

Test/Panel	Collection Requirements	Additional Requirements	Stability at Room Temp	Stability Stored 2-8 °C	Spin Time/Spin Speed Vacuette Tubes
CBC (Compete Blood Count) with differential					
WBC, RBC, HGB, HCT, PLT (includes red cell indices MCV, MCH, MCHC, RDW)	Purple Top Tube EDTA	Minimum 1 mL full	24 hours	36 hours	N/A
Auto diff includes % Segs, Lymphs, Eos, Monos, and Basos	Purple Top Tube EDTA	Minimum 1 mL full	24 hours	36 hours	N/A
Manual differential performed as needed or requested	Purple Top Tube EDTA	Minimum 1 mL full	24 hours	36 hours	N/A
Body Fluids Cell Counts (CSF)	Cardinal Health Tube	Tube 1 comes to Chemistry	N/A	Not defiend	N/A
H&H only	Purple Top Tube EDTA	Minimum 1 mL full	24 hours	36 hours	N/A
ESR	Purple Top Tube EDTA	N/A	4 hours	24 hours	N/A
CMP (Complete Metabolic Panel)					
Glucose, BUN, Creatinine, Sodium, Potassium, Chloride, CO2, Calcium, Albumin, ALT, AST, Alkaline Phos, Total Protein, Total Bili	Green or Red top	Must be separated within 1 hours	8 hours	2 days	10-15 Minutes/1800-2200 RCF
BMP (Basic Metabolic Panel)					
Glucose, BUN, Creatinine, Sodium, Potassium, Chloride, CO2, Calcium	Green or Red top	Must be separated within 1 hours	8 hours	2 days	10-15 Minutes/1800-2200 RCF
Hepatic Profile					
ALT, AST, Alkaline Phos, Total Protein, Albumin, Total Bilirubin, Direct Bilirubin	Green or Red top	Must be separated within 1 hours	8 hours	3 days	10-15 Minutes/1800-2200 RCF
Renal Panel					
Glucose, BUN, Creatinine, Sodium, Potassium, Chloride, CO2, Calcium, Phos, Albumin	Green or Red top	Must be separated within 1 hours	8 hours	2 days	10-15 Minutes/1800-2200 RCF
Test/Panel	Collection Requirements	Additional Requirements	Stability at Room Temp	Stability Stored 2-8 °C	Spin Time/Spin Speed Vacuette Tubes
Thyroid Profile (TSH&FT4)	Green or Red top	Must be separated within 2 hours	24 hours	7 days	10-15 Minutes/1800-2200 RCF
Lipid Profile					
Cholesterol, Triglycerides, HDL Cholesterol, LDL Cholesterol	Green or Red top	Must be separated within 2 hours	8 hours	7 days	10-15 Minutes/1800-2200 RCF
Individual Chemistry Tests					
Test/Panel	Collection Requirements	Additional Requirements	Stability at Room Temp	Stability Stored 2-8 °C	Spin Time/Spin Speed
A1C	Purple Top EDTA	Sample should not be clotted	3 Days	7 Days	N/A- Whole Blood
Acetaminophen	Green or Red Top	Must be separated within 2 hours	8 hours	2 week	10-15 Minutes/1800-2200 RCF
Albumin (Alb)	Green or Red Top	Must be separated within 2 hours	8 hours	2 Days	10-15 Minutes/1800-2200 RCF
Alcohol	Green or Red Top	Must be separated within 2 hours	2 Days	2 Weeks	10-15 Minutes/1800-2200 RCF
Alkaline phosphatase (ALP)	Green or Red top	Must be separated within 2 hours	8 hours	7 days	10-15 Minutes/1800-2200 RCF
Alanine transaminase (ALT)	Green or Red top	Must be separated within 2 hours	N/A	7 Days	10-15 Minutes/1800-2200 RCF
Ammonia (Ammon)	Green or Red top	Must be separated ASAP, Tube Completely Filled and Stored on Ice- Analyzed within 30 minutes	N/A	2 hours	10-15 Minutes/1800-2200 RCF
Amylase (Amy)	Green or Red top	Must be separated within 2 hours	7 days	6 months	10-15 Minutes/1800-2200 RCF
Aspartate transaminase (AST)	Green or Red top	Must be separated within 2 hours	3 Days	7 Days	10-15 Minutes/1800-2200 RCF

Bilirubin Direct (Dbil)	Green or Red top	Protect from light- Must be separated within 2 hours	8 hours	7 days	10-15 Minutes/1800-2200 RCF
Bilirubin Total (Tbil)	Green or Red top	Protect from light- Must be separated within 2 hours	8 hours	7 days	10-15 Minutes/1800-2200 RCF
