE OR FREEZE.</b>	L

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
			Alternate specimen: heparin whole blood or ACD-A	
YCIDA1	81372 81373	<b>HLA Class I Disease Association*</b>	1 lavender-top EDTA tube or 1 yellow-top ACD tube, Maintain at room temperature. Must be transported to the performing laboratory within 24 hours of collection.	L
HOMCS	83090	<b>Homocysteine, Total</b>	2 ml heparin or EDTA plasma. Centrifuge, remove plasma from cells and refrigerate. <b>DO NOT FREEZE.</b> Serum from SST is also acceptable	L
	87624	<b>HPV DNA High Risk</b>	Thin Prep Pap Test specimen transport media; order on Cytology requisition	
YGH	83003	<b>Human Growth Hormone*</b>	1 ml fasting serum; separate and freeze within 2 hours of collection. <b>CRITICAL FROZEN</b>	SS
X17OHP	84143	<b>17-Hydroxypregnenolone*</b>	1 ml serum; separate from cells within 2 hours of collection; FROZEN	SS
XHP17	83498	<b>17-Hydroxyprogesterone*</b>	1 ml serum; separate and refrigerate. Avoid hemolysis.	SS
	83505	<b>Hydroxyproline, Total*</b>	Two 5 ml aliquots from a well-mixed 24 hr. collection; <b>FROZEN</b>	24U
	83491 82570	<b>17-Hydroxycorticosteroids*</b>	24 hr urine specimen collected with 1 gram boric acid	24U
	80329 G0480	<b>Ibuprofen*</b>	1ml serum; draw specimen between 60-90 minutes post dose in plain red-top tube; DO NOT USE SERUM SEPARATION TUBE	R
IGA	82784	<b>IgA (Immunoglobulin A)</b>	1 ml serum; separate and refrigerate, minimum 0.5 ml	SS
XIGD	82784	<b>IgD* (Immunoglobulin D)</b>	1 ml serum; separate from cells ASAP and refrigerate. Avoid hemolysis	SS
IGE	82785	<b>IgE (Immunoglobulin E)</b>	1 ml serum; separate and refrigerate, minimum 0.5 ml; free from hemolysis	SS
IGG	82784	<b>IgG (Immunoglobulin G)</b>	1 ml serum; separate and refrigerate, minimum 0.5 ml	SS
YIGSUB	82784 82787 X4	<b>IgG Immunoglobulin Subclass*</b>	4 ml serum; let specimen clot 30 minutes then centrifuge; separate, do not refrigerate or freeze	SS
IGM	82784	<b>IgM (Immunoglobulin M)</b>	1 ml serum; separate and refrigerate, minimum 0.5 ml	SS
XIMIPR	80335/ G0480	<b>Imipramine*</b>	1 ml serum; centrifuge and separate within 2 hours of collection, DO NOT USE SERUM	R

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
			SEPARATION TUBE	
XIMDFP	86360 86355 86357 86359	<b>Immune Deficiency Panel, Comprehensive*</b>	CD3, CD4, CD8, CD19, CD16/56 and CD4:CD8 Ratio 7 ml EDTA whole blood; room temperature. Ship within 24 hours of collection. <b>LAVENDER TOP TUBES ONLY ACCEPTABLE CONTAINER.</b>	L
IFE	86334	<b>Immunofixation, Serum (includes IgG, IgA, IgM)</b>	1 ml serum; avoid hemolysis Run IFE if SPE indicates need for further testing	SS
UIFE	86334	<b>Immunofixation, Urine</b>	10 ml random urine or 24 hr. urine collected without preservative. Run UIFE if UPE indicates need for further testing.	24U/U
YIGSUB	82874 82787 x4	<b>Immunoglobulin IgG Subclasses*</b>	4 ml serum; let specimen clot 30 minutes then centrifuge; separate, do not refrigerate or freeze	SS
XPRPAN	80375 or 82491	<b>Inderal* (Propranolol)</b>	1 ml separate and refrigerate. DO NOT USE SERUM SEPARATOR TUBE	R
XFLUGM	86710 x4	<b>Influenza A, B Virus Antibody*, IgG, IgM</b>	1 ml serum; separate serum from cells within 2 hours and refrigerate. Avoid hemolysis	SS
FLU	87400 x2	<b>Influenza A/B Virus Antigen</b>	Nasopharyngeal swab submitted in 1-3 ml of saline, M4 or viral transport media. Specimen should be placed on ice for transport to the laboratory	VT/SC
INHA	86336	<b>Inhibin A (Maternal Use)</b>	1 ml serum; separate and refrigerate	SS
XINHBB	82397	<b>Inhibin B*</b>	1 ml serum; separate and refrigerate. Avoid hemolysis	SS
XINHIB	86336	<b>Inhibin A (Tumor marker)*</b>	2 ml serum; separate and refrigerate serum.	SS
INSL	83525	<b>Insulin</b>	1 ml serum; separate and refrigerate; free of hemolysis 12 hr FASTING SPECIMEN REQUIRED	SS
XIAB	86337	<b>Insulin Antibodies*</b>	1 ml serum; separate and refrigerate	SS
XIFACA	86340	<b>Intrinsic Factor Blocking Antibody*</b>	1 ml serum; separate within 2 hours of collection and refrigerate	SS
XIODI	83789	<b>Iodine, Serum*</b>	3 ml blood; draw in dark blue no additive tube.	DBN
IRON	83540	<b>Iron, Serum</b>	1 ml serum; separate and refrigerate, avoid hemolysis	SS
FEIBC	83540 83550	<b>Iron/TIBC/% Saturation</b>	1 ml serum; separate and refrigerate, avoid hemolysis; minimum 0.5 ml	SS

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
YJO1	86235	<b>Jo-1 IgG Antibody*</b>	1ml serum; separate and refrigerate within 2 hours of collection	SS
KARYPB		<b>Karyotype</b>	See Chromosome Analysis	
X17KTS	83586	<b>17-Ketosteroids*</b>	50 ml of a 24 hr urine collection. Refrigerate. Add 25 ml of 50% acetic acid at start of collection. Use 15 ml of 50% acetic acid for children less than 5 years old.	24U
KOH	87220	<b>KOH Preparation</b>	Aseptically collected specimen in sterile container (for fungus only)	SC
LA	83605	<b>Lactic Acid (Lactate)</b>	One Gray-top Fluoride Oxalate tube. Collect specimen on ice, send immediately to the lab for processing.	GY
TLD	83615	<b>Lactate Dehydrogenase (LD)</b>	1 ml serum; avoid hemolysis; centrifuge after clotting; minimum 0.5 ml	SS
LCTTOL	82951	<b>Lactose Tolerance, 2 Hour</b>	Call laboratory for appointment	
YLAMOT	80175	<b>Lamotrigine (Lamictal)*</b>	1 ml serum; refrigerate within 2 hours of collection. DO NOT USE SERUM SEPARATION TUBE	R
DIG	80162	<b>Lanoxin</b>	1 ml serum; DO NOT USE SERUM SEPARATION TUBE	R
TLD	83615	<b>LD</b>	1 ml serum; avoid hemolysis; centrifuge after clotting; minimum 0.5 ml	SS
XTLDIS	83625 83615	<b>LD Isoenzymes* LDH Isoenzymes with Total LDH</b>	2 ml serum; separate and room temperature	SS
XDLDL	83721	<b>LDL, Direct*</b>	1 ml FASTING serum, centrifuge and separate from cells within 3 hours of collection, EDTA plasma or heparinized plasma also acceptable, ,refrigerate	SS
XLEAD	83655	<b>Lead, Blood*</b>	2 ml EDTA whole blood (lavender or royal blue top trace metal tube); mix well to avoid clot formation <b>OR</b> EDTA whole blood (dark blue top tube, brown tops are preferred); a Blood Lead Data Information for must accompany specimen. See form section. MINIMUM pediatric/capillary: 1 full (.5-.7 ml) lavender microtainer. Refrigerate <b>Send MDCH report form with specimen</b>	L or RB
XPBUR	83655	<b>Lead, Urine Quantitative*</b>	10 ml refrigerated aliquot from well-mixed 24 hour urine collected in a plastic container.	24U

