SYNLAB	ANALYTES/SPECIMEN STABILITY/TAT/ TIME FOR ADDING ON TEST		Filename: GN-TP-TAT
	Revision: 09	Author(s): Leonard/Daniel	Issue Date: 06.04.2019

Analyte	Stability of serum/plasma/primary sample			Special instructions / Comments	Required specimen	Time limit For adding On test	Turnaround time (TAT)
	14 - 25 °C	2 - 8 °C	-15 to -20 °C				
ALBUMIN	7 days	30 days	-	-	Serum	7 days	24 hours
TOTAL PROTEIN	6 days	4 weeks	-	-	Serum	7 days	24 hours
AMYLASE	7 days	7 days	-	Avoid contamination with Saliva	Serum	7 days	24 hours
DIRECT BILIRUBIN	3 days	7 days	-	Keep away from light	Serum	7 days	24 hours
TOTAL BILIRUBIN	1 day	7 days		Keep away from light	Serum	7 days	24 hours
ALP	7 days	7 days	-	Avoid haemolysed samples	Serum	7 days	24 hours
AST	4 days	7 days	-	Avoid haemolysed samples	Serum	7 days	24 hours
ALT	3 days	7 days	-	-	Serum	7 days	24 hours
GGT	7 days	7 days	-	-	Serum	7 days	24 hours
LDH	7 days	4 days	-	Avoid haemolysed samples	Serum	7 days	24 hours
POTASSIUM	6 weeks	6 weeks	-	Avoid haemolysed samples	Serum/Plasma (Heparin)	7 days	24 hours
CO_2	1 day	7 days	-	Avoid haemolysed samples	Serum/Plasma (Heparin)	7 days	24 hours

Analyte	Stability of serum/plasma/primary sample			Special instructions / Comments	Required specimen	Time limit For adding On test	Turnaround time (TAT)
	14 - 25 °C	2 - 8 °C	-15 to -20 °C				
SODIUM	2 weeks	2 weeks	-	Avoid grossly lipaemic samples	Serum/Plasma (Heparin)	7 days	24 hours
TRIG	2 days	7 days	-	Fasting sample recommended. Avoid icteric samples.	Serum	7 days	24 hours
CHOL	-	7 days	-	Avoid icteric samples.	Serum	7 days	24 hours
HDL-CHOL	2 days	7 days	-	-	Serum	7 days	24 hours
CREATININE	7 days	7 days	-	Avoid strongly lipaemic samples.	Serum/Plasma (Heparin)	7 days	24 hours
UREA	7 days	7 days	-	Avoid haemolysed and strongly icteric samples.	Serum/Plasma (Heparin)	7 days	24 hours
M-TP	-	3 days	-	Avoid blood contamination during sample collection.	CSF/Urine	3 days	24 hours
CALCIUM	7 days	22 days	1 year	Avoid haemolysed samples	Serum	7 days	24 hours
MAGNESIUM	7 days	-	-	Avoid haemolysed samples	Serum	7 days	24 hours
CHLORIDE	7 days	7 days	-	Avoid haemolysed and grossly lipemic samples	Serum/Plasma (heparin)	7 days	24 hours

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	14 - 25 °C	2 - 8 °C	-15 to -20 °C				
PHOSPHATE	1 day	4 days	-	Avoid strongly haemolysed samples	Serum	4 days	24 hours
HBAIC	8 hours	7 days	3 months	Method dependent	EDTA Whole blood	7 days	24 hours
URIC ACID	3 days	7 days	-	-	Serum	7 days	24 hours
IRON	7 days	3 weeks	-	Avoid haemolysed and grossly lipemic samples	Serum	7 days	24 hours
GLUCOSE	2 days	7 days	-	Avoid icteric and strongly lipemic samples	Fluoride Plasma/Serum	7 days	24 hours
CK	4 hours	8 – 12 hrs	1 month	Avoid haemolysed samples	Serum	Within 24 hours	3 hours
CRP	11 days	2 months	-	-	Serum	7 days	24 hours
FBC	4 hours	24 hours	-	-	EDTA-whole blood	Within 24 hours	24 hours
aPTT	8 hours	12 hours	2 weeks	Reagent dependent Reduced stability in heparin Plasma	Citrated Plasma	4 hours	3 hours