Blood Urea Nitrogen (BUN)	Green or Red top	Must be separated within 2 hours	3 Days	7 days	10-15 Minutes/1800-2200 RCF
B natriuretic peptide (BNP)	Green, Red or Purple Top	Must be separated within 2 hours	3 Days	3 Days	10-15 Minutes/1800-2200 RCF
Calcium (CA)	Green or Red top	Must be separated within 2 hours	8 hours	2 days	10-15 Minutes/1800-2200 RCF
Chloride/Sodium/Potassium (CL/NA/K)- Blood	Green or Red top	Must be separated within 2 hours	1 weeks	1 week	10-15 Minutes/1800-2200 RCF
Sodium/Potassium (NA/K)- Urine	24 Hr Urine	N/A	N/A	24 hours	N/A
Cholesterol (Chol)	Green or Red top	Must be separated within 2 hours	8 hours	2 days	10-15 Minutes/1800-2200 RCF
Carbon Dioxide (CO2)	Green or Red top	Must be separated within 2 hours	8 hours	2 days	10-15 Minutes/1800-2200 RCF
Creatine Kinase (CK)	Green or Red top	Must be separated within 2 hours	N/A	7 days	10-15 Minutes/1800-2200 RCF
Creatine Kinase-MB (CK-MB)	Green or Red top	Must be separated within 2 hours	12 hours	3 days	10-15 Minutes/1800-2200 RCF
Creatinine (Creat)- Blood	Green or Red top	Must be separated within 2 hours	24 hours	7 days	10-15 Minutes/1800-2200 RCF
Creatinine (Creat)- Urine	Random or 24 Hr Urine	N/A	N/A	4 Days	N/A
Test/Panel	Collection Requirements	Additional Requirements	Stability at Room Temp	Stability Stored 2- 8 °C	Spin Time/Spin Speed
Digoxin (DIG)	Green or Red top	Must be separated within 2 hours	8 hours	7 days	10-15 Minutes/1800-2200 RCF
Ferritin (Ferr)	Green or Red top	Must be separated within 2 hours	8 hours	7 days	10-15 Minutes/1800-2200 RCF
Free Thyroxine (FT4)	Green or Red top	Must be separated within 2 hours	24 hours	14 days	10-15 Minutes/1800-2200 RCF
GGT	Green or Red top	Must be separated within 2 hours	8 hours	2 days	10-15 Minutes/1800-2200 RCF
Glucose (Glu) - Blood	Green or Red top	Must be separated within 1 hours	8 hours	72 hours	10-15 Minutes/1800-2200 RCF
Glucose (Glu) - CSF	Cardinal Health Tube	Tube 4 comes to Hemaatology	N/A	Not defiend	N/A
Gentamicin	Green or Red top	Must be separated within 2 hours	8 hours	2 days	10-15 Minutes/1800-2200 RCF
HDL-Cholesterol (A-HDL)	Green or Red Top	Must be separated within 2 hours	8 hours	7 days	10-15 Minutes/1800-2200 RCF
Hcg- Serum	Green or Red top	Must be separated within 2 hours	24 hours	48 hours	10-15 Minutes/1800-2200 RCF
Iron (Fe)	Green or Red Top	Must be separated within 2 hours	4 days	7 days	10-15 Minutes/1800-2200 RCF
Lactate (LAC)	Grey Top Tube- Plasma	Keep on ice and must be separated within 15 minutes	N/A	24 hours (Freezer- Month)	10-15 Minutes/1800-2200 RCF
Lactate Dehydrogenase (LDH)	Green or Red Top	Must be separated within 2 hours	3 Days	DO NOT REFRIGERATE	10-15 Minutes/1800-2200 RCF
Lipase (Lip)	Green or Red Top	Must be separated within 2 hours	N/A	7 days	10-15 Minutes/1800-2200 RCF
Lithium	Serum Only	Must be separated within 2 hous	24 hours	7 days	10-15 Minutes/1800-2200 RCF
Magnesium (MG)	Green or Red Top	Must be separated within 2 hours	7 days	7 days	10-15 Minutes/1800-2200 RCF
Microalbumin	Urine	Visibly contaminated specimens	2 days	14 days	N/A
Phenytoin (PTN)	Green or Red Top	Must be separated within 2 hours	24 hours	2 days	10-15 Minutes/1800-2200 RCF
Phosphorous (Phos)	Green or Red Top	Must be separated within 1 hour	8 hours	7 days	10-15 Minutes/1800-2200 RCF
Prostate Specific Antigen (Total PSA)	Green or Red top	Must be separated within 2 hours	N/A	8 hours	10-15 Minutes/1800-2200 RCF

