

17-OH Progesterone**	GO	Benzodiazepines	U	Culture and Sensitivity		Histology - Extra Large (>15cm)**	OTH	Oncostands Essential (Tissue) Combined*	OTH	T-Uptake	GO
Acid Fast Bacilli (AFB Smear)	OTH	B-HCG (Tumor Marker)	GO	• Blood with ARD	OTH	Histology - Large (7-15cm)**	OTH	Oncostands Essential (Tissue) DNA Only*	OTH	Uric Acid, 24-hr Urine	U 6
Acid Phosphatase (ACP)	GO	Bicarbonate (HCO3)	GO 2 13	• Body Fluid	OTH	Histology - Medium (5-7cm)**	OTH	Oncostands Essential (Tissue) RNA Only*	OTH	Uric Acid, Random Urine	U
Adrenocorticotropic Hormone (ACTH)**	P 9	Bilirubin, Direct	GO 3	• Endotracheal Aspirate (ETA)	OTH	Histology - Small (0-5cm)**	OTH	Oncostands Extended (Tissue)*	OTH	Uric Acid, Synovial Fluid**	OTH
Albumin	GO	Bilirubin, Total	GO 3	• Genital	OTH	HIV Ag/Ab 1&2	P	Opiates	U 14	Urinalysis	U
Alcohol, Blood*	G GO	Blood typing (ABORh)	P	• Group B Streptococcus (GBS)	OTH	HIV RNA Quantitative	P	Osmolality, Plasma**	G	Urine Red Cell Morphology	U 12
Alcohol, Urine*	U	Blood Urea Nitrogen (BUN)	GO	• Others	OTH	HLA B27**	LY 8	Osmolality, Serum**	GO	Valproic Acid**	GO
Aldosterone (RIA)*	GO P 15	Blood Uric Acid (BUA)	GO	• Respiratory (TA,BW,BAL)	OTH	Homocysteine	GO	Osmolality, Urine	U	Vancocycin**	GO
Alkaline Phosphatase (ALP)	GO	BNP	GO 4	• Sputum	OTH	HPV DNA (with Genotype 16 & 18) and ThinPrep 1*	OTH	p-ANCA**	GO	Vantage Basic*	OTH
Allergy Tests		BRCANext - Expanded*	OTH	• Stool	OTH	HPV DNA with Genotype 16 & 18 and Pap Smear**	OTH	Pap smear, Conventional	OTH	Vantage Plus*	OTH
• D. Farinae (House Dust Mite)*	GO	BRCANext - Expanded + RNA Insight*	OTH	• Swab	OTH	HPV DNA with Genotype 16 & 18*	OTH	Pap Smear, Liquid-based**	OTH	Varicella Zoster IgG	GO
D. Pteronyssinus (House Dust Mite)*	GO	BRCANext + RNA Insight*	OTH	• Tissue	OTH	HSV 1 IgG/IgM**	GO	Peripheral Blood Smear	P	Varicella Zoster IgM	GO
• Acacia*	GO	BRCANext*	OTH	• Urine	OTH	HSV 1&2 PCR**	OTH	Phencyclidine	U 14	Vasopressin / ADH**	GO
• Almond*	GO	Breast Tumour Markers (3 markers) - ER/PR Her2 neu*	OTH	• Wound	OTH	HSV 2 IgG/IgM**	GO	Phosphorus	GO	Vitamin B12**	GO
• Cacao*	GO	Brucella Agglutination Test*	GO	• Culture/Surveillance - Environment	OTH	HTLV 1 & 2 Antibody**	GO	Phosphorus, Random Urine	U	Vitamin C**	GO
• Cashew Nut*	GO	C. trachomatis/ N.gonorrhoea PCR (CT/NG)	U OTH	CYFRA 21-1	GO	Human papillomavirus (HPV) DNA**	OTH	Plasma Renin Activity**	P	Vitamin D	GO
• Cat Dander	GO	CA 125	GO	Cystatin C	GO	iFOBT	OTH	Potassium (K)	GO	Widal Test	GO
• Chicken Meat	GO	CA 15-3	GO	Cytocell/Cell Block**	OTH	IgA**	GO	Potassium, 24-hr Urine	U 6	Zinc, Blood*	RB
• Common Pigweed	GO	CA 19-9	GO	D-Dimer	LB 4,7 13	IgE (Total)	GO	Potassium, Random Urine	U	Zinc, Urine*	U
• Common Ragweed*	GO	CA 72-4	GO	Dengue IgG/IgM	GO	IGF1*	GO	Pregnancy Test, Urine	U		
• Cow's Milk	GO	Cadmium, Blood*	RB	Dengue NS1 Antigen	GO	IgG**	GO	Procalcitonin (PCT)	GO		
• Crab	GO	Cadmium, Urine*	U	DHEAS	GO	IgM**	GO	Progesterone	GO		
• Dog Dander	GO	Calcitonin**	OTH	Digoxin**	GO	Immunodeficiency 1 (T cell)**	P G 8	Prolactin	GO		
• Egg White	GO	Calcium	GO	Dihydrotestosterone**	GO	Immunodeficiency 3 (T cell and B cell)**	P G 8	Propoxyphene	U 14		