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
			Refrigerate. Record total volume.	
XLEGPA	86713	<b>Legionella Antibodies IgG (Serogroups 1-6)*</b>	2 ml serum; draw in SST, spin and separate within 2 hours of collection; free of hemolysis, lipemia and bacterial contamination	SS
LEGUAG	87450	<b>Legionella Antigen, Urine</b>	2-3 ml random urine or 2-3 ml in boric acid transport; refrigerate urine if not in transport	U UP
XLEPCR	87541 87798	<b>Legionella by PCR*</b>	Collect respiratory specimen in sterile container; 2.0 ml in sterile screw capped container or in viral transport media.	M4/VT
	83670	<b>Leucine Aminopeptidase*</b>	1 ml <b>FROZEN</b> serum	SS
YLEVEI	80177	<b>Levetiracetam Level* (Keppra)</b>	2 ml serum; draw in plain red-top tube, separate within 2 hours of collection, refrigerate. DO NOT USE SERUM SEPARATOR TUBE	R
XCDIAZ	80346/ G0480	<b>Librium*</b>	1 ml serum; collect in plain red-top tube; DO NOT USE SERUM SEPARATION TUBE, protect from light	R
LIPASE	83690	<b>Lipase</b>	1 ml serum; separate and refrigerate, avoid lipemia	SS
LIPID	82465 83718 84478	<b>Lipid Panel Includes: Cholesterol Triglyceride HDL, VLDL Calculated LDL Chol/HDL Ratio</b>	3 ml serum; fasting specimen; minimum 1 ml	SS
XLIPEP	83700 84478 82465	<b>Lipo Electrophoresis*</b>	3 ml serum; separate and refrigerate. Fasting patient 12-14 hours after 2 weeks on a stable diet	SS
XNMRPC	83704	<b>LipoFit by NMR*</b>	2 ml serum; collect in plain red-top tube, centrifuge and separate within 8 hours of collection. DO NOT USE SERUM SEPARATION TUBE, refrigerate	R
XLIPOA	83695	<b>Lipoprotein (a)*</b>	1 ml serum; separate and refrigerate, collect after 12 hour fast	SS
LITH	80178	<b>Lithium</b>	1 ml serum; free from hemolysis: DO NOT COLLECT IN SERUM SEPARATION TUBE; State hours post med	R
XLKMSA	86376	<b>Liver/Kidney Microsomal Autoantibodies*</b>	1 ml serum; separate and refrigerate	SS
XLRZEP	80346/	<b>Lorazepam (Ativan)*</b>	4.0 ml serum; separate and refrigerate. DO	R

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
	G0480		NOT COLLECT IN SERUM SEPARATOR TUBE	
	80101	<b>LSD, Qual.*</b>	20 ml random urine; protect from light by wrapping in foil	U
XLUPAC	85613 x3, 85730	<b>Lupus Anticoagulant* (LAC)</b>	2 ml citrated plasma; <b>CRITICAL FROZEN.</b> Patients should not be on Coumadin therapy for 2 weeks or heparin therapy for 2 days prior to test	B
LH	83002	<b>Luteinizing Hormone (LH), Serum</b>	1 ml serum; separate and refrigerate. Freeze specimen if testing will not occur within 72 hours	SS
YLYMAB	86618	<b>Lyme Disease Ab (Total)*</b>	1 ml serum; separate within 2 hours of collection and refrigerate	SS
XLYMWB	86617 x2	<b>Lyme Disease Ab, Western Blot*</b>	1 ml serum; separate and refrigerate	SS
XLYSOZ	85549	<b>Lysozyme (Muramidase)* Serum Urine</b>	1 ml serum; separate and refrigerate ASAP. 0.5 ml CSF, tears or other body fluid other than urine. Random 3 ml; aliquot from well-mixed random collection @ 2-8°C, refrigerate. <b>INDICATE SOURCE.</b>	SS or U
MG	83735	<b>Magnesium, Serum</b>	1 ml serum; avoid hemolysis; centrifuge after clotting; minimum 0.5 ml	SS
TUMAG	83735	<b>Magnesium, Urine</b>	24 hr urine specimen collected with 25 ml 6N HCl	24U
MALAP	87207	<b>Malaria Smear</b>	3 ml EDTA whole blood or 2 thick and 2 thin smears	L
MALACT		<b>Malaria Count</b>	3 ml EDTA whole blood	L
XMN	83785	<b>Manganese*</b>	1 Dark Blue Top (EDTA)/7.0 mL EDTA whole blood; or 1 Dark Blue Top (no additive)/2.0 mL serum. Avoid the use of glass for serum specimen; room temperature	DB
	80299	<b>Mebaral*</b>	See Mephobarbital. 1 red top tube; separate and refrigerate. DO NOT USE SERUM SEPARATOR	R
	80362	<b>Meperidine (Demerol)*</b>	2 ml serum; DO NOT USE SERUM SEPARATION TUBE	R
	80299	<b>Mephenytoin (Mesantoin)*</b>	1ml serum; separate and refrigerate serum within 8 hours. DO NOT USE SERUM SEPARATION TUBE	R

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
	80299	<b>Mephobarbital (Mebaral)*</b>	Red top tube. Separate and refrigerate	R
	83805	<b>Meproamate (Equanil)* (Miltown)</b>	3 ml serum; DO NOT USE SERUM SEPARATION TUBE	R
XMERC	83825	<b>Mercury, Blood*</b>	7.0 ml dark blue top EDTA whole blood; refrigerate	DB
XURMER	83825	<b>Mercury, Urine*</b>	24 hr urine specimen collected in a non-colored plastic container. Refrigerate during collection. Timed or random urine – record volume and collection lengths, random specimen also accepted	24U/U
	80299	<b>Mesoridazine (Serentil)*</b>	2 ml serum; protect from light; DO NOT USE SERUM SEPARATION TUBE	R
XTUMTS	82570 83835	<b>Metanephrines, Fractionated (Urine)*</b>	24 hr urine specimen collected with 30 ml 6N HCl; pH <3.0. Freeze 10 ml aliquot after recording total volume	24U
	80307	<b>Methadone, Qual.*</b>	10 ml random urine; minimum 5 ml. Refrigerate See Drug Abuse Screens - Urine Panels	U
	80368	<b>Methaqualone (Quaalude), Qual.*</b>	10 ml random urine; minimum 5 ml See Drug Abuse Screens - Urine Panels	U
METHGB	83050	<b>Methemoglobin</b>	Send patient to OHMC-D MOB draw site ONLY. Place on ice and deliver <b>immediately</b> to OHMC Lab	
YMTX	80375/ G4080	<b>Methotrexate Level*</b>	2 ml serum; draw in plain red-top tube, separate within two hours of collection, refrigerate. DO NOT USE SERUM SEPARATOR TUBE.	R
XMTHSX	80339/ G0480	<b>Methsuximide (Celontin)*</b>	2 ml serum; refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
XMTHMA	83921	<b>Methylmalonic Acid, Serum*</b>	3 ml serum; separate and FREEZE	SS
XUMMAG	83921 82570	<b>Methylmalonic Acid, Urine*</b>	5 ml random urine, refrigerate	U
	80360	<b>Methylphenidate (Ritalin)*</b>	2 ml <b>FROZEN</b> serum; draw in plain red-top tube; <b>CRITICAL FROZEN</b> , DO NOT USE SERUM SEPARATION TUBE	RD
XMLET	80299	<b>Mexiletine (Mexitol)*</b>	2 ml serum; separate and refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
TUMALB	82043	<b>Microalbumin - 24 hr. Urine</b>	24 hr. urine specimen collected without preservative or a timed specimen collection; specify time and collection intervals and total	24U

