

THE INFECTIOUS DISEASES INSTITUTE CORE LABORATORY

SAMPLE REQUIREMENT LIST/TESTING REFERENCE LIST AND TAT

P = purple top vacutainer tube – EDTA (i.e., Plasma), R= Red top vacutainer tube (serum), FPBS = Filter paper blood spots (dry blood spots/DBS), G = Gray top Fluoride/Oxalate (Plasma)

Test	Specimen	Handling	Stability	Opt/Min Specimen Vol.	Comments	TAT
CBC	P*	16 - 25°C	24 hours	1.0 mL / 0.5 mL	Reject if clotted, 3-4+ hemolysis, >48 hrs old	48 Hours
Differential	P	16 - 25°C	24 hours	1.0 mL / 0.5 mL	Reject if clotted, 3-4+ hemolysis, >48 hrs old	48 Hours
CD4/CD8	P	15 - 25°C	2 days	1.0 mL / 0.5 mL	Reject if clotted or 3-4+ hemolysis	48 Hours
Blood Parasites / Malaria Smear	P	2 - 25°C	24 hours	1.5 mL / 1.1 mL	Reject if clotted, 3-4+ hemolysis, >48 hrs old	48 Hours
HIV-1 Screen (Rapid)	P	15 - 25°C	24 hours	1.0 mL / 0.5 mL		48 Hours
HIV-1 DNAPCR, QL	P	15 - 25°C	12 hours	1.0 mL / 0.5 mL	Reject if clotted, heparin or other non-EDTA anticoagulant used, or 3-4+ hemolysis	Batched 6 Days
HIV-1 RNAPCR, QT (Roche)	P	15 - 25°C	24 hours	1.5 mL / 1.1 mL	Reject if clotted or 3-4+ hemolysis	Batched 4 Days
HIV-1 RNA PCR, QT (Abbott)	P	15 - 25°C	24 hours	1.8 mL / 1.3 mL		6 Days
HIV-1/2 Geenius	R, P		4 hrs RT/ 3days 2-8C	1ml		48 Hours
Urinalysis	Clean voided urine (midstream)	2 - 25°C	2 hrs RT/ 12 hrs 2-8C	5 mL/ 1 mL	Must be tested within 2hrs of collection. Deliver to the lab within 60 to 90 minutes of collection.	48 Hours
Urine Microscopy		2 - 25°C	2 hrs RT/ 24 hrs 2-8C	5 mL/ 3 mL		48 Hours
Urine Glucose	Random Urine	2 - 25°C	2 hrs RT/ 12 hrs 2-8C	5 mL/ 1 mL		48 Hours
Urine Pregnancy	Early morning or Random Urine	2 - 25°C	24 hrs RT	5 mL/ 1 mL		48 Hours
CRAG	R, CSF	2 - 25°C	24 hours	1.0 mL / 0.5 mL	Run immediately	<24 hours
Syphilis TPAB	R, P	2 - 25°C	24 hours	1.0 mL / 0.5 mL		2 Days
Syphilis RPR	R	2 - 25°C	24 hours	1.0 mL / 0.5 mL		2 Days
Hepatitis BsAg	R, CSF	2 - 25°C	24 hours	1.0 mL / 0.5 mL		14 days
STAT Test Requests	<i>Depending on particular test details above</i>				Depending on complexity of test & status of instruments	1-3hrs

*P= EDTA purple top vacutainer tube (To ensure appropriate Coagulant to blood ratio tube must be at least 50% full)

