



## IN-HOUSE TEST CATALOGUE

Filename: **GN-LI-In-HouseTestCatalogue**

Revision:06

Issue Date: 01.08.2023

Author: Michael Ackah

Authorized by: Daniel Appoh

### In-House Test Catalogue

In this test catalogue, you will find details on performed tests as well as further information to facilitate easier sample collection and storage. Data and texts concerning itemized parameters were collected from manufacturer's package inserts. In some cases, the reader is referred to consult the laboratory in which case they are to call any of our hotlines.

For clarifications on any tests or for assistance, please call **0501682734**.

This is a complete list of tests performed in-house at SYNLAB Ghana. We gain our expert knowledge from specialist literature for laboratory physicians and other medical disciplines, ensuring we are up to date on all topics regarding laboratory medicine.

Our aim is to help you, as effectively as it is possible for us, to find the right diagnosis.

All content of this test catalogue is intended solely for information purposes and does in no way substitute any professional consultation or treatment through qualified and recognized physicians.

The medical care units urge all users with health problems always to consult a physician if necessary.

The content presented is of informative character only and does not claim to be complete.

### Accreditation Quality Management

SYNLAB operates rigorous Internal Quality Control (IQS) and External Quality Assessment (EQA) schemes.

All labs (except where indicated) are accredited to ISO 15189 (DAkKS, Deutsche Akkreditierungsstelle).

Source: SYNLAB parameter index, version 1.0/1617, edition 2016/2017

\*Rev:02 (14.05.2021). Sample type for D-dimer and Pro-BnP corrected.

\*Rev:03 (14.07.2021). 24hr TAT for tests sampled at Head office has been updated to 12hours. CD4/CD8 is currently on hold.

\*Rev:04 (22.03.2022). CD4/CD8 is currently unavailable. The following tests have been moved to the Sendaways test catalogue: (Vitamin D(25-OH), Vitamin B12, AFP, Ca-125, IgE and Folic Acid)

\*Rev:05 (23.01.2023) The following tests are now being analysed in-house: Vitamin D(25-OH), Vitamin B12, AFP and CA-125. Also included is the molecular department.



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LIVER FUNCTION TESTS (TBIL, DBIL, ALP,GGT, ALT ,AST, TP & ALB)	Serum	1ml	24hrs	Daily	Avoid haemolysed samples. Keep Bilirubin samples away from light	Spectrophotometry	24hrs	7 days	14 days
RENAL FUNCTION TESTS (UREA, CREATININE, ELECTROLYTES (NA, K, CL & CO2))	Serum	1ml	24hrs	Daily	Avoid haemolysed and icteric samples	Spectrophotometry	24hrs	7 days	14 days
FULL LIPID PROFILE (TOTAL CHOLESTEROL, TRIGLYCERIDES, LDL & HDL)	Serum	1ml	24hrs	Daily	Fasting sample recommended. Avoid haemolysed samples. Avoid icteric samples. Avoid lipaemic samples.	Spectrophotometry	24hrs	7 days	14 days
THYROID FUNCTION TEST (THYROID-STIMULATING HORMONE (TSH) FREE TRIIODOTHYRONINE (FT3) AND FREE THYROXINE (FT4))	Serum	1ml	24hrs	Daily	Avoid haemolysed sample.	ECLIA	8hrs	7 days	30 days