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
			volume	
RUMALB	82043	<b>Microalbumin - Random Urine (Includes Albumin/ Creatinine ratio)</b>	4 ml random urine in sterile container	U
	80299 82491	<b>Milontin*</b>	2 ml serum; draw in plain red-top tube, refrigerate	R
	83805	<b>Miltown*</b>	3 ml serum; DO NOT USE SERUM SEPARATION TUBE	R
MONO	86308	<b>Mono Test, Qual.</b>	1 ml serum; separate and refrigerate	SS
MUMPG	86735	<b>Mumps Antibodies, IgG</b>	1 ml serum; separate and refrigerate	SS
XLYSOZ	85549	<b>Muramidase*</b>	1 ml serum; collect in plain red-top tube, refrigerate	R
YMPA	80180	<b>Mycophenolic Acid*</b>	1 ml serum; collect in plain red-top tube, refrigerate within two hours of collection. DO NOT USE SERUM SEPARATION TUBE	R
XMYCAG	86738	<b>Mycoplasma Pneumoniae Antibody*, IgG</b>	1 ml serum; refrigerate and refrigerate	SS
XMYCAM	86738	<b>Mycoplasma Pneumoniae, Antibody*, IgM</b>	1 ml serum; refrigerate and refrigerate	SS
XMPCUL	87109	<b>Mycoplasma Pneumoniae Culture*</b>	Send respiratory sample (throat swab) in universal transport media, FROZEN	M4
XMUCUL	87109	<b>Mycoplasma/Ureaplasma Cultures*</b>	a. Genital sample in special transport media, or b. Respiratory sample (throat swab, sputum) in special transport media. Refrigerate. Indicate source. Call laboratory for transport media.	
XCMBP	83873	<b>Myelin Basic Protein*</b>	2 ml spinal fluid; call lab for pick-up; refrigerate. Do not centrifuge, submitting 4 <sup>th</sup> lumbar puncture collection tube minimizes blood contamination	CSF
MYO	83874	<b>Myoglobin, Serum</b>	Specimen must be received in lab within 3 hrs of collection. Avoid hemolysis	GNL
XUMYO	83874	<b>Myoglobin, Urine, Qual.*</b>	5 ml random urine; refrigerate do not use preservative	U
XMYS	80188	<b>Mysoline (Primidone) (Includes Phenobarbital Metabolite)*</b>	1 ml serum; separate and refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
XPA	80192	<b>NAPA*</b>	1 ml serum; draw in plain red-top tube; DO NOT USE SERUM SEPARATION TUBE	R



TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
XTHTHX	80342/ G0480	<b>Navane*</b>	1 ml serum; draw in plain red-top tube, separate from cells with 2 hours of collection, DO NOT USE SERUM SEPARATION TUBE	R
XPNTBB	80345/ G0480	<b>Nembutal*</b>	1 ml serum; draw in plain red-top tube; refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
IBILI	82247 82248	<b>Neonatal Bilirubin (includes Total and Direct)</b>	1 full amber microtainer; avoid exposure to light	SS
	83520	<b>Neuron Specific Enolase (RIA)*</b>	2 ml serum separated into two plastic vials before <b>FREEZING</b>	SS
XNCAB	86255 x2	<b>Neutrophil Cytoplasmic Antibody (ANCA)*</b>	1 ml serum; 0.5 ml minimum; separate and refrigerate	SS
XNIC	83885	<b>Nickel, Serum*</b>	2 ml serum; COLLECT IN DARK BLUE TUBE; no additives; do not allow serum to remain on cells. Separate and refrigerate serum or plasma	DB
	83885	<b>Nickel, Urine*</b>	24 hr urine specimen collected in plastic container. Refrigerate during collection.	24U
YNICQS	G0480	<b>Nicotine, Quant* serum</b>	2 ml serum; draw in plain red-top tube, DO NOT USE SERUM SEPARATION TUBE	R
YNICQU	G0480	<b>Nicotine, Quant* urine</b>	30 ml random urine, minimum 5 ml.	U
	80301/ G0479	<b>NIDA 5 screen*-Forensic Drug Abuse Screen, Urine 5 Panel (Includes Amphetamines, Cocaine, Opiates, Phencyclidine (PCP), THC-50)</b>	10 ml random urine; minimum 5 ml. XFT5Chain of custody/tamper-proof seal intact if legal implication. State "Confirm by alternate method" if required.  PSC: do not collect specimens requiring chain of custody	U
XDSPYR	80299	<b>Norpace*</b>	1 ml serum; draw in plain red-top tube, refrigerate, DO NOT USE SERUM SEPARATION TUBE	R
XDSIPR	80335/ G0480	<b>Norpramin*</b>	2 ml serum; draw in plain red-top tube, DO NOT USE SERUM SEPARATION TUBE, refrigerate	R
XNTRIP	80335/ G0480	<b>Nortriptyline (Aventyl)*</b>	1 ml serum; draw in plain red-top tube, DO NOT USE SERUM SEPARATION TUBE; separate and refrigerate within 2 hrs	R
X5NUC	83915	<b>5'Nucleotidase*</b>	1 ml serum; separate serum from cells within 2 hours and refrigerate immediately	SS
OBPROF	85025 86592	<b>OB Profile (Contains: CBC/Diff, RPR,Rubella IgG</b>	1-5 ml clotted blood and 7 ml EDTA whole blood; DO NOT USE SERUM SEPARATION	2 R + L