Salicylates	Green or Red Top	Must be separated within 2 hours	7 days	2 weeks	10-15 Minutes/1800-2200 RCF
Thyroid Stimulating Hormone (TSH)	Green or Red top	Must be separated within 2 hours	1 day	7 days	10-15 Minutes/1800-2200 RCF
TIBC (Total Iron Binding Capacity)	Serum Only	Must be separated within 2 hours	4 days	7 days	10-15 Minutes/1800-2200 RCF
Total Protein (TP)-Blood	Green or Red top	Must be separated within 2 hours	8 hours	72 hours	10-15 Minutes/1800-2200 RCF
Total Protein (TP)-Urine	Random or 24 Hr Urine	Free of any particulate matter, avoid contamination with plasma proteins	N/A	< 72 hours	N/A
Total Protein (TP)- CSF	Cardinal Health Tube	Avoid contamination with plasma proteins	N/A	< 72 hour	N/A
Triglyceride (Trig)	Green or Red Top	Must be separated within 2 hours	8 hours	2 days	10-15 Minutes/1800-2200 RCF
Troponin (TNIH- High Sensitivity)	Green Top	Must be separated within 2 hours	8 hours	24 hours	10-15 Minutes/1800-2200 RCF
Uric Acid (Uric)	Green or Red Top	Must be separated within 2 hours	24 hours	3 days	10-15 Minutes/1800-2200 RCF
Valproic Acid (VALP)	Green or Red Top	Must be separated within 2 hours	8 hours	2 days	10-15 Minutes/1800-2200 RCF
Vancomycin (Vanco)	Green or Red Top	Must be separated within 2 hours	8 hours	2 days	10-15 Minutes/1800-2200 RCF
Vitamin D	Green or Red Top	Must be separated within 2 hours	24 hours	7 days	10-15 Minutes/1800-2200 RCF
Test/Panel	Collection Requirements	Additional Requirements	Stability at Room Temp	Stability Stored 2-8 °C	Spin Time/Spin Speed
Coagulation Tests					
Fibrinogen	Blue Top Tube (3.2 %)	Must be full/Centrifuge within at least 2 hours	N/A	72 hours(at 4°C)	15 Minutes/1500 RCF
PFA	Blue Top Tube (3.2 %)	Must be full/DO NOT Centrifuge	4 hours	N/A	N/A
Prottime with INR	Blue Top Tube (3.2 %)	Must be full/Centrifuge within at least 2 hours	24 hours	DO NOT REFRIGERATE/ON ICE	15 Minutes/1500 RCF
APTT	Blue Top Tube (3.2 %)	Must be full/Centrifuge within at least 1 hour	4 hours	N/A Frozen Plasma- 2 weeks	15 Minutes/1500 RCF
Test/Panel	Collection Requirements	Additional Requirements	Stability at Room Temp	Stability Stored 2-8 °C	Spin Time/Spin Speed
Drug Screen EIA (on instrument)					
Amphetamines/Methamphetamines	Fresh urine specimen in plastic or glass container stored unrefrigerated for up to 7 days. If turbid, specimen needs to be centrifuged.			< 24 hours	
Ecstasy				< 24 hours	
Fentanyl				< 24 hours	
Opiates				< 24 hours	
Oxycodone				< 24 hours	
Methadone				< 24 hours	
Phencyclidine (PCP)				< 24 hours	
Cannabinoids (THC)				< 24 hours	
Benzodiazepines				< 24 hours	
Barbiturates				< 24 hours	
Cocaine	< 24 hours				
Test/Panel	Collection Requirements	Additional Requirements	Stability at Room Temp	Stability Stored 2-8 °C	Spin Time/Spin Speed
Miscellaneous Tests					
Beta-Hydroxybutyrate-Instrument/Blood	Sodium Heparin Green Top-Venous	Not to be done on Neonates	Not defined	Not defined	N/A
Beta-Hydroxybutyrate-Finger Stick (Stat-Site WB EKf Diagnostics)	Finger Stick	Not to be done on Neonates	N/A	N/A	N/A

Creatinine (i-Stat)	Lithium Heparin Green Top	None	N/A	N/A	N/A
Creatinine Clearance -Urine AND Serum (must be done together)	Serum- Green or Red Top tube. Urine- Random or 24 hour	Urine-store in refrigertor or on ice during collection. Serum- collection can be made within 24 hours of the urine.	Refer to Urine and Blood Creat section above	Refer to Urine and Blood Creat section above	Refer to Urine and Blood Creat section above