Analyte	Stability of serum/plasma/primary sample			Special instructions / Comments	Required specimen	Time limit For adding On test	Turnaround time (TAT)
	14 - 25 ºC	2 - 8 ºC	-15 to -20 ºC				
PT/INR	24 hours	24 hours	-	Reagent Dependent	Citrated plasma	Within 24 hours	3 hours
Fibrinogen	24 hours	24 hours	-	-	Citrated plasma	Within 24 hours	3 hours
MALARIA	4 hours	24 hours	-	-	EDTA-whole blood	Within 24 hours	3 hours
BLOOD PARASITES	4 hours	24 hours			EDTA-whole blood	Within 24 hours	24 hours
ESR	4 hours	24 hours	-	-	EDTA-whole blood	Within 4 hours	24 hours
SICKLING/HB ELECTROPH ORESIS	24 hours	7 days	-	-	EDTA Whole blood	7 days	3 days
G6PD	4 hours	7 days	-		EDTA-whole blood	5 days	24 hours
RETICS	6 hours	24 hours	-	-	EDTA-whole blood	24 hours	24 hours
URINE R/E	2 hours	24 hours	-	-	Urine	Within 24 hours	24 hours

Analyte	Stability of serum/plasma/primary sample			Special instructions / Comments	Required specimen	Time limit For adding On test	Turnaround time (TAT)
	14 - 25 °C	2 - 8 °C	-15 to -20 °C				
STOOL R/E	6 hours	72 hours	-	-	Stool	Within 24 hours	24 hours
URINE C/S	2 hours	24 hours	-	-	Urine	Within 24 hours	3 days
CSF C/S	18 hours	-	-	-	-	-	4 days
STOOL C/S	6 hours	72 hours	-	-	Stool	Within 24 hours	4 days
EAR SWAB	24 hours	-	-	-	-	24 hours	4 days
WOUND SWAB	24 hours	-	-	-	-	24 hours	4 days
VAGINA & CERVICAL SWAB	24 hours	-	-	-	-	24 hours	4 days
BLOOD CULTURE	24 hours	-	-	-	-	-	7 days. (2 days for interim report)
SPUTUM CULTURE	2 hours	24 hours	-	-	-	Within 24 hours	4 days
FUNGAL CULTURE	24 hours	-	-	-	-	24 hours	14 days

Analyte	Stability of serum/plasma/primary sample			Special instructions / Comments	Required specimen	Time limit For adding On test	Turnaround time (TAT)
	14 - 25 °C	**2 - 8 °C**	**-15 to -20 °C**				
THROAT & MOUTH SWAB	3 days	-	-	-	-	24 hours	4 days
A F B Micro	-	1 week	-	-	-	1 week	24 hours
TESTO	-	7 days	6 months	Avoid grossly haemolysed samples	Serum	7 days	24 hours
E2	12 hours	2 days	6 months	-	Serum	2 days	24 hours
CORTISOL	-	5 days	3 months	-	Serum	5 days	24 hours
PROG.	1 day	5 days	6 months	-	Serum	5 days	24 hours
CK-MB	4 hours	8 hours	3 months	-	Serum	Within 24 hours	3 hours
B-HCG	-	3 days	12 months	-	Serum	3days	3 hours
HBsAg	-	5 days	3 months	-	Serum	5 days	24 hours **48 hours for Visa Applicants**
HBeAg	-	7 days	3 months	-	Serum	7 days	24 hours

Analyte	Stability of serum/plasma/primary sample			Special instructions / Comments	Required specimen	Time limit For adding On test	Turnaround time (TAT)
	14 - 25 ºC	2 - 8 ºC	-15 to -20 ºC				
HBsAb	-	6 days	3 months	-	Serum	6 days	24 hours
HBeAb	-	5 days	3 months	-	Serum	5 days	24 hours
HBcAb	-	5 days	3 months	-	Serum	5 days	24 hours
HBcIgM	-	6 days	3 months	-	Serum	6 days	24 hours
FT4	-	7 days	30 days	-	Serum	7 days	24 hours
FT3	-	7 days	30 days	-	Serum	7 days	24 hours
TSH		7 days	1 month	-	Serum	7 days	24 hours
LH	-	14 days	6 months		Serum	14 days	24 hours
FSH	-	14 days	6 months	-	Serum	14 days	24 hours
PROLACTIN	-	14 days	6 months	-	Serum	14 days	24 hours
INSULIN	-	24 hours	6 months	-	Serum	24 hours	24 hours
FERRITIN	24 hours	7 days	12 months	Avoid grossly haemolysed samples	Serum	7 days	24 hours