• Egg Yolk*	GO	Calcium, 24-hr Urine	U 6	DNA Probe Screen for Vaginitis (Affirm VPIII)*	OTH	Insulin	GO	Protein C**	LB 13		
• Fish	GO	Calcium, Random Urine	U	India Ink Cryptococcus	OTH	Ionized Calcium	GO 2,5	Protein S**	LB 13		
• Food Mixes	GO	c-ANCA**	GO	DRVT**	LB 13	Iron	GO	Protein, Random Urine	U		
• FX5	GO	CancerNext - Expanded + RNA Insight*	OTH	EBV IgG	GO	JAK-2 Mutation**	P 8	Protein/Creatinine, 24-hr Urine	U 6		
• Grass Mixes	GO	CancerNext - Expanded*	OTH	EBV IgM	GO	Ketone, Blood*	GO	Prothrombin Time (PT)	LB 4,7 13		
• H. brasiliensis Latex*	GO	CancerNext + RNA Insight*	OTH	Ecstasy	U 14	Ketone, Urine	U	PSA, Free	GO		
• HDM Mixes	GO	CancerNext*	OTH	ER-PR HER2 neu**	OTH	KOH	OTH	PSA, Total	GO		
• Mold Mix	GO	Carbon Dioxide (CO2)	GO 2 13	ER-PR**	OTH	Lactate	GO	PTH (Intact)	GO		
• Oat*	GO	Carcinoembryonic Antigen (CEA)	GO	Erythropoietin (EPO)**	GO	Lactate Dehydrogenase (LDH)	GO	Rapid Plasma Reagin (RPR), Qualitative	GO		
• Orange*	GO	CardioNext*	OTH	ESR	BL P	LDH, CSF	OTH	Rapid Plasma Reagin (RPR), Quantitative	GO		
• Peanut	GO	CC3	GO	Estradiol (E2)	GO	LDH, Peritoneal Fluid	OTH	Reticulocyte Count	P		
• Pet Mixes	GO	CC4**	GO	ExomeNext - Proband*	OTH	LDH, Pleural Fluid	OTH	Rheumatoid Factor (RF)	GO		
• Phadiatop	GO	CD20**	OTH	ExomeNext - Trio*	OTH	LDL, Direct*	GO	Rotavirus Antigen Detection*	OTH		
• Pork*	GO	CD3**	OTH	Fecalalysis	OTH	Lead, Blood*	RB	Rubella IgG	GO		
• Salmon*	GO	CD4 Count	P 13	Ferritin	GO	Lead, Urine*	U	Rubella IgM	GO		
• Shrimp	GO	Ceruloplasmin**	GO	FHNNext*	OTH	Leptospira IgG/IgM**	GO	Rubeola IgG	GO		
• Soybean	GO	Chikungunya IgM**	GO	Fibrinogen**	LB 4,7 13	Lipase	GO	Salmonella IgG/IgM	GO		
• Squid	GO	Chloride	GO	Fluid Cell Count and Differential Count	OTH	Lipid Profile	GO 1	SARS CoV2 IgG	GO		
• Tomato*	GO	Chloride, 24-hr Urine	U 6	FNAB**	OTH	LpA	GO	SARS CoV2 IgG II	GO		
• Tuna*	GO	Chloride, Random Urine	U	Folate	GO	Lupus Anticoagulant**	LB 13	SARS CoV2 IgM	GO		
• Wheat	GO	Cholesterol, Total	GO	Food Intolerance Test (Food Print)	GO	Lupus Basic Panel**	GO	SCC Ag	GO		
ALP (Fractionation) Heat Stable*	GO	Cholinesterase, RBC*	P	Free Androgen Index*	GO	Luteinizing Hormone (LH)	GO	Selenium, Blood*	RB		
Alpha Feto Protein (AFP)	GO	Cholinesterase, Serum**	P	Fructosamine	GO	Lymphocyte Antibody Test (LAT)**	R 7	Selenium, Urine*	U		
Alpha-1 Anti-trypsin**	GO	Chromium, Blood*	RB	FSH	GO	Magnesium, Blood	GO	SHBG	GO		
ALT (SGPT)	GO	Chromium, Urine*	U	FT3	GO	Magnesium, Urine	U 6	Sodium (Na)	GO		
Aluminum, Blood*	RB	CK Total	GO	FT4	GO	Malarial Smear	P	Sodium, 24-hr Urine	U 6		
Aluminum, Urine*	U	CK-MB	GO	G6PD, Adults**	P	Manganese, Blood*	RB	Sodium, Random Urine	U		
ANAIIFT	GO	CK-MM	GO	G6PD, Newborn**	P	Manganese, Urine*	U	Stool Concentration Technique	OTH		
ANAQL	GO	CMV IgG	GO	Gastric Biopsy H. pylori**	OTH	Mastocheck*	OTH	Syphilis Ab	GO		
Amylase	GO	CMV IgM	GO	GGT	GO	Mercury, Blood*	RB	Tacrolimus	P 13		
Amylase, Random Urine	U	Cobalt, Urine*	U	Glucose Challenge Test (GCT)	GR GO	Mercury, Urine*	U	Testosterone (Total)	GO		
Anti-Cardiolipin IgG/IgM**	GO	Cocaine	U 14	Glucose Tolerance Test (50g, 75g, 100g)	GR GO 1	Metanephrine, Plasma*	P 16	Testosterone, Free	GO		