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
	86762 87340	HBsAg)	TUBE	
OB	82270	Occult Blood, Stool	Properly inoculated collection cards collected on 3 consecutive days, date each card OR 3 separate stool specimens in clean labeled vials collected on 3 consecutive days and dated.	OB
OBFITS	G0328	Occult Blood Immuno Screen (OB-FIT)	Properly collected stool sample per the collection instructions provide in the <u>Package Insert for Personal Use Kit</u>	
XCSFPE	83916	Oligoclonal Banding*	4 ml spinal fluid AND 1 ml serum; refrigerate	CSF + SS
	80307/ G0479	Opiates, Qual.*	10 ml random urine; minimum 5 ml (See Drug Abuse Screens - Urine Panels)	U
XORGPA	83918	Organic Acids*, Plasma	Collect one Green top tube, spin, separate plasma from cells and FREEZE within 1 hour of collection.	GN
XORGAU	83918	Organic Acids Screen*, Urine	10 ml frozen urine from a random urine collection. <b>CRITICAL FROZEN.</b> Family history, clinical condition (asymptomatic or acute episode), diet, age, gender, and drug therapy information are required for interpretation.	U
OSMO	83930	Osmolality, Serum	1 ml serum; separate and refrigerate	SS
UOSMO	83935	Osmolality, Urine	2 ml random urine; collected without preservative	U
XOSTEO	83937	Osteocalcin*	1 ml serum; draw in plain red-top tube, separate and freeze within 2 hours of collection. Patient should fast for 12 hours prior to collection. <b>CRITICAL FROZEN</b>	R
OP	87177 87209	Ova and Parasites	Random stool specimen in green capped Ecofix container; see special instructions included with tubes	
XOXALT	83945	Oxalate* (Timed Urine)	24 hr urine specimen collected with 25ml 6N HCl. Adjust pH 1-3.	24U
XNTRIP	80335/ G0480	Pamelor (Nortriptyline)*	1 ml serum; draw in plain red-top tube, DO NOT USE SERUM SEPARATION TUBE; separate and refrigerate within 2 hrs	R
	88164	Pap Smear (Standard)	See Directory of Services, Cytology, Section 2	
	88175	Pap - Liquid Base (Thin Prep)	See Directory of Services, Cytology, Section 2	
PTH	83970	Parathormone	1 ml serum or plasma. Specimen should be	SS

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
		<b>(Parathyroid Hormone), Intact</b>	spun and separated from cells within 2 hours. FREEZE.	
XPTHRP	83519	<b>Parathyroid Hormone Related Protein*</b>	Spin and separate plasma from cells within 2 hours of collection, room temperature	GN
XPARAB	83516	<b>Parietal Cell Antibody* (Antibodies only)</b>	1 ml serum; separate and refrigerate	SS
APTT	85730	<b>Partial Thromboplastin Time (PTT)</b>	2.7 ml (tube size) properly filled citrated whole blood	B
XPAROX	80332	<b>Paroxetine*</b>	1 ml serum; separate and refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
XPVPNL	86747 x2	<b>Parvovirus-B19-Antibody Panel*</b>	1 ml serum; separate and refrigerate - free of hemolysis and gross lipemia	SS
XPNTBB	80345/ G0480	<b>Pentobarbital (Nembutal)*</b>	1 ml serum; draw in plain red-top tube; refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
UAPH	81003	<b>pH, Random Urine</b>	5 ml fresh random urine; minimum 1 ml	U
	80307/ G0479	<b>Phencyclidine (PCP), Qual.*</b>	10 ml random urine; minimum 5 ml	U
PHENO	80184	<b>Phenobarbital</b>	1 ml serum; minimum 0.5 ml; DO NOT USE SERUM SEPARATION TUBE; state hours post med	R
	80299/ 82491	<b>Phensuximide (Milontin)*</b>	2 ml serum; draw in plain red-top tube, refrigerate	R
PHENY	80185	<b>Phenytoin</b>	1 ml serum; minimum 0.5 ml; DO NOT USE SERUM SEPARATION TUBE; state hours post med	R
XFDIL	80186	<b>Phenytoin, Free*</b>	1 ml serum; refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
XPACP	84066	<b>Phosphatase Acid, Prostatic*</b>	2 ml serum; separate from cells and FREEZE serum. Samples must be obtained before rectal examination, biopsy, prostatectomy or prostatic massage.	SS
XACP	84060	<b>Phosphatase, Acid, Total*</b>	1.5 ml serum; separate from cells ASAP. <b>CRITICAL FROZEN</b>	SS
ALP	84075	<b>Phosphatase, Alkaline</b>	1 ml serum; separate and refrigerate, free from hemolysis and lipemia; minimum 0.5 ml	SS
XALKPI	84075 84080	<b>Phosphatase, Alkaline, Isoenzymes*</b>	2 ml serum; separate and refrigerate, serum free from hemolysis; fasting patient	SS

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
PHOS	84100	<b>Phosphorus, Inorganic, Serum</b>	1 ml serum; separate and refrigerate, minimum 0.5 ml (avoid hemolysis)	SS
RUPHOS	84105	<b>Phosphorus, Urine Random</b>	Random urine	U
TUPHOS	84105	<b>Phosphorus, Urine, 24 Hour</b>	24 hr urine specimen collection preserved with 20 ml concentrated HCl	24U
PINWRM	87172	<b>Pinworm Preparation</b>	Special collection/transport container; call laboratory for paddle container; follow directions on container	
	82690	<b>Placidyl*</b>	2 ml serum; DO NOT USE SERUM SEPARATION TUBE	R
XPLASI	86022 x5	<b>Platelet Antibodies*, Indirect</b>	3 ml serum; Separate and FREEZE serum. SST and plasma acceptable	SS
XPLABD	86023	<b>Platelet Antibodies, Direct*</b>	2 Lavender top EDTA/10 ml whole blood tubes, Critical ambient/room temperature. Specimen must be received at laboratory within 24 hours of collection	2L
PLT	85049	<b>Platelet Count</b>	3 ml EDTA whole blood; minimum 2 ml or one full lavender microtainer	L
PLTFA	85576	<b>Platelet Function Assay</b>	Collect 2 blue top tubes, notify testing site. Testing only performed at Dearborn and Trenton facilities. Must be collected with a 21 gauge needle or larger.	2B
XPOLAB	86832 x2	<b>Poliovirus Antibodies* (Type 1,3)</b>	1 ml serum; separate serum and refrigerate. Label acute or convalescent	SS
XPCB	82441	<b>Polychlorinated Biphenyl Level (PCB)*</b>	2 ml serum; draw in plain red-top tube, refrigerate.	R
XPORQT	84110	<b>Porphobilinogen, Quant.*</b>	10 ml random urine specimen collected without preservative; protect from strong light	U
XUPOFQ	84120	<b>Porphyryns (Coproporphyrin and Uroporphyrin), Quant., Fractionated*</b>	24 hr urine specimen collected without preservative; refrigerate during collection; protect from light.	24U
XKRBC	84132	<b>Potassium, RBC*</b>	2 ml whole blood, draw in lithium or sodium heparin green-top tube, refrigerate. Send whole blood	GN
K	84132	<b>Potassium, Serum</b>	1 ml serum; avoid hemolysis; centrifuge after clotting; minimum 0.5 ml	SS
TUK	84133	<b>Potassium, Urine, 24 Hr.</b>	24 hr urine specimen collected without	24U