Analyte	Stability of serum/plasma/primary sample			Special instructions / Comments	Required specimen	Time limit For adding On test	Turnaround time (TAT)
	14 - 25 ºC	2 - 8 ºC	-15 to -20 ºC				
AFP	-	7 days	3 months	-	Serum	7 days	24 hours
PSA	-	5 days	6 months	-	Serum	5 days	24 hours
CEA	-	7 days	6 months	-	Serum	7 days	24 hours
CA-125	-	5 days	3 months	-	Serum	7 days	24 hours
IGE	-	7 days	6 months	-	Serum	7 days	24 hours
VITAMIN D	8 hours	4 days	24 weeks	-	Serum	4 days	24 hours
VITAMIN B12	2 hours	48 hours	56 days	-	Serum	2 days	24 hours
FOLATE	2 hours	2 days	1 month	Protect from light. Store samples at 2 – 8 if they cannot be measured immediately.	Serum	2 days	24 hours
HIV	7 days	4 weeks	3 months	-	Serum	4 weeks	24 hours **48 hours for Visa Applicants**

Analyte	Stability of serum/plasma/primary sample			Special instructions / Comments	Required specimen	Time limit For adding On test	Turnaround time (TAT)
	14 - 25 ºC	**2 - 8 ºC**	**-15 to -20 ºC**				
TROP T hs	-	24 hrs	12 months	Avoid haemolysed samples	Serum	24 hrs	3 hours
D-DIMER	8hours	-	-	-	Whole Blood (Heparin)	-	3 hours
HEP C	3 days	7 days	3 months	-	Serum	7 days	24 hours **48 hours for Visa Applicants**
RPR	-	48 hours	1 year	Avoid haemolysed and lipaemic samples	Serum/Plasma	48 hours	24 hours
RF	-	48 hours	6 weeks	Avoid haemolysed and lipaemic samples	Serum	48 hours	24 hours
WIDAL	-	48 hours	6 weeks	Avoid haemolysed and lipaemic samples	Serum	48 hours	24 hours
BLOOD GROUP	-	7 days	-	-	Whole Blood	7 days	24 hours
TPHA	-	48 hours	Up to 1 year	Avoid haemolysed and lipaemic samples	Serum	48 hours	24 hours
URINE PT	-	2 days	-	-	Urine	48 hours	24 hours

Analyte	Stability of serum/plasma/primary sample			Special instructions / Comments	Required specimen	Time limit For adding On test	Turnaround time (TAT)
	14 - 25 ºC	**2 - 8 ºC**	**-15 to -20 ºC**				
SERUM PT	-	2 days	-	-	Serum	48 hours	24 hours ***Note:*** 48 hours for all Visa Applicants
DIRECT COOMBS	-	7 days	-	-	Whole Blood	7 days	24 hours
INDIRECT COOMBS	-	7 days	-	-	Serum	7 days	24 hours
CD4/CD8	24 hours	-	-	-	Whole blood (EDTA)	24 hours	24 hours
HBV	3 days	4-8°C 7 days	-20 to-80°c 6 weeks	-	Serum	7 days	10 working days

NOTE: All URGENT Tests takes 3 hours. For tests that are batched, it takes 24 hours from day of testing.

Supersedes GN-TP-Turnaround Time: **Revision 08**

Analyte	Stability of serum/plasma/primary sample			Special instructions / Comments	Required specimen	Time limit For adding On test	Turnaround time (TAT)
	14 - 25 ºC	**2 - 8 ºC**	**-15 to -20 ºC**				

Sources:

- Manufacturer's Instructions For Use (Package Inserts)
- Dacie and Lewis Practical Haematology. Collection and Handling of blood. 11th ed. Churchill Livingstone 2012.
- Domingo et al. G6PD testing in support of treatment and elimination of malaria: recommendations for evaluation of G6PD tests. Malaria Journal 2013;12:391
- Feng, L.M, Zhao, Y., Zhao, H.C. & Shao, Z.X. Effects of storage time and temperature on coagulation tests and factors in fresh plasma. Sci.Rep.4,3868; DOI:10.1038/srep03868 (2014)
- https://www.testmenu.com/UHElyriaMedicalCenter/TestDirectory/SiteFile?fileName=sidebar%5CLaboratoryGeneralSpecimenCollectionandHandling3.pdf --+