Anti-CCP	GO	Complete Blood Count (CBC)	P	Glucose, 24-hr Urine	U	Metanephrine, Urine**	U	Thallium, Blood*	RB		
Anti-DsDNA**	GO	Coomb's Test, Direct**	R P	Glucose, 2-Hour Post Prandial	GR GO	Meth/THC	U 14	Thallium, Urine*	U		
Antigen KI67/MKI67**	OTH	Coomb's Test, Indirect**	R P	Glucose, CSF	OTH	Methadone	U 14	Thyroglobulin (TG)	GO		
Anti-HAV IgG	GO	Copper, Blood*	RB	Glucose, Fasting (FBS)	GR GO 1	Methaqualone	U 14	Thyroid Stimulating Hormone (TSH)	GO		
Anti-HAV IgM	GO	Copper, Urine*	U	Glucose, Peritoneal Fluid	OTH	Micral Test, Urine	U	TORCH Screen**	GO		
Anti-HBc IgM	GO	Cortisol	GO	Glucose, Pleural Fluid	OTH	Microalbumin/ Creatinine Ratio, Random Urine	U	Total Iron Binding Capacity (TIBC)	GO		
Anti-HBc Total	GO	Cotinine	U 14	Glucose, Random Urine	GR GO	Microalbumin/ Creatinine, 24-hr Urine	U 6	Total Protein	GO		
Anti-HBe	GO	COVID 19 Antigen	OTH	Glucose, Random Urine	U	Monospot (Infectious Mononucleosis)*	GO	Total Protein, Body Fluid	OTH		
Anti-HBs	GO	COVID 19 Antigen and Flu AB	OTH	Glucose, Synovial Fluid**	OTH	Morphine	U 14	Total Protein, Peritoneal Fluid	OTH		
Anti-HCV	GO	COVID 19 RT PCR	OTH	Gram Stain	OTH	MTB Gene Expert (Other Body Fluids)**	OTH	Total Protein, Pleural Fluid	OTH		
Anti-JO1 Antibody**	GO	C-Peptide	GO	Growth Hormone**	GO 1	MTB PCR (Sputum)	OTH	Toxoplasma Antibody IgG	GO		
Anti-Liver Kidney Microsomal (Anti-LKM)**	GO	Creatinine (with eGFR)	GO	H. pylori Antibody	GO	Mumps IgG	GO	Toxoplasma Antibody IgM	GO		
Anti-Mitochondrial Antibody (AMA)**	GO	Creatinine Clearance	GO U	H. pylori Antigen, Stool	OTH	Mumps IgM	GO	TPAG Ratio	GO		
Anti-Mullerian Hormone (AMH)	GO	Creatinine, 24-hr Urine	U 6	H. pylori IgG	GO	Mycoplasma Antibody**	GO	Transferrin	GO		
Anti-RNP**	GO	Creatinine, Random Urine	U	H. pylori IgM	GO	Mycoplasma IgM Antibody**	GO	Treponema pallidum Hemagglutination (TPHA)	GO		
Anti-Smith**	GO	CRP (hsCRP)	GO	Haptoglobin	GO	Nickel, 24h Urine*	U 6	Treponema pallidum Particle Agglutination Assay (TPPA) Qualitative**	GO		
Anti-Smooth Muscle**	GO	CRP (Qualitative)	GO	HbA1c	P	Nickel, Blood*	RB	Treponema pallidum Particle Agglutination Assay (TPPA) Quantitative**	GO		
Anti-SSA (Ro)**	GO	Cryptococcal Antigen (CALAS) Qualitative**	GO	HBeAg	GO	Nickel, Urine*	U	Triglycerides	GO 1		
Anti-SSB (La)**	GO	Cryptococcal Antigen (CALAS) Quantitative**	GO	HBSAg	GO	NT-proBNP	GO	Troponin I/ hs-Trop I	GO 13		
Anti-Streptolysin O (ASOT)	GO	Culture - Fungi	OTH	HBV DNA	P	Oncostands Comprehensive (Tissue)*	OTH	Troponin T**	GO 13		
Anti-Thrombin III**	LB 13	Culture - Fungal, Mycoplasma and Ureaplasma*	OTH	HCV RNA	P	Oncostands Comprehensive Fusion*	OTH	TT3	GO		
Anti-Thyroglobulin	GO	Culture and Sensitivity		HDL	GO 1			TT4	GO		
APAS**	GO LB 1,13	• Abscess	OTH 10	HE4	GO			tt-muconic (biomarker for Benzene Exposure)*	U		
ApoA1	GO 1	• Blood	OTH	Hemoglobin (Hb) - H Inclusion Bodies*	P						
ApoB	GO 1	• Blood with ARD	OTH	Hemoglobin Electrophoresis*	P						
APTT	LB 4,7 13										
Arsenic, Blood*	RB										
Arsenic, Urine*	U										
AST (SGOT)	GO										
Barbiturates	U 14										
Barr Bodies Detection*	OTH										