G3+ Cartridge (i-Stat)	Lithium Heparin Green Top	Run within 10 minutes whith Litum Hep collection. If collected without anticoagulant-run within 3 minutes	N/A	N/A	N/A
Triage D-Dimer	WB or Plasma-EDTA Purple Top Tube	Run within 24 hours, if. Can freeze plasma.	Not defined	Not defined	10-15 Minutes/1800-2200 RCF
Fecal Occult Blood (IFOB)	Stool Sample	None	8 days	6 months	N/A
Qualitative Pregnancy Test	Urine or Serum-non-hemolyzed	Separate serum as soon as possible. Urine-first morning specimen <i>perferred</i>	N/A	48 hours for both	Not defined
RPR	Serum or plasma(EDTA)	If positive- send out serum confirmation	24 hours	Plasma-24 hours Serum-5 day	10-15 Minutes/1800-2200 RCF
Rapid UDS iScreen Urine Test, Square Cup	Fresh Random Urine	Refrigerate if not submitted immediately	Not defined	Not defined	N/A
Test/Panel	Collection Requirements	Additional Requirements	Stability at Room Temp	Stability Stored 2-8 °C	Spin Time/Spin Speed
Serology					
H. Pylori	EDTA Tube-WB	None	N/A	24 hours	N/A-WB
AmniSure	Vaginal		4 hours	6 hours	
HIV 1/2	EDTA Tube-WB	Do not test on patients under 13 years old	24 hours	3 days	N/A-WB
ID Now Strep A	ID Strep A Kit Throat Swab	Keep in original collection package	72 hours	72 hours	N/A
MonoTest	Heparin or EDTA Tube-Plasma	None	N/A	Whole blood-24 hours serum/plasma 48 hours	10-15 Minutes/1800-2200 RCF
ID Now RSV	Nasopharangeal	No age restriction	2 hours	24 hours	N/A
ID Now Covid-19	ID Covid-19 Nasopharangeal /Anterior Nasal Swab	None	1 hour	N/A	N/A
ID Now Influenza A&B	ID Flu A/B Nasopharangeal /Anterior Nasal Swab	None	2 hours	24 hours	N/A
Test/Panel	Collection Requirements	Additional Requirements	Stability at Room Temp	Stability Stored 2-8 °C	Spin Time/Spin Speed
Microbiology/Bacteriology					
Quidel Strep A Antigen	Rayon tipped swabs	Process as soon as possible	72 hours	72 hours	N/A
Fecal Lactoferrin	Stool Sample	Do not test breastfed child	2 weeks	2 weeks	N/A
Rotovirus Antigen	Stool Sample	None	N/A	72 hours	N/A
Shiga Toxin 1/2	Stool Sample	Place at 2-8°C	N/A	2 hours	N/A

Crypto/Giardia Antigen	Stool Sample	Samples collected in SAF, 10% Formalin, MIF, Cary-Blair, C&S, or Stuarts transport is preferred- Solid, semi-solid or liquid samples are acceptable	SAF- 2 months	SAF- 2 months Cary-Blair C&S- 2 weeks	N/A
Test/Panel	Collection Requirements	Additional Requirements	Stability at Room Temp	Stability Stored 2-8 °C	Spin Time/Spin Speed
Urinalysis					
Urinalysis (Microscopic performed as requested of as necessary)	Fresh Urine	Refrigerate if not submitted immediately	2 hours	24 hours	5 Minutes/ 400 RCF (Kova Tube)
Urinalysis Culture if Positive (Culture submitted to reference lab if Nitrite or Leukocytes positive on dip or >10 WBC's with bacteria present on microscopic analysis)	Fresh Urine	Refrigerate if not submitted immediately	As soon as possible	24 hours	N/A
Test/Panel	Collection Requirements	Additional Requirements	Stability at Room Temp	Stability Stored 2-8 °C	Spin Time/Spin Speed
Blood Bank					
ABO/Rh	Purple or Pink Top EDTA Tube	None Noted	N/A	7 Days	10-15 Minutes/1800-2200 RCF
X-Match/Antibody Screen	Purple or Pink Top EDTA Tube	None Noted	N/A	72 hours	10-15 Minutes/1800-2200 RCF
DAT	Purple or Pink Top EDTA Tube	Must be tested within 48 hours	N/A	24 hours	10-15 Minutes/1800-2200 RCF
Test/Panel	Collection Requirements	Additional Requirements	Stability at Room Temp	Stability Stored 2-8 °C	
Blood Gas Analysis	Whole Blood	Run within 10 minutes	N/A	N/A	N/A