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<b>HEMATOLOGY</b>									
TEST NAME	SAMPLE	VOLUME	TAT	DAYS OF ANALYSIS	SPECIAL REMARKS	METHOD	ROOM TEMP.	FRIDGE TEMP. (2 – 8 °C)	FROZEN
FULL BLOOD COUNT (FBC)	EDTA whole blood	4ml	24hrs	Daily	Avoid blood clots	Flow cytometry	24hrs	3days	DO NOT FREEZE
FULL BLOOD COUNT WITH FILM COMMENT	EDTA whole blood	4ml	2-3 working days	Mondays, Wednesdays, Fridays	Avoid blood clots	Flow cytometry/ Microscopy	4hrs	24hrs	DO NOT FREEZE
RETICULOCYTES	EDTA whole blood	4ml	24hrs	Daily	Avoid blood clots	Flow cytometry	4hrs	24hrs	DO NOT FREEZE
BLOOD GROUP	EDTA whole blood	2ml	24hrs	Daily	Avoid blood clots	Agglutination	24hrs	3days	DO NOT FREEZE
GLUCOSE-6-PHOSPHATE DEHYDROGENASE (G6PD)	EDTA whole blood	4ml	24hrs	Daily	Avoid blood clots	Methaemoglobin reduction	4hrs	3days	DO NOT FREEZE
HEMOGLOBIN - ELECTROPHORESIS (Quantitative)	EDTA whole blood	4ml	Batched	Tuesdays/ Fridays	Avoid blood clots	Capillary Electrophoresis	4hrs	7 days	DO NOT FREEZE
HEMOGLOBIN ELECTROPHORESIS (Qualitative)	EDTA whole blood	2ml	24hrs	Daily	Avoid blood clots	Lateral flow immunoassay	1 week	1 week	DO NOT FREEZE
MALARIA MICROSCOPY	EDTA whole blood	1ml	3hrs	Daily	Avoid blood clots	Microscopy	24hrs	24hrs	DO NOT FREEZE
MALARIA ANTIGEN TEST	EDTA whole blood	1ml	3hrs	Daily	Avoid blood clots	Immunochromatography	24hrs	24hrs	DO NOT FREEZE



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BLOOD PARASITE MICROSCOPY	EDTA whole blood	1ml	24hrs	Daily	Avoid blood clots	Microscopy	4hrs	24hrs	DO NOT FREEZE
PT/INR – (ACTIVATED PROTHROMBIN TIME/ INTERNATIONAL NORMALIZED RATIO)	Citrate Plasma	1ml	3hrs	Daily	Avoid blood clots. Ensure sample reaches the mark on the tube. For storage longer than 4hrs please separate plasma into a sterile plain tube.	Coagulometry	4hrs	24hrs	3days
ACTIVATED PARTIAL THROMBOPLASTIN TIME (APTT)	Citrate Plasma	1ml	3hrs	Daily	Avoid blood clots. Ensure sample reaches the mark on the tube. For storage longer than 4hrs please separate plasma into a sterile plain tube.	Coagulometry	4hrs	24hrs	3days
ERYTHROCYTE SEDIMENTATION RATE (ESR)	EDTA whole blood	4ml	24hrs	Daily	Avoid blood clots	Westegren	4hrs	24hrs	DO NOT FREEZE
COOMBS DIRECT	EDTA whole blood	2ml	24hrs	Daily	Avoid blood clots	Agglutination	4hrs	7days	DO NOT FREEZE
COOMBS INDIRECT	Serum	2ml	24hrs	Daily	Avoid haemolysed and lipaemic samples	Agglutination	4hrs	7days	DO NOT FREEZE
CLOTTING TIME	consult the lab	consult the lab	consult the lab	consult the lab	consult the lab	Coagulometry	consult the lab	consult the lab	consult the lab
BLEEDING TIME	consult the lab	consult the lab	consult the lab	consult the lab	consult the lab	Surgicut method	consult the lab	consult the lab	consult the lab



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<b>BIOCHEMISTRY</b>									
TEST NAME	SAMPLE	VOLUME	TAT	DAYS OF ANALYSIS	SPECIAL REMARKS	METHOD	ROOM TEMP.	FRIDGE TEMP. (2 – 8 °C)	FROZEN
TOTAL IRON BINDING CAPACITY (UIBC + IRON)	Serum	1ml	24hrs	Daily	Avoid Haemolysis. Fasting samples preferable.	Spectrophotometry	24hrs	3weeks	N/A
ALBUMIN	Serum	1ml	24hrs	Daily	Avoid Haemolysis and lipaemia	Spectrophotometry	24hrs	30 days	N/A
ALKALINE PHOSPHATASE (ALP)	Serum	1ml	24hrs	Daily	Avoid Haemolysis and lipaemia	Spectrophotometry	24hrs	7days	N/A
ALANINE AMINOTRANSFERASE (ALT)	Serum	1ml	24hrs	Daily	Avoid Haemolysis and lipaemia	Spectrophotometry	24hrs	7days	N/A
ALPHA-AMYLASE	Serum	1ml	24hrs	Daily	Avoid Haemolysis and lipaemia	Spectrophotometry	24hrs	7days	N/A
ALPHA-AMYLASE in urine	Random (Spot) Urine	10 ml	24hrs	Tue & Fri	Collect urine without using preservatives(HCl)	Spectrophotometry	24hrs	10 days	N/A
ASPARTATE AMINOTRANSFERASE (AST)	Serum	1ml	24hrs	Daily	Avoid contamination with saliva. Avoid Haemolysis and lipaemia	Spectrophotometry	24hrs	7days	N/A
SERUM BICARBONATE (CO <sub>2</sub> )	Serum	1ml	24hrs	Daily	Avoid Haemolysis, lipaemia and exposure to air. Small serum volume may affect results.	Spectrophotometry	24hrs	7days	N/A
BODY FLUID BIOCHEMISTRY (LDH,	Aspirate (Please	1ml	24hrs	Daily	Aspirate must be collected in flouride	Spectrophotometry	24hrs	7days	N/A