**TAT = from time of sample receipt at Core Lab to final printed report (Monday - Saturday)

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Albumin (ALB)	R, P	2 - 25°C	8 Hours	1.0 mL / 0.5 mL		48 Hours
Alkaline Phos (ALP)	R	2 - 25°C	8 Hours	1.0 mL / 0.5 mL		48 Hours
ALT/SGPT	R, P	2 - 25°C	8 Hours	1.0 mL / 0.5 mL		48 Hours
Amylase (AMY)	R	2 - 25°C	8 Hours	1.0 mL / 0.5 mL		48 Hours
AST/SGOT	R	2 - 25°C	8 Hours	1.0 mL / 0.5 mL		48 Hours
Bicarbonate (CO2)	R	2 - 25°C	1 Hours	1.0 mL / 0.5 mL	Must remain capped until just before analysis	48 Hours
Bilirubin – Total	R	2 - 25°C	4 Hours	1.0 mL / 0.5 mL	Protect specimen from exposure to light. Wrap in foil.	48 Hours
Calcium	R	2 - 25°C	8 Hours	1.0 mL / 0.5 mL		48 Hours
Cholesterol	R, P	2 - 25°C	8 Hours	1.0 mL / 0.5 mL	Fasting 9hrs before phlebotomy recommended	48 Hours
Creatinine (CREA)	R, P	2 - 25°C	8 Hours	1.0 mL / 0.5 mL		48 Hours
Creatinine Clearance	N/A	N/A	N/A	N/A	Calculated test derived from creatinine	48 Hours
Creatine Kinase (CK)	R	2 - 25°C	8 Hours	1.0 mL / 0.5 mL		48 Hours
Gamma GT (GGT)	R	2 - 25°C	8 Hours	1.0 mL / 0.5 mL		48 Hours
Glucose (GLU)	G, R, P	2 - 25°C	2 Hours	1.0 mL / 0.5 mL	R,P - Must be centrifuged within 30 min. of collection. Deliver Quickly	48 Hours
Cholesterol Total	R,	2 - 25°C		1.0 mL / 0.5 mL	Fasting 9hrs before phlebotomy recommended	48 Hours
HDL Cholesterol	R, P	2 - 25°C	8 Hours	1.0 mL / 0.5 mL	Fasting 9hrs before phlebotomy recommended	48 Hours
LDL Chol. (calculated)	N/A	N/A	N/A	N/A	Calculated test derived from Cholesterol, HDL Chol. & Triglycerides	48 Hours
LDH	R	2 - 25°C	8 Hours	1.0 mL / 0.5 mL		48 Hours
Lipase	R	2 - 25°C	8 Hours	1.0 mL / 0.5 mL		48 Hours
Triglycerides	R, P	2 - 25°C	8 Hours	1.0 mL / 0.5 mL	Fasting 9hrs before phlebotomy recommended	48 Hours
Urea / BUN	R, P	2 - 25°C	8 Hours	1.0 mL / 0.5 mL		48 Hours
Uric Acid (URIC)	R	2 - 25°C	8 Hours	1.0 mL / 0.5 mL		48 Hours
Phosphate	R	2 - 25°C	8 Hours	1.0 mL / 0.5 mL		48 Hours
Potassium (K)	R	2 - 25°C	2 Hours	1.0 mL / 0.5 mL	Centrifuge ASAP	48 Hours
Sodium (NA)	R	2 - 25°C	2 Hours	1.0 mL / 0.5 mL	Centrifuge ASAP	48 Hours
Chloride (CL)	R	2 - 25°C	2 Hours	1.0 mL / 0.5 mL	Centrifuge ASAP	48 Hours
Direct Bilirubin	R, P	2 - 25°C	8 Hours	1.0 mL / 0.5 mL	Protect specimens from exposure to light and assay immediately	48 Hours
Total protein	R, P	2 - 25°C	8 Hours	1.0 mL / 0.5 mL		48 Hours

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Test	Specimen	Handling	Stability	Opt/Min Specimen Vol.	Comments	TAT
HIV Ag/Ab Combo EIA	R, P	2 - 25°C		0.5 mL / 1.0 mL		12 Days
Anti HCV EIA	R, P	2 - 25°C		0.5 mL / 1.0 mL		12 Days
Anti HBsAg EIA	R, P	2 - 25°C		0.5 mL / 1.0 mL		12 Days
Anti HBc EIA	R, P	2 - 25°C		0.5 mL / 1.0 mL		12 Days
Anti HBs EIA	R, P	2 - 25°C		0.5 mL / 1.0 mL		12 Days
Trichomonas Vaginalis	HVS	2 - 25°C	24hrs		Store 4-20C for 36hrs	2 Hours
CT/NG GeneXpert	Urine/Swab	2 - 25°C	8 days at 2-8C	20 ml	First catch unpreserved urine. Deliver to lab immediately	5 Days
Storage, plasma	R	2 - 25°C	24 hours	Per aliquot 1.8 mL / 1.0	Check specific study requirements; HPTN 084; 1.8ml	24 hours
Storage, whole blood	Whole blood	2 - 25°C		1.0 mL		8 hours
Storage, serum	Serum	2 - 25°C	24 hours	Per aliquot 1.0 mL / 0.5 mL	Check specific study requirements	24 hours
DBS / FPBS	Finger/heel stick or R	2 - 25°C	24 hours	Per spot ~0.05 mL	Check specific study requirements	24 hours