



Phlebotomy & Specimen Processing Aid

Panel Name	Tube Type	Min. Vol.	Spun Y/N	Pour Y/N	Storage Temp
Basic Metabolic Panel	GOLD	1 ml	Y	Y	Refrigerated
Comprehensive Metabolic Panel	GOLD	1 ml	Y	Y	Refrigerated, < 24 hr.
Electrolyte Panel	GOLD	1 ml	Y	Y	Refrigerated
Hepatic Function Panel	GOLD	1 ml	Y	Y	Refrigerated, < 24 hr.
Lipid Panel	GOLD	1 ml	Y	Y	Refrigerated
Prenatal Profile w/o HIV	1 GOLD & 3 LAVENDER	1 ml ½ Full	Y-GOLD ONLY N-LAVENDER	Y-GOLD N-LAVENDER	Refrigerated Refrigerated
Renal Profile	GOLD	1 ml	Y	Y	Refrigerated
Hematology/Coagulation	Tube Type	Min. Vol.	Spun Y/N	Pour Y/N	Storage Temp
CBC with Differential	LAVENDER	½ Full	N	N	Refrigerated
CBC without Differential	LAVENDER	½ Full	N	N	Refrigerated
D-Dimer	BLUE	Full	Y	PFP-see below	Frozen
Fibrinogen	BLUE	Full	Y	PFP-see below	Frozen
Hematocrit	LAVENDER	½ Full	N	N	Refrigerated
Hemoglobin	LAVENDER	½ Full	N	N	Refrigerated
Heparin Anti-Xa, Unfractionated	BLUE	Full	Y	PFP-see below	Refrigerated
Morphology	LAVENDER	½ Full	N	N	Refrigerated
Platelet Count	LAVENDER	½ Full	N	N	Refrigerated
Platelet Function Analysis	2 BLUE (21 gauge needle only)	Full	N	**Call Lab for instructions	Room Temp
Prothrombin Time	BLUE	Full	Y	PFP-see below	Frozen
Partial Thromboplastic Time (PTT)	BLUE	Full	Y	PFP-see below	Frozen
Reticulocyte Count	LAVENDER	½ Full	N	N	Refrigerated
Sedimentation Rate	LAVENDER	½ Full	N	N	Refrigerated
WBC	LAVENDER	½ Full	N	N	Refrigerated
WBC and Differential	LAVENDER	½ Full	N	N	Refrigerated
Urinalysis	Tube Type	Min. Vol.	Spun Y/N	Pour Y/N	Storage Temp
Pregnancy Test	Urine container	1 ml	N	N	Refrigerated
Urinalysis w/ reflex to Microscopic	Urine container	8 ml	N	N	Refrigerated < 8 hr.
Urinalysis, reflex to Micro, reflex to UC	Urine Container	10 ml	N	N	Sterile, Refrigerated < 8 hr.
Microbiology	Container	Source			Storage Temp
C. Difficile PCR	Clean container	Fresh stool, unpreserved/ C&S OK **Only performed on unformed stool.			Refrigerated
Chlam/GC	Aptima Collection Kits	Endocervical, urethral, throat, rectal, dirty urine Use collection kit dependent on Source.			Room Temperature
Culture, Aerobic Routine	Aerobic swab/Sterile container				Refrigerated, < 24 hrs.
Culture, Aerobic/Anaerobic	Aerobic swab / Anaerobic swab/Sterile container				Refrigerated, < 24 hrs.
Culture, Blood	**Call Lab for instructions/collection tubes				Refrigerated, < 24 hrs.
Culture, Ear/Eye	Aerobic swab	Ear or eye			Refrigerated, < 24 hrs.
Culture, Fungus	Sterile container	Hair, nails, skin, tissue etc.			Refrigerated, < 24 hrs.
Culture, Genital	Aerobic swab	Vaginal, Cervix etc.			Refrigerated, < 24 hrs.
Culture, Sputum	Sterile container	Produced sputum			Refrigerated, < 24 hrs.
Culture, Stool	Clean container	Fresh stool, unpreserved/ C&S OK			Refrigerated, < 24 hrs.
Culture, Urine	Sterile container	Clean catch, Cath. Urine			Refrigerated, < 24 hrs.
Giardia/Cryptosporidium	Clean Container	Fresh stool, unpreserved/ C&S OK			Refrigerated
Gram Stain	Aerobic Swab/Sterile container	*Extra swab if culture is ordered in addition			Refrigerated, < 24 hrs.
H. Pylori Ag, Stool	Clean Container	Fresh stool, unpreserved			Refrigerated
Influenza A & B by Nucleic Acid	Flock swab in VTM	Nasopharyngeal, R & L			Refrigerated
MRSA Screen, (Nares only)	2 Aerobic swabs	Nares, R & L			Refrigerated, < 24 hrs.
Norovirus	Clean Container	Fresh stool, unformed, unpreserved			Refrigerated
Ova and Parasite	Clean Container/Para Pak	>2 grams			Fresh stool <3 hr. Para Pak preferred
RSV by Nucleic Acid	Flock swab in VTM	Nasopharyngeal, R & L			Refrigerated
Grp B Strep Screen	Aerobic swab	Vaginal/Rectal collection			Refrigerated, < 24 hr.