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Glucose, Total Protein)	indicate site of effusion)				tube because of glucose test.				
CORRECTED CALCIUM (CALCIUM + ALBUMIN)	Serum	1ml	24hrs	Daily	Avoid Haemolysis and lipaemia. Do not apply tourniquet for too long.	Spectrophotometry	24hrs	22 days	1 year
CALCIUM in Urine	24hr acidified Urine	10ml	24hrs	Tue & Fri	24-hour urine collection with preservative (HCl). Please indicate urine volume if aliquots will be sent. Pre-acidified gallons are available in the lab.	Spectrophotometry	24hrs	7 days	N/A
TOTAL CHOLESTEROL	Serum	1ml	24hrs	Daily	Avoid Lipaemia. Avoid icteric samples	Spectrophotometry	24hrs	7 days	N/A
CREATININE KINASE (CK)	Serum	1ml	3hrs	Daily	Avoid Haemolysis and lipaemia	Spectrophotometry	4hrs	8-12hrs	N/A
CREATININE	Serum	1ml	24hrs	Daily	Avoid Haemolysis and lipaemia	Spectrophotometry	24hrs	7 days	N/A
CREATININE in urine	24hr Urine/ Random (Spot) Urine	10ml	Batched	Tue & Fri	24-hour urine collection with or without acid. Please indicate urine volume if aliquots	Spectrophotometry	24hrs	7 days	N/A



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					will be sent. Urine collection gallons are available in the lab.				
C-REACTIVE PROTEIN	Serum	1ml	24hrs	Daily	Avoid Haemolysed and lipaemia	Spectrophotometry	24hrs	2months	N/A
DIRECT BILIRUBIN (D-Bil)	Serum	1ml	24hrs	Daily	Keep away from light and avoid haemolysis and lipaemia	Spectrophotometry	24hrs	7 days	N/A
GAMMA GLUTAMYL TRANSFERASE (GGT)	Serum	1ml	24hrs	Daily	Avoid haemolysis and lipaemia	Spectrophotometry	24hrs	7 days	N/A
HBA1C	EDTA whole blood	2ml	24hrs	Daily	Avoid blood clots	Spectrophotometry	24hrs	7 days	DO NOT FREEZE
GLUCOSE (Also Glucose tolerance test and post-prandial)	FLOURIDE PLASMA	1ml	24hrs	Daily	Avoid haemolysed and lipaemic samples. For fasting samples, always use flouride tube.	Spectrophotometry	24hrs	7 days	1 month
GLUCOSE in urine	24hr Urine/ Random (Spot) Urine	10ml	Batched	Tue & Fri	24-hour urine collection with or without acid. Please indicate urine volume if aliquots will be sent. Urine collection gallons are available in the lab.	Spectrophotometry	24hrs	7 days	N/A
HDL CHOLESTEROL	Serum	1ml	24hrs	Daily	Avoid haemolysis and lipaemia	Spectrophotometry	8hrs	7 days	3 months
IRON	Serum	1ml	24hrs	Daily	Avoid haemolysed, icteric and lipaemic samples	Spectrophotometry	24hrs	7 days	N/A
LACTATE DEHYDROGENASE	Serum	1ml	24hrs	Daily	Avoid haemolysed and lipaemic	Spectrophotometry	24hrs	7days	N/A