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
			preservative	
PREALB	84134	<b>Prealbumin</b>	1 ml serum; separate and refrigerate, fasting specimen recommended	SS
XPRGLN	84140	<b>Pregnenolone*</b>	1 ml <b>FROZEN</b> serum; draw in plain red-top tube, separate and freeze within 1 hour of collection. <b>CRITICAL FROZEN</b>	R
XMYS	80188	<b>Primidone*</b>	1 ml serum; separate and refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
XPA	80192	<b>Procainamide (Pronestyl),* (Includes NAPA metabolite)</b>	2 ml serum; draw in a plain red-top tube, DO NOT USE SERUM SEPARATION TUBE; State hours post med, refrigerate	R
PCT	84145	<b>Procalcitonin*</b>	2 ml whole blood; Light Green-top (PST tube). Do not use SST, Dark Green-top Lithium or Sodium Heparin tubes, or Lavender-top EDTA tubes; refrigerate	GT
PRG	84144	<b>Progesterone</b>	1 ml serum; separate and refrigerate, free from hemolysis; minimum 0.5 ml	SS
PRL	84146	<b>Prolactin</b>	1 ml serum; separate and refrigerate, free from hemolysis; minimum 0.5 ml	SS
XFLPNZ	80342/ G0480	<b>Prolixin*</b>	2 ml serum; centrifuge and separate from cells within 2 hours of collection, refrigerate.	R
XPRPF	80299	<b>Propafenone (Rythmol)*</b>	3 ml serum; draw in plain red-top tube, DO NOT use serum separator, refrigerate.	R
XPA	80192	<b>Pronestyl*</b>	2 ml serum; draw in a plain red-top tube, DO NOT USE SERUM SEPARATION TUBE; State hours post med, refrigerate	R
	80307	<b>Propoxyphene (Darvon)* Qual.</b>	10 ml random urine; refrigerate. (See Drug Abuse Screens - Urine Panels)	U
	80367/ G6056	<b>Propoxyphene (Darvon)* Quant</b>	3 ml serum; separate and refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
XPRPAN	80375 or 80299	<b>Propranolol (Inderal)*</b>	1 ml separate and refrigerate. DO NOT USE SERUM SEPARATOR TUBE	R
PSA	84153	<b>Prostate Specific Antigen (PSA) - Total</b>	1 ml serum; separate and refrigerate, free from hemolysis; minimum 0.5 ml	SS
XFPSA	84153 84154	<b>Prostate Specific Antigen (PSA) - Free and Total*</b>	1 ml serum; separate and freeze serum. <b>CRITICAL FROZEN.</b> Avoid hemolysis.	SS
XPACP	84066	<b>Prostatic Acid Phosphatase*</b>	2 ml serum; separate from cells and FREEZE serum. Samples must be obtained before rectal	SS

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
			examination, biopsy, prostatectomy or prostatic massage	
XPROTC	85303	<b>Protein C Activity*</b>	2 ml FROZEN citrated plasma; <b>CRITICAL FROZEN</b>	B
XPRTCA	85302	<b>Protein C Antigen*</b>	2 ml FROZEN citrated plasma; <b>CRITICAL FROZEN</b>	B
SPE	84165	<b>Protein Electrophoresis, Serum</b>	2 ml serum; separate and refrigerate, avoid hemolysis; minimum 1 ml	SS
RUPE	84165	<b>Protein Electrophoresis, Urine, Random</b>	50 ml random urine	U
UPE	84165	<b>Protein Electrophoresis, 24 hr. Urine</b>	24 hr. urine collected without preservative	24U
XPROTS	85306	<b>Protein S Activity*</b>	2 ml FROZEN citrated plasma; <b>CRITICAL FROZEN</b>	B
XPRTSA	85305	<b>Protein S Antigen*</b>	2 ml FROZEN citrated plasma; <b>CRITICAL FROZEN</b>	B
TP	84155	<b>Protein, Total, Serum</b>	1 ml serum; separate and refrigerate, minimum 0.5 ml	SS
TUTP	84155	<b>Protein, Total, Urine</b>	24 hr urine specimen collected without preservative	24U
PT	85610	<b>Prothrombin Time (PT)/INR</b>	2.7 ml (tube size) properly filled citrated whole blood	B
XPPR	84202	<b>Protoporphyrin RBC (FEP)*</b>	2 ml EDTA whole blood. Refrigerate, protect from light. Transfer whole blood to amber tubes to protect light. Frozen or hemolyzed samples are unacceptable. Wrap in aluminum foil.	DB/L
XZNPRT	84202	<b>Protoporphyrin, Zinc (ZPP)*</b>	1 ml EDTA whole blood; refrigerate, protect from light.	DB/L
XPRVNT	80375	<b>Proventil*</b>	2 ml serum, refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
XFLUOX	80299	<b>Prozac*</b>	2 ml serum; separate and refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
PSA	84153	<b>PSA</b>	1 ml serum; separate and refrigerate, free from hemolysis; minimum 0.5 ml	SS
XDNARA	82480 82638	<b>Pseudocholinesterase* (PSE)</b>	1 ml serum; after allowing specimen to clot, separate by centrifugation and refrigerate serum/plasma. Hemolyzed samples should not be used.	SS

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
PTH	83970	<b>PTH - Intact</b>	1 ml serum or plasma. Specimen should be spun and separated from cells within 2 hours. FREEZE	SS
XPYRUV	84210	<b>Pyruvate* Pyruvic Acid</b>	Special handling required; send fasting patient to OHMC-D MOB, suite 107 draw site only.	
	80368	<b>Quaalude</b>	10 ml random urine; minimum 5 ml See Drug Abuse Screens - Urine Panels	U
QUADSC		<b>Quad Screen</b>		
AFPMTL	82105	<b>Alpha-fetoprotein</b>	1 ml serum, avoid hemolysis; state gestational age, weight, race, multiple pregnancies, IDDM	SS
INHA	86336	<b>Inhibin A</b>	Referred to as Quad Test	
HCGQDS	84702	<b>HCG</b>		
UE3	82677	<b>UE3 (Estriol)</b>		
YQFTB	86480	<b>QuantiFERON-TB Gold*</b>	Test requires special collection kit, contact laboratory	
XQUIN	80194	<b>Quinidine*</b>	1 ml serum; minimum 0.5 ml; DO NOT USE SERUM SEPARATION TUBE; State hours post med	R
	86003	<b>RAST Test*</b>	1 ml serum for 5 allergens (See Allergen List) 0.1 ml serum for each additional allergen.	SS
RBC	85041	<b>Red Blood Cell Count (RBC)</b>	5 ml EDTA whole blood; minimum 2 ml or one full (0.5-0.7) lavender microtainer	L
XRDSTL	84376	<b>Reducing Substances, Stool*</b>	Random stool specimen in clean (white-capped) vial.	ST
	86756	<b>Respiratory Syncytial Virus Antibodies (RSV)*</b>	1ml serum; separate and refrigerate	SS
RSV	87420	<b>Respiratory Syncytial Virus Antigen (EIA)</b>	Nasal pharyngeal swab submitted in viral culture media or nasal pharyngeal aspirate in sterile tube. Submit on cold pack. <b>CALL FOR STAT</b> pickup.	
RSVR	87634	<b>Respiratory Syncytial Virus Antigen with PCR</b>	Nasal pharyngeal swab submitted in viral culture media or nasal pharyngeal aspirate in sterile tube. Submit on cold pack. <b>CALL FOR STAT</b> pickup	
RETIC	85045	<b>Reticulocyte Count</b>	3 ml fresh EDTA whole blood	L
XVITA	84590	<b>Retinol*</b>	1 ml <b>FROZEN</b> serum; draw in plain red-top tube, fasting patient; free from alcohol for 24 hrs. Protect from light – place in Amber transport tube. <b>CRITICAL FROZEN</b>	R
RF	86431	<b>Rheumatoid Factor</b>	1 ml serum; minimum 0.5 ml; fasting specimen	SS