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IMMUNO HEMATOLOGY	Tube Type	Min. Vol.	Spun Y/N	Pour Y/N	Storage Temp
ABO/Rh	LAVENDER	½ Full	N	N	Refrigerated
Antibody Screen	LAVENDER	½ Full	N	N	Refrigerated
Antibody ID	2 LAVENDER	½ Full	N	N	Refrigerated
Pre-Op Type/Screen	2 LAVENDER	½ Full	N	N	Refrigerated
OB Antibody Screen	LAVENDER	½ Full	N	N	Refrigerated
DAT (Direct Anti-globulin Test)	LAVENDER	½ Full	N	N	Refrigerated
FMH Screen (Fetal Maternal Hemorrhage)	LAVENDER	½ Full	N	N	Refrigerated
ALPHA LISTING	Tube Type	Min. Vol.	Spun Y/N	Pour Y/N	Storage Temp
Acetaminophen	GOLD	1 ml	Y	Y	Refrigerated
Albumin	GOLD	1 ml	Y	Y	Refrigerated
Alkaline Phosphatase	GOLD	1 ml	Y	Y	Refrigerated
ALT/SGPT	GOLD	1 ml	Y	Y	Refrigerated
Ammonia	GREEN*Place on Ice	Full	Y	Y	Frozen
Amylase	GOLD	1 ml	Y	Y	Refrigerated
AST/SGOT	GOLD	1 ml	Y	Y	Refrigerated
Bilirubin, Direct	GOLD	1 ml	Y	Y	Refrigerated, < 24 hr.
Bilirubin, Total	GOLD	1 ml	Y	Y	Refrigerated, < 24 hr.
Beta HCG, Quantitative	GOLD	1 ml	Y	Y	Refrigerated
BNP B-Type Natriuretic Peptide	LAVENDER	½ Full	Y	Y	Refrigerated, < 24 hr.
BUN	GOLD	1 ml	Y	Y	Refrigerated
CA 15-3	GOLD	1 ml	Y	Y	Refrigerated
CA 125	GOLD	1 ml	Y	Y	Refrigerated
Calcium	GOLD	1 ml	Y	Y	Refrigerated
Calcium, Ionized	GOLD	Full	Y	Y	Refrigerated
Carbamazepine (Tegretol)	GOLD	1 ml	Y	Y	Refrigerated
CEA	GOLD	1 ml	Y	Y	Refrigerated
Chloride	GOLD	1 ml	Y	Y	Refrigerated
Cholesterol, Total	GOLD	1 ml	Y	Y	Refrigerated
Cholesterol, Direct LDL	GOLD	1 ml	Y	Y	Refrigerated
Cholesterol, HDL	GOLD	1 ml	Y	N	Refrigerated
Creatinine Kinase (CPK)	GOLD	1 ml	Y	Y	Refrigerated
Cortisol, Serum	GOLD	1 ml	Y	Y	Refrigerated
Covid -19/Sars-COV2 Ab, IGG	GOLD	1 ml	Y	Y	Refrigerated
CO2	GOLD	1 ml	Y	Y	Refrigerated
Creatinine Clearance, Serum and 24 hr. Urine collection	GOLD URINE	1 ml 1 ml	Y N	Y Y-Include duration/volume	Refrigerated Refrigerated
Creatinine	GOLD	1 ml	Y	Y	Refrigerated
C-Reactive Protein (HS CRP)	GOLD	1 ml	Y	Y	Refrigerated
C-Reactive Protein (NS CRP)	GOLD	1 ml	Y	Y	Refrigerated
DHEA-S	GOLD	1 ml	Y	Y	Refrigerated
Digoxin	GOLD	1 ml	Y	Y	Refrigerated, < 48 hr.
Dilantin (Phenytoin)	GOLD	1 ml	Y	N	Refrigerated
Estradiol	GOLD	1 ml	Y	Y	Refrigerated
Ferritin	GOLD	1 ml	Y	Y	Refrigerated
Fetal Fibronectin	FFN collection kit		**Call Lab for instructions		Refrigerated
Folate	GOLD	1 ml	Y	Y	Refrigerated
FSH	GOLD	1 ml	Y	Y	Refrigerated
Gentamicin	GOLD	1 ml	Y	N	Refrigerated
Glucose	GOLD	1 ml	Y	N	Refrigerated
Hepatitis B Surface Antigen	GOLD	1 ml	Y	N	Refrigerated
Hepatitis B Surface Antibody	GOLD	1 ml	Y	N	Refrigerated
Hepatitis C Antibody	GOLD	1 mL	Y	N	Refrigerated
Hemoglobin (A1C)	LAVENDER	½ Full	N	N	Refrigerated
HIV Ag/Ab Diagnostic	LAVENDER	½ Full	Y	Y	Refrigerated
HIV Ag/Ab Screen	LAVENDER	½ Full	Y	Y	Refrigerated
Insulin	GOLD	1 ml	Y	Y	Refrigerated, <24 hr.
Iron, Total	GOLD	1 ml	Y	N	Refrigerated
LDH	GOLD	1 ml	Y	N	Refrigerated
LEAD	LAVENDER, Microtainer	½ full	N	N-*Capillary collection	Room Temp