CLASSIFICATIONS

- BIOCHEMISTRY (BLOOD)
- BIOCHEMISTRY (URINE)
- CANCER MARKERS
- DRUG TEST
- GENETICS
- HEMATOLOGY
- HISTOLOGY AND CYTOLOGY
- HORMONES
- IMMUNOLOGY AND SEROLOGY
- INDUSTRIAL TOXICOLOGY
- MICROBIOLOGY
- MICROSCOPY AND OTHER BODY FLUIDS
- MOLECULAR

SPECIMEN CONTAINER

- BL - BLACK
- GO - GOLD
- GR - GREY
- G - GREEN
- LB - LIGHT BLUE
- OTH - OTHERS
- P - PURPLE
- R - RED
- RB - ROYAL BLUE
- U - URINE
- THICK BORDER - BOTH SPECIMEN REQUIRED
- LY - LIGHT YELLOW (ACD)

SPECIMEN PREPARATION

- Fasting required
- Closed-System
- Avoid light exposure
- Use plastic tube only
- Spin immediately
- Refrigerated
- Aliquot immediately, also send pilot tube
- Transport at room temperature
- Pre-chilled Tube
- Remove exudates prior collection
- No alcohol intake prior collection
- Strictly use fresh specimen
- With timing protocol (call SGD lab)
- For SGD direct patient and/or remote collection
- Do not centrifuge
- Refrigerate and allow RBC to settle

NOTES

- * SENT TO OUR INTERNATIONAL FACILITIES
- ** SENT TO OUR LOCAL PARTNERS

OR CALL LAB FOR SPECIFIC INSTRUCTIONS

ORDER OF DRAW

APPROPRIATE USE OF VACUTAINER TUBES

- Light Blue**
 - Tube type - Sodium Citrate, 3.2% (fill samples up to the mark)
 - Laboratory Use - Coagulation Test
- Red**
 - Tube type - Clot Activator: Plain
 - Laboratory Use - Lipid, HIV, Virology, Antibody Identification, Cold Agglutinin
- Gold**
 - Tube type - Clot Activator: Plain with GEL, SST II
 - Laboratory Use - Biochemical, Virology, Immunology, Protein Electrophoresis
- Royal Blue (Plain)**
 - Tube type - Trace Element with Clot Activator
 - Laboratory Use - Aluminum, Copper, Selenium, Zinc, Manganese, Nickel, Cobalt, Chromium, Thallium
- Green**
 - Tube type - Lithium Heparin
 - Laboratory Use - Troponin T, Stat K
- Purple**
 - Tube type - K₂EDTA
 - Laboratory Use - FBC, HbA1c, Direct Antiglobulin, Antibody Identification, Hb Electrophoresis
- Grey**
 - Tube type - Sodium Fluoride
 - Laboratory Use - Glucose, GTT, Lactate Acid
- Light Yellow**
 - Tube type - Yellow ACD (Acid Citrate Dextrose)
 - Laboratory Use - For whole blood determination including flow cytometry and tissue typing assays.

Important mixing guidelines:
Most tubes contain an additive. Regardless of the additive type, all tubes should be gently inverted to ensure thorough mixing of the blood with the additive.

Proper Tube Inversion:
Tubes with anticoagulants such as EDTA, heparin etc., must be mixed to ensure that the specimen does not clot. For example insufficient mixing could lead to platelet clumping in EDTA tubes.

Tubes with a clot activator such as Serum Tubes must also be mixed or the specimen may not clot completely in the recommended time.