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
			recommended	
XVWACT	85575	<b>Ristocetin Cofactor*</b>	Blue Top/1 ml of citrate plasma; separate and freeze within 4 hours – part of Von Willebrand Panel	B
XRITAL	80360	<b>Ritalin*</b>	2 ml <b>FROZEN</b> serum; draw in plain red-top tube; <b>CRITICAL FROZEN, DO NOT USE SERUM SEPARATION TUBE</b>	R
YRNP	86235	<b>RNP Antibody*, IgG</b>	4 ml serum, separate and refrigerate	SS
ROTA	87425	<b>Rotavirus EIA</b>	5 gm random stool specimen in clean (white-capped) vial	ST
RPR RPR TIT	86592 86593	<b>RPR (titer performed if reactive)</b>	1 ml serum; separate and freeze. DO NOT use siliconized tubes	SS
RUBIGG	86762	<b>Rubella Antibody, IgG</b>	1 ml serum; separate and refrigerate	SS
XRUBM	86762	<b>Rubella Antibody, IgM*</b>	1ml serum; separate and refrigerate	SS
RUBEOG	86765	<b>Rubeola Antibody, IgG</b>	1ml serum; separate and refrigerate	SS
XRUBOM	86765	<b>Rubeola Antibody, IgM*</b>	1ml serum; separate and refrigerate	SS
SALIC	G0480	<b>Salicylates</b>	1 ml serum; draw in plain red-top tube, separate and refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
YSCL70	86235	<b>Scleroderma Antibodies (SCL 70)*</b>	1ml serum; separate and refrigerate	SS
	80299	<b>Secobarbital (Seconal)*</b>	1ml serum; DO NOT USE SERUM SEPARATION TUBE	R
ESRWES	85652	<b>Sedimentation Rate (Westergren)</b>	3 ml EDTA whole blood	L
XSEL	84255	<b>Selenium, Blood*</b>	2 ml serum (Dark Blue, no additives) or plasma (DB, EDTA). Avoid use of glass, spin and separate serum/plasma from cells into plastic tube ASAP; refrigerate.	DB
SEMEN	89320	<b>Semen Analysis</b>	Call laboratory for instructions	
	80299	<b>Serentil*</b>	2 ml serum; protect from light; DO NOT USE SERUM SEPARATION TUBE	R
XSRTIN	84260	<b>Serotonin*, Serum (5- Hydroxytryptamine)</b>	1ml serum; draw in plain red-top tube, separate and freeze into 2 plastic vials within 2 hours of collection. <b>CRITICAL FROZEN</b>	R



TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
XSERB	84260	<b>Serotonin, Blood*</b>	Call laboratory for instructions	L
X5HIAT	83497 82570	<b>Serotonin, Urine (5-Hydroxyindole Acetic Acid)*</b>	Call laboratory for instructions	
XSRALQ	86022	<b>Serotonin Release Assay, Low Molecular Weight Heparin*</b>	1 ml serum; separate and refrigerate	SS
	80332/ G0480	<b>Sertraline (Zoloft)*</b>	2.0 ml serum; draw in plain red-top tube, separate serum from cells within 2 hours of collection, DO NOT USE SERUM SEPARATOR TUBE	R
YSHBG	84270	<b>Sex Hormone Binding Globulin*</b>	1ml serum; separate and FREEZE. Specify age and sex on request form.	SS
YSMITA	86235	<b>Smith Antibody*, IgG</b>	2 ml serum; separate and refrigerate	SS
STRPZ	86063	<b>Streptozyme Screen (titer performed if positive)</b>	1 ml serum; separate and refrigerate, avoid hemolysis	SS
STRPZT	86060	<b>Streptozyme Titer (only performed as reflex with positive Streptozyme)</b>	2 ml serum; separate and refrigerate, avoid hemolysis	SS
AST	84450	<b>SGOT (AST)</b>	1 ml serum; avoid hemolysis; minimum 0.5 ml	SS
ALT	84460	<b>SGPT (ALT)</b>	1 ml serum; avoid hemolysis; minimum 0.5 ml	SS
SICKL	85660	<b>Sickle Cell Screen</b>	3 ml fresh EDTA whole blood; minimum 1 ml	L
YSJAAB	86235 x2	<b>Sjogren's Antibodies (SS-A and SS-B)*</b>	1 ml serum; separate and freeze	SS
YENA	86235 x2	<b>SM and RNP Antibodies*</b>	1 ml serum; separate and refrigerate	SS
YSMITA	86235	<b>Smith Antibody*</b>	1 ml serum; separate and refrigerate	SS
NA	84295	<b>Sodium, Serum</b>	1 ml serum; avoid hemolysis; minimum 0.5 ml	SS
TUNA	84300	<b>Sodium, Urine, 24 Hr.</b>	24 hour urine specimen collected without preservative	24U
YIGF1	84305	<b>Somatomedin-C* (IGF-1, Insulin Growth Factor-1)</b>	2 ml serum; allow specimen to clot 30-60, centrifuge, separate serum from cells and refrigerate	SS
	84307	<b>Somatostatin</b>	2 ml plasma; draw specimen in a pre chilled lavender EDTA tube, centrifuge, separate and FREEZE plasma.	L

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
UASG	81003	<b>Specific Gravity</b>	10 ml fresh random urine	U
XSPABS	89325 x2	<b>Sperm Antibodies*</b>	2 ml serum; separate and refrigerate	SS
SEMNPV	89321	<b>Sperm Count Post Vas</b>	Call laboratory for instructions	
	87206	<b>Stain, Acid Fast</b>	Aseptically collected specimen in sterile container	
	80342 80299	<b>Stelazine*</b>	2 ML serum; draw in plain red-top tube; DO NOT USE SERUM SEPARATION TUBE	R
XCALC	82365	<b>Stone Analysis (Calculus)*</b>	Identify source. Entire recovered stone in clean, dry, labeled container	
		<b>Synovial Fluid Tests Available</b>	Culture: 1 ml fluid in plain red top tube Cell Count: 1 ml fluid in lavender top tube Glucose: 1 ml fluid in gray top tube Protein/crystals: 2 ml fluid in red top tube Tests must be ordered individually.	R L GY R
SPNUAG	87450	<b>Strep pneumoniae urinary antigen</b>	Refrigerate urine. CSF also acceptable	U
STRPZ STRPZT	86063 86060	<b>Streptozyme Streptozyme titer (performed if positive)</b>	1 ml serum, separate and refrigerate	SS
XT4T8	86360	<b>T-Helper/Suppressor Panel*</b>	1 lavender whole blood, at room temperature; if a CBC is also requested, a separate lavender top tube must be drawn	L
YFRT3	84481	<b>T3, Free*</b>	1 ml serum; separate and refrigerate	SS
XRT3	84482	<b>T3 Reverse*</b>	1 ml serum; separate and refrigerate	SS
FT4	84439	<b>T4, Free</b>	1 ml serum; separate and refrigerate, minimum 0.5 ml	SS
YACRI	80197	<b>Tacrolimus (Prograf)*</b>	1 ml EDTA whole blood; refrigerate	L
XFLCND	80299	<b>Tambocor*</b>	1 ml serum; separate and refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
XHEXOW	83080 x2	<b>TaySachs*</b>	10-15 ml whole blood in ACD tube, refrigerate, sample must reach the reference lab within 48 hours of collection	ACD
YQFTB	86480	<b>TB QuantiFERON Gold*</b>	Test requires special collection kit, contact laboratory	
XTBG	84442	<b>TBG (Thyroxine-Binding Globulin)*</b>	1 ml serum, separate and refrigerate	SS