ALPHA LISTING	Tube Type	Min. Vol.	Spun Y/N	Pour Y/N	Storage Temp
LH (Luteinizing Hormone)	GOLD	1 ml	Y	Y	Refrigerated
Lithium	GOLD	1 ml	Y	N	Refrigerated
Lipase	GOLD	1 ml	Y	N	Refrigerated
Lyme Disease IgG/IgM	GOLD	1 ml	Y	N	Refrigerated
Magnesium	GOLD	1 ml	Y	N	Refrigerated
Microalbumin, Urine, Random	Urine container	1 ml	N	Y	Refrigerated
Microalbumin, Urine, Timed	Urine container	1 ml	N	Y-Include duration/volume	Refrigerated
Mumps, IgG	GOLD	1 ml	Y	N	Refrigerated
Mono Screen	GOLD	1 ml	Y	N	Refrigerated
Phosphorus	GOLD	1 ml	Y	N	Refrigerated
Potassium	GOLD	1 ml	Y	N	Refrigerated
Prealbumin	GOLD	1 ml	Y	N	Refrigerated
Procalcitonin	GOLD	1 ml	Y	N	Refrigerated
Progesterone	GOLD	1 ml	Y	N	Refrigerated
Prolactin	GOLD	1 ml	Y	N	Refrigerated
Protein, 24 hr. Urine	Urine container	1 ml	N	Y-Include duration/volume	Refrigerated
Protein, Total	GOLD	1 ml	Y	N	Refrigerated
PSA, Diagnostic (Total)	GOLD	1 ml	Y	Y	Refrigerated, < 24 hr.
PSA, Screening (Total)	GOLD	1 ml	Y	Y	Refrigerated, < 24 hr.
PSA, Total and Free	GOLD	1 ml	Y	Y	Refrigerated, < 24 hr.
PTH	GOLD	1 ml	Y	Y	Refrigerated, < 48 hr.
RA (Rheumatoid Factor)	GOLD	1 ml	Y	N	Refrigerated
Rubella	GOLD	1 ml	Y	Y	Refrigerated
Salicylate	GOLD	1 ml	Y	Y	Refrigerated
Sodium	GOLD	1 ml	Y	Y	Refrigerated
Syphilis Ab Screen,(Treponemal IgG/IgM)	GOLD	1 ml	Y	Y	Refrigerated
T3 Free	GOLD	1 ml	Y	Y	Refrigerated
T4 Free	GOLD	1 ml	Y	Y	Refrigerated
TIBC (Iron Binding Capacity)	GOLD	1 ml	Y	Y	Refrigerated
TSH	GOLD	1 ml	Y	Y	Refrigerated
Testosterone, Total	GOLD	1 ml	Y	Y	Refrigerated
Triglycerides	GOLD	1 ml	Y	Y	Refrigerated
Troponin I	GREEN	½ Full	Y	Y	Refrigerated
Uric Acid	GOLD	1 ml	Y	Y	Refrigerated
Urine Drug Screen (Not Legal)	Urine container	1 ml	N	N	Refrigerated
Valproic Acid (Depakane)	GOLD	1 ml	Y	Y	Refrigerated
Vancomycin	GOLD	1 ml	Y	Y	Refrigerated
Vitamin B12	GOLD	1 ml	Y	Y	Refrigerated
Vitamin D-25 Hydroxy D2 & D3	GOLD	1 ml	Y	Y	Refrigerated

****It is highly recommended to spin serum tubes within 30 minutes of collection, if a sufficient clot has formed. Aliquot specimen is preferred due to a few tests that need to be removed from gel ASAP. Green top tubes can be spun immediately after collection and then aliquot.**

Correct Order of Draw

-  **BLUE** ***Tubes *must be full* to evacuated volume See PFP Guidelines below if indicated.
Butterfly needle draws: Use a BLUE TOP tube for waste, fill the tubing with blood then start collection.
-  **GOLD** (Full tube preferred to get adequate volume of serum)
-  **GREEN** (Full tube)
-  **LAVENDER** (Full tube preferred, at least ½ full for minimum)

Platelet Free Plasma (PFP) Preparation Guidelines

- Within 1 hour of drawing, centrifuge sample for 5 minutes
- Without drawing up any cells, pipette plasma into a new labeled, screw-topped vial
- Centrifuge for 5 minutes again
- Without pipetting all of the sample, transfer plasma to a new labeled, screw-topped vial, removing plasma without disturbing any cell button on the bottom of the first transfer tube.
- Freeze plasma sample (Must be received frozen!)