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(LDH)					samples.				
MAGNESIUM	Serum	1ml	24hrs	Daily	Avoid haemolysed and lipaemic samples	Spectrophotometry	24hrs	7 days	N/A
MAGNESIUM in urine	24hr acidified Urine	10ml	Batched	Tue & Fri	24-hour urine collection with or without acid. Please indicate urine volume if aliquots will be sent. Urine collection gallons are available in the lab.	Spectrophotometry	24hrs	7 days	N/A
PHOSPHATE	Serum	1ml	24hrs	Daily	Avoid haemolysed and lipaemic samples	Spectrometry	24hrs	7 days	N/A
PHOSPHATE in urine	24hr acidified Urine	10ml	Batched	Tue & Fri	24-hour urine collection with acid (HCl). Please indicate urine volume if aliquots will be sent. Pre-acidified urine collection gallons are available in the lab.	Spectrophotometry	24hrs	7 days	N/A
TOTAL BILIRUBIN	Serum	1ml	24hrs	Daily	Keep away from light and avoid haemolysis and lipaemia	Spectrometry	24hrs	4 days	N/A
TOTAL PROTEIN	Serum	1ml	24hrs	Daily	Avoid haemolysis and lipaemia	Spectrometry	24hrs	7 days	N/A





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PROTEIN in urine (Total protein, albumin)	24hr Urine/ Random (Spot) Urine	10ml	Batched	Tue & Fri	24-hour urine urine collection without acid. Please indicate urine volume if aliquots will be sent. Urine collection gallons are available in the lab.	Spectrophotometry	24hrs	7 days	N/A
TRIGLYCERIDE	Serum	1ml	24hrs	Daily	Avoid haemolysis and lipaemia	Spectrophotometry	24hrs	7 days	N/A
UREA	Serum	1ml	24hrs	Daily	Fasting sample recommended. Avoid haemolysed samples. Avoid icteric samples. Avoid lipaemic samples.	Spectrophotometry	24hrs	7 days	N/A
UREA in urine	24hr Urine/ Random (Spot) Urine	10ml	Batched	Tue & Fri	24-hour urine urine collection without acid. Please indicate urine volume if aliquots will be sent. Urine collection gallons are available in the lab.	Spectrophotometry	24hrs	7 days	N/A



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URIC ACID	Serum	1ml	24hrs	Daily	Avoid haemolysed and icteric samples	Spectrophotometry	24hrs	7 days	N/A
URIC ACID in Urine	24hr Urine/ Random (Spot) Urine	10ml	Batched	Tue & Fri	24-hour urine urine collection with or without acid. Please indicate urine volume if aliquots will be sent. Urine collection gallons are available in the lab.	Spectrophotometry	24hrs	7 days	N/A
CSF BIOCHEMISTRY <i>(total protein and glucose)</i>	CSF	1ml	24hrs	Daily	Avoid haemolysed samples	Spectrophotometry	4hrs	2 days	N/A
ELECTROLYTES	Serum	1ml	24hrs	Daily	Avoid haemolysed samples	Spectrophotometry	24hrs	7 days	N/A
ELECTROLYTES in urine	24hr Urine/ Random (Spot) Urine	10ml	Batched	Tue & Fri	24-hour urine urine collection without acid. Please indicate urine volume if aliquots will be sent. Urine collection gallons are available in the lab.	Spectrophotometry	24hrs	7 days	N/A
RHEUMATOID FACTOR (RF)	Serum	1ml	24hrs	Daily	Avoid haemolysed and lipaemic samples	Spectrophotometry	24hrs	8 days	3 months



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<b>IMMUNOLOGY</b>									
TEST NAME	SAMPLE	VOLUME	TAT	DAYS OF ANALYSIS	SPECIAL REMARKS	METHOD	ROOM TEMP.	FRIDGE TEMP. (2 – 8 °C)	FROZEN
CREATINE KINASE-MB (CK-MB)	Serum	1ml	3hrs	Daily	Avoid haemolysed and lipaemic samples	ECLIA	3hrs	12hrs	3 months
HEPATITIS B core Abs (IgG + IgM combo)	Serum	1ml	Batched	Tuesdays/ Fridays	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	14 days	3 months
HEPATITIS B core IgM	Serum	1ml	Batched	Tuesdays/ Fridays	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	6 days	3 months
HEPATITIS B e ANTIBODY (HBeAb)	Serum	1ml	Batched	Tuesdays/ Fridays	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	14 days	3 months
HEPATITIS B e ANTIGEN (HBeAg)	Serum	1ml	Batched	Tuesdays/ Fridays	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	11 days	3 months
HEPATITIS B SURFACE ANTIBODY (Anti-HBs)	Serum	1ml	Batched	Tuesdays/ Fridays	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	6 days	3 months
HEPATITIS B SURFACE ANTIGEN (HBsAg)	Serum	1ml	24hrs	Daily ( <i>Except weekends and holidays</i> )	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	5 days	3 months
HBSAG CONFIRMATORY	Serum	1ml	24hrs	Daily ( <i>Except weekends and holidays</i> )	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	5 days	3 months



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HEPATITIS C ANTIBODY (Anti-HCV)	Serum	1ml	24hrs	Daily ( <i>Except weekends and holidays</i> )	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	14 days	3 months
4 <sup>th</sup> GENERATION HIV (ANTI HIV 1/2 (P24))	Serum	1ml	24hrs	Daily ( <i>Except weekends and holidays</i> )	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	4 weeks	3 months
CARCINOEMBRYONIC ANTIGEN (CEA)	Serum	1ml	Batched	Tuesdays/ Fridays	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	7 days	6 months
PROSTATE-SPECIFIC ANTIGEN TOTAL (PSA)	Serum	1ml	24hrs	Daily ( <i>Except weekends and holidays</i> )	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	5 days	6 months
HIGH-SENSITIVITY TROPONIN T (HS-Trop T)	Serum	1ml	3hrs	Daily	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	24hrs	12 months
TROPONIN I (Trop I)	Serum	1ml	3hrs	Daily	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	24hrs	12 months
FERRITIN	Serum	1ml	Batched	Tuesdays/ Fridays	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	7 days	12 months
THYROID-STIMULATING HORMONE (TSH)	Serum	1ml	24hrs	Daily ( <i>Except weekends and holidays</i> )	Keep away from light and avoid haemolysis	ECLIA	24hrs	7 days	1 month
FREE TRIIODOTHYRONINE	Serum	1ml	24hrs	Daily ( <i>Except</i> )	Avoid haemolysed and lipaemic	ECLIA	24hrs	7 days	1 month



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(FT3)				<i>weekends and holidays)</i>	samples				
FREE THYROXINE (FT4)	Serum	1ml	24hrs	Daily ( <i>Except weekends and holidays)</i>	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	7 days	1 month
ALPHA-FETOPROTEIN (AFP)	Serum	1ml	Batched	Tuesdays/ Fridays	Avoid haemolysed and lipaemic samples. Please indicate for Fasting and non-fasting samples.	ECLIA	24hrs	24hrs	6 months
CA-125	Serum	1ml	Batched	Tuesdays/ Fridays	Avoid haemolysed and lipaemic samples. Please indicate for Fasting and non-fasting samples.	ECLIA	24hrs	24hrs	6 months
VITAMIN B12	Serum	1ml	Batched	Tuesdays/ Fridays	Avoid haemolysed and lipaemic samples. Please indicate for Fasting and non-fasting samples.	ECLIA	24hrs	3 days	6 months
VITAMIN D (25-OH)	Serum	1ml	Batched	Tuesdays/ Fridays	Avoid haemolysed and lipaemic samples. Please indicate for Fasting and non-fasting samples.	ECLIA	24hrs	3 days	6 months
LUTEINIZING HORMONE (LH)	Serum	1ml	Batched	Mondays/ Thursdays	Avoid haemolysed and lipaemic	ECLIA	24hrs	14 days	6 months



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					samples				
PROGESTERONE	Serum	1ml	Batched	Mondays/T hursdays	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	5 days	6 months
PROLACTIN	Serum	1ml	Batched	Mondays/T hursdays	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	14 days	6 months
ESTRADIOL (E2)	Serum	1ml	Batched	Mondays/T hursdays	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	2 days	6 months
FOLLICLE- STIMULATING HORMONE (FSH)	Serum	1ml	Batched	Mondays/T hursdays	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	14 days	6 months
BETA-HUMAN CHORIONIC GONADOTROPIN (B- hCG)	Serum	1ml	3hrs	Daily	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	3 days	12 months
D-DIMER	Li-Heparin	1ml	3hrs	Daily	Avoid clotted samples	Immunochromatogr aphy	8hrs	N/A	N/A
N-TERMINAL PRO B- TYPE NATRIURETIC PEPTIDE (PRO BNP)	Li-Heparin	1ml	3hrs	Daily	Avoid clotted samples	Immunochromatogr aphy	8hrs	N/A	N/A
TESTOSTERONE	Serum	1ml	Batched	Mondays/ Wednesda ys/Fridays	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	2 days	6 months
PARATHYROID HORMONE (PTH)	Serum	1ml	Batched	Tuesdays/ Fridays	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	2 days	6 months



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<b>SEROLOGY</b>									
TEST NAME	SAMPLE	VOLUME	TAT	DAYS OF ANALYSIS	SPECIAL REMARKS	METHOD	ROOM TEMP.	FRIDGE TEMP. (2 – 8 °C)	FROZEN
TYPHOID ANTIBODY SCREEN	Serum	1ml	24hrs	Daily	Avoid haemolysed and lipaemic samples	Immunochromatography	12hrs	48hrs	6 weeks
RAPID PLASMA REAGIN (RPR)	Serum	1ml	24hrs	Daily	Avoid haemolysed and lipaemic samples	Agglutination	12hrs	48hrs	1 year
TREPONEMA PALLIDUM HAEMAGGLUTINATION ASSAY (TPHA)	Serum	1ml	24hrs	Daily	Avoid haemolysed and lipaemic samples	Haemagglutination	12hrs	48hrs	1 year
PREGNANCY TEST	Serum	1ml	24hrs	Daily	Avoid haemolysed and lipaemic samples	Immunochromatography	12hrs	2 days	6 weeks



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Revision:06

Issue Date: 01.08.2023

Author: Michael Ackah

Authorized by: Daniel Appoh

TEST PANELS	SAMPLE	VOLUME	TAT	DAYS OF ANALYSIS	SPECIAL REMARKS	METHOD	ROOM TEMP.	FRIDGE TEMP. (2 – 8 °C)	FROZEN
<b>MOLECULAR BIOLOGY</b>									
TEST PANELS	SAMPLE	VOLUME	TAT	DAYS OF ANALYSIS	SPECIAL REMARKS	METHOD	ROOM TEMP.	FRIDGE TEMP. (2 – 8 °C)	FROZEN
HEP B Viral load	EDTA Plasma	1ml	Batched (48 hrs)	Mon & Thursday	Avoid haemolysed and lipaemic samples	qPCR	DO NOT STORE AT ROOM TEMP	7 days	6 months
HEP C Viral load	EDTA Plasma	1ml	Batched	Wednesdays	Avoid haemolysed and lipaemic samples	qPCR	DO NOT STORE AT ROOM TEMP	DO NOT STORE AT FRIDGE TEMPERATURE	6 months
HPV PCR and Genotyping	Exfoliated Cells from females' cervix in liquid based cytology vessel	1ml	Batched	Fridays	Avoid sample collection during menstrual period or 48 hrs after sex, vaginal douching or intra-vaginal drugs intake	PCR	12Hrs	4 days	6 months
COVID 19 PCR	Nasopharyngeal or oropharyngeal swab	Dry swab or 1ml sample storage reagent	12hrs-24hrs	Daily	Avoid swabbing saliva or phlegms	PCR	6Hrs	24Hrs	10 days





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<b>MICROBIOLOGY</b>									
TEST NAME	SAMPLE	VOLUME	TAT	DAYS OF ANALYSIS	SPECIAL REMARKS	METHOD	ROOM TEMP.	FRIDGE TEMP. (2 – 8 °C)	FROZEN
FAECAL OCCULT BLOOD	Stool	Grape size	24hrs	Daily	Patient should not collect samples during their menstrual period, if they have bleeding haemorrhoids, blood in urine or if they have strained bowel movement.	Immunochromatography	DO NOT STORE AT ROOM TEMP.	7 DAYS	6 months
HIGH VAGINAL SWAB MICROSCOPY, CULTURE AND SENSITIVITY	HVS swab in transport medium	N/A	4days	Daily	Swabs should be kept transport medium.	Microscopy, Culture and Sensitivity	24hrs	48HRS	DO not freeze
SEMEN ANALYSIS <i>(Not accredited)</i>	Semen	N/A	4days	Daily	Sample should be kept close to body temperature and reach the lab within 1hour. Specialized form with details required. Please consult the lab.	Microscopy, Leucoscreen	DO NOT STORE AT ROOM TEMP.	DO NOT REFRIGERATE	DO NOT FREEZE
URINE ROUTINE EXAM	Urine	10ml	24hours	Daily	Midstream urine only	Flow cytometry, Reflectance photometry, Microscopy	4hours	24hours	DO NOT FREEZE
STOOL ROUTINE EXAM	Stool	Grape size	24hours	Daily	Liquid stool samples should be delivered within an hour of	Microscopy	DO NOT STORE AT	24-48hours	DO NOT FREEZE



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					collection.		ROOM TEMP.		
URINE BENCE JONES PROTEIN ( <i>Not accredited</i> )	Urine	10ml	24hours	Daily	N/A		DO NOT STORE AT ROOM TEMP.	N/A	DO NOT FREEZE
DRUG SCREEN	Urine	10ml	3hours	Daily	Sample should be produced at our facility under staff supervision. Otherwise, please indicate that sample collection was collected under supervision with name and signature of responsible staff.	Immunochromatography	24hrs	1 week	1 month
STOOL H. PYLORI ANTIGEN	Stool	Grape size	24hours	Daily	N/A	Immunochromatography	DO NOT STORE AT ROOM TEMP.	24-48hours	1year
URINE BILHARZIA SCREEN	Urine	10ml	24hours	Daily	Terminal urine sample	Microscopy	3hours	24hours	DO NOT FREEZE
MANTOUX	N/A	N/A	72hours	Daily	N/A	-	N/A	N/A	N/A
SEMEN CULTURE	Semen	>1ml	4days	Daily	Sample should be kept close to body temperature and reach the lab within 1hour. Specialized form with details required. Please	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24hrs	DO NOT FREEZE

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					consult the lab.				
WOUND CULTURE	Swab in transport medium	N/A	4days	Daily	Swabs should be kept in transport medium.	Culture and Sensitivity	2hours	24hours	DO NOT FREEZE
THROAT CULTURE	Swab in transport medium	N/A	4days	Daily	Swabs should be kept transport medium.	Culture and Sensitivity	2hours	24hours	DO NOT FREEZE
AFB EXAMINATION	Sputum, body fluids	N/A	24hours	Daily	Expectorated sample. Transport in collection container.	Microscopy	DO NOT STORE AT ROOM TEMP.	24hours	DO NOT FREEZE
SKIN SNIP	Skin snip	N/A	24hours	Daily	N/A	Culture and Sensitivity	N/A	N/A	N/A
ABDOMINAL ASPIRATE M/C/S	Aspirate	5-10mls	4days	Daily	Transport in sterile container	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24hours	DO NOT FREEZE
ABSCCESS ASPIRATE M/C/S	Aspirate	5-10mls	4days	Daily	Transport in sterile container	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24hours	DO NOT FREEZE
AMNIOTIC FLUID M/C/S	Aspirate	5-10mls	4days	Daily	Transport in sterile container	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24hours	DO NOT FREEZE
AQUEOUS/VITREOUS HUMOUR M/C/S	Aspirate	5-10mls	4days	Daily	Transport in sterile container	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24hours	DO NOT FREEZE

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ASCITIC FLUID MICROSCOPY/CULTURE/SENSITIVITY	Aspirate	5-10mls	4days	Daily	Transport in sterile container	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24hours	DO NOT FREEZE
BILE MICROSCOPY/CULTURE/SENSITIVITY	Aspirate	5-10mls	4days	Daily	Transport in sterile container	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24hours	DO NOT FREEZE
BLOOD CULTURE	Blood in culture bottle	8 ml for adults and at least 5ml for paedics	7days.( 2days for interim report	Daily	Disinfect skin appropriately. Draw blood cultures prior to drawing other blood samples. Do not keep in fridge or freeze.	Culture and Sensitivity	24hours	DO NOT REFRIGERATE	DO NOT FREEZE
BRONCHIAL WASH MICROSCOPY/CULTURE/SENSITIVITY	Aspirate	5-10ml	4days	Daily	Transport in sterile container	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24hours	DO NOT FREEZE
BRONCHOALVEOLAR LAVAGE (BAL) M/C/S	Aspirate	5-10ml	4days	Daily	Transport in a sterile container immediately at ambient temperature.	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24hours	DO NOT FREEZE
Concentrated stool for ova and cysts of parasite	Stool	Grape size	24hours	Daily	Liquid stool samples should be delivered within an hour of collection.	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24-48hours	DO NOT FREEZE
CONJUNCTIVAL SWAB MICROSCOPY/CULTURE	Swab in transport	N/A	4days	Daily	Swabs should be kept transport	Culture and Sensitivity	24hours	48hours	DO NOT FREEZE