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
CARBAM	80156	<b>Tegretol</b>	1 ml serum; state time post dose; DO NOT USE SERUM SEPARATION TUBE; State hours post med	R
XFCARB	80157	<b>Tegretol, Free*</b>	1 ml serum; separate and refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
XTEICH	86329	<b>Teichoic Acid Antibodies*</b>	1 ml serum; separate from cells within 2 hours of collection, refrigerate	SS
YTFBFC	82040 84270 84403	<b>Testosterone, Free and Bioavailable, Female or Child*</b>	2 ml serum; separate and refrigerate	SS
XTESFB	82040 84270 84403	<b>Testosterone, Free and Bioavailable, Male*</b>	3 ml serum; separate and refrigerate	SS
TESTO	84403	<b>Testosterone, Serum</b>	1 ml serum; minimum 0.5 ml	SS
XTTDP	86774 86648	<b>Tetanus Antibodies* Tetanus/Diphtheria Abs</b>	2 ml serum; separate and refrigerate	SS
	80307/ G0479	<b>THC-100 (Marijuana), Qual.*</b>	See Drug Screen Panel. Clinical or Forensic	U
XUTHAL	83018	<b>Thallium, Urine*</b>	24 hour urine collection; refrigerate	24U
THEOPH	80198	<b>Theophylline (Aminophylline)</b>	1 ml serum; minimum 0.5 ml serum; DO NOT USE SERUM SEPARATION TUBE; State hours post med	R
XVITB1	84425	<b>Thiamine*</b>	2 ml whole blood; draw in a lavender EDTA tube, transfer whole blood to an amber screw-capped vial and send FROZEN, PROTECTED FROM LIGHT. <b>CRITICAL FORZEN.</b>	L
XTHIOC	84430	<b>Thiocyanate*</b>	2 ml serum; draw in a plain red-top tube, separate within 2 hours, refrigerate	R
XTHIME	80342	<b>Thioridazine (Mellaril)*</b>	2.0 ml serum; protect from light; DO NOT USE SERUM SEPARATION TUBE	R
XTHTHX	80342/ G0480	<b>Thiothixene (Navane)*</b>	1 ml serum; draw in plain red-top tube, separate from cells with 2 hours of collection, DO NOT USE SERUM SEPARATION TUBE	R
XTHRZN	G0480	<b>Thorazine*</b>	6 ml serum; draw 2 Red Top tubes. DO NOT USE SERUM SEPARATION TUBE; protect from light	R
YTHYGG	86376 86800	<b>Thyroid Antibody Group (Includes Anti-thyroglobulin and Anti-</b>	1 ml serum; separate and refrigerate	SS

TEST CODE	CPT	TEST NAME	SPECIMEN REQUIREMENTS	TUBE CODE
		peroxidase)*		
YTPAA	86376	<b>Thyroid Peroxidase*</b>	1 ml serum; separate and refrigerate	SS
TSH	84443	<b>Thyroid Stimulating Hormone (TSH) (High Sensitivity)</b>	1 ml serum; separate and refrigerate, free from hemolysis	SS
XTSI2	84445	<b>Thyroid Stimulating Immunoglobulins (TSI)*</b>	3 ml serum; separate and refrigerate.	SS
XTSHR	83519	<b>Thyroid Stimulating Hormone (TSH) Receptor Ab*</b>	1 ml serum; separate and refrigerate.	SS
TOBRAM TOBRAT TOBRAP	80200 80200 80200	<b>Tobramycin (Nebcin) Trough Peak</b>	(Hours post med) 1 ml serum; state Trough 1 ml serum; state Peak DO NOT USE SERUM SEPARATION TUBE	R
	80375	<b>Tocainide, (Tonocard)*</b>	1 ml serum; draw in a plain red-top tube, centrifuge and separate from cells. DO NOT USE SERUM SEPARATOR TUBE	R
XVITEA	84446	<b>Tocopherol*</b>	1 ml serum; draw after 12-14 hr fast. No alcohol for 24 hrs prior to draw; separate from cells within 2 hours, send in amber vial, protect from light. <b>CRITICAL FROZEN</b>	SS
XIMIPR	80335/ G0480	<b>Tofranil*</b>	1 ml serum; centrifuge and separate within 2 hours of collection, DO NOT USE SERUM SEPARATION TUBE	SS
	80375	<b>Tonocard*</b>	1 ml serum; draw in a plain red-top tube, centrifuge and separate from cells. DO NOT USE SERUM SEPARATOR TUBE	R
YALCSC	84600	<b>Toxic Alcohol Screen, Serum *</b>	2 ml whole blood; collect one gray-top Potassium Oxalate/Sodium Fluoride tube or one plain red-top tube. Also acceptable: one SST tube. Serum tube (plain red top or SST): Let specimen clot for 30 minutes and centrifuge to separate serum from cells within one hour of collection. Transfer serum to a plastic transport tube, cap immediately and refrigerate. DO NOT USE ALCOHOL SWABS, USE BETADINE SEPP.	GY
TOXOG	86777	<b>Toxoplasma Antibody, IgG</b>	2 ml serum; separate and refrigerate, avoid hemolysis, lipemia and gross bacterial contamination; minimum 1 ml	SS
TOXOM	86778	<b>Toxoplasma Antibody, IgM</b>	2 ml serum; separate and refrigerate, avoid hemolysis, lipemia and gross bacterial contamination; minimum 1 ml	SS

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TRFN	84466	<b>Transferrin</b>	1 ml serum; separate and refrigerate	SS
	80346/ G0480	<b>Tranxene (Clorazepate)* (as Nordiazepam)</b>	2 ml serum; refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
XTHIME	80342	<b>Trazodone*</b>	2.1 ml serum; protect from light; DO NOT USE SERUM SEPARATION TUBE	R
TVPCR	87661	<b>Trichomonas Amplified DNA Probe</b>	Collection Instructions: Vaginal or endocervical in Xpert Swab collection kit. Urine samples in Xpert Urine Specimen Collection kit (transferred within 4 hours)	
XTAD	80337/ G0480	<b>Tricyclic Antidepressant*</b>	2 ml serum; draw in plain red-top tube, separate and refrigerate. DO NOT USE SERUM SEPARATOR TUBE	R
TRIG	84478	<b>Triglycerides</b>	1 ml serum; fasting specimen; minimum 0.5 ml	SS
	80342/ G0480	<b>Trilafon*</b>	2 ml serum; draw in plain red-top tube, separate from cells within 6 hours of collection, refrigerate. NO NOT USE SERUM SEPARATION TUBE.	R
TROP	84484	<b>Troponin-I</b>	Specimen must be received in lab within 3 hrs of collection. Avoid hemolysis	GNL
	82131	<b>Tryptophan</b>	2 ml serum; separate ASAP after clotting; Call lab regarding special diet. <b>CRITICAL FROZEN</b>	SS
TSH	84443	<b>TSH (High Sensitivity)</b>	1 ml serum; separate and refrigerate, free from hemolysis	SS
XTSHR	84238	<b>TSH Receptor Ab*</b>	1 ml serum; separate and refrigerate	SS
	86668 x2	<b>Tularemia Antibody*</b>	1 ml serum; separate from cells within 2 hours of collection, refrigerate, avoid hemolysis	SS
ACETA	G0480	<b>Tylenol</b>	1 ml serum; avoid hemolysis. DO NOT USE SERUM SEPARATION TUBE.	R
XMUCUL	87109	<b>Ureaplasma Culture*</b>	a. Genital sample in special transport media, or b. Respiratory sample (throat swab, sputum) in special transport media. Refrigerate. Indicate source. Call laboratory for transport media	
BUN	84520	<b>Urea Nitrogen (BUN), Blood</b>	1 ml serum; separate and refrigerate, minimum 0.5 ml	SS
URIC	84550	<b>Uric Acid, Serum</b>	1 ml serum; separate and refrigerate, minimum 0.5 ml	SS
TUUA	84560	<b>Uric Acid, Urine, 24 Hour</b>	24 hr urine specimen collected without preservative	24U

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RUUA	84560	<b>Uric Acid, Random Urine</b>	10 ml fresh random urine	U
UACMP	81001	<b>Urinalysis, Complete (with microscopic)</b>	10 ml fresh random urine. Place in urine preservative tube	UP
UARFX	81003	<b>Urinalysis (Chem. Only) Reflex to microscopic if indicated</b>	10 ml fresh random urine. Place in urine preservative tube	UP
	81002	<b>Urobilinogen, Urine</b>	10 ml random urine; protect from light	U
		<b>VAP Cholesterol*</b>	Replaced with Lipoprofile NMR, Particle Analysis (XNMRP)	R
XDIAZP	80346/ G0480	<b>Valium*</b>	2 ml serum; DO NOT USE SERUM SEPARATION TUBE; separate and refrigerate	R
VALPRO	80164	<b>Valproic Acid (Depakene)</b>	1 ml serum; minimum 0.5 ml; DO NOT USE SERUM SEPARATION TUBE; State hours post med	R
XFRVAL	80165	<b>Valproic Acid (Depakene), Free*</b>	1 ml serum; separate and refrigerate. DO NOT USE SERUM SEPARATION TUBE	R
VANCO	80202	<b>Vancomycin</b>	1 ml serum; specify Peak	R
VANCOP	80202	<b>Peak</b>	1 ml serum; specify Trough	
VANCOT	80202	<b>Trough</b>	DO NOT USE SERUM SEPARATION TUBE	
XVMA	84585 82570	<b>Vanillylmandelic Acid* (VMA)</b>	24 hr urine specimen collected with 25 ml 6N HCl	24U
VARIGG	86787	<b>Varicella-Zoster Antibody IgG, (Immune Status)</b>	1 ml serum; separate and refrigerate	SS
XVARM	86787	<b>Varicella-Zoster Antibody, IgM*</b>	1 ml serum; separate ASAP and refrigerate	SS
XVIPSP	84586	<b>Vasoactive Intestinal Polypeptide (VIP)*</b>	Call lab for special instructions; fasting patient; <b>CRITICAL FROZEN</b>	SS
RPR	86592	<b>VDRL</b>	1 ml serum; separate and refrigerate	SS
XVRAPA	80299	<b>Verapamil (Isoptin)*</b>	<b>Serum:</b> 1 Red Top: draw 1-2 hours after last dose (peak value). Indicate <b>SERUM</b> on request form and label specimen accordingly.  <b>Plasma:</b> Green Top—heparin tube: draw 1-2 hours after last dose (peak value). Indicate <b>PLASMA</b> on request form DO NOT USE SERUM SEPARATION TUBE	R
XVISCO	85810	<b>Viscosity*</b>	3 ml serum; separate and refrigerate	SS

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XVITA	84590	<b>Vitamin A (Retinol)*</b>	1 ml <b>FROZEN</b> serum; draw in plain red-top tube, fasting patient; free from alcohol for 24 hrs. Protect from light – place in Amber transport tube. <b>CRITICAL FROZEN</b>	R
XVITB1	84425	<b>Vitamin B-1 (Thiamine)* Whole Blood</b>	2 ml whole blood; draw in a lavender EDTA tube, transfer whole blood to an amber screw-capped vial and send FROZEN, PROTECTED FROM LIGHT. <b>CRITICAL FROZEN.</b>	L
XVB2	84252	<b>Vitamin B2 (Riboflavin)*</b>	2 ml plasma; draw in a lavender EDTA tube, separate cells from plasma and send plasma FROZEN in amber plastic vial. <b>FROZEN, PROTECT FROM LIGHT</b>	L
XNIACN	84591	<b>Vitamin B3 (Niacin)*</b>	1 ml serum; draw specimen in plain red-top tube, centrifuge within 2 hours of collection, refrigerate	SS
XVB5	84591	<b>Vitamin B5 (Pantothenic Acid)*</b>	2 ml serum; draw in a plain red-top tube, separate serum from cells and send <b>FROZEN</b> serum	SS
XVITB6	84207	<b>Vitamin B-6* (Pyridoxal Phosphate) (Pyridoxine)</b>	2 ml plasma; separate and freeze within 6 hours of collection in amber transport tubes (1 ml each) to protect from light. <b>CRITICAL FROZEN</b>	L
B12	82607	<b>Vitamin B-12</b>	1 ml serum; separate and refrigerate, avoid hemolysis	SS
XVITC	82180	<b>Vitamin C (Ascorbic Acid)*</b>	Call the lab for special instructions	GN
YD20H	82652	<b>Vitamin D, 1, 25-Dihydroxy*</b>	2 ml serum; separate and refrigerate. Specify Vitamin D, 1, 25-Dihydroxy	SS
VITD	82306	<b>Vitamin D, 25-Hydroxy</b>	2 ml serum; separate and refrigerate	SS
XVITEA	84446	<b>Vitamin E* (Alpha and Gamma Tocopherol)</b>	1 ml serum; draw after 12-14 hr fast. No alcohol for 24 hrs prior to draw; separate from cells within 2 hours, send in amber vial, protect from light. <b>CRITICAL FROZEN</b>	SS
XVITK	84597	<b>Vitamin K*</b>	1 ml serum; remove from cells within 1 hour of collection, send <b>FROZEN, PROTECT FROM LIGHT</b>	SS
	84585 82570	<b>VMA*</b>	24 hr urine specimen collected with 25 ml 6N HCl	24U
XVWPAN	85240 85245 85246	<b>Von Willebrand Panel (Includes Factor VIII AG, Ristocetin Cofactor and Factor VIII Activity)*</b>	10 ml citrated plasma. <b>FREEZE IMMEDIATELY in 3 aliquots.</b>	2B
XSBUPR	80338/	<b>Bupropion* (Wellbutrin)</b>	2 ml <b>FROZEN</b> serum; DO NOT USE SERUM	R

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	G0480		SEPARATION TUBE. Freeze serum within 2 hours	
WBC	85048	<b>White Blood Cell Count (WBC)</b>	3 ml EDTA whole blood; minimum 2 ml or one full (0.5-0.7 ml) lavender microtainer	L
XZRNTN	80168	<b>Zarontin*</b>	1 ml serum; DO NOT USE SERUM SEPARATION TUBE, refrigerate	R
XZNRBC	84630	<b>Zinc, RBC*</b>	5 ml whole blood, draw in dark blue EDTA tube, centrifuge and separate cells from plasma within 2 hours of collection. Send cells and plasma	DB
XZINC	84630	<b>Zinc, Plasma*</b>	2 ml serum; collect in royal blue top tube (without EDTA or preservatives); allow to clot at room temperature for 30 min., centrifuge for 10 min and separate serum from cells immediately. Avoid hemolysis.	DB
XRUZNC	84630	<b>Zinc, Urine*</b>	10 ml random or 24 hour urine specimen collected; refrigerate. Protect from light – transfer to amber tubes	24U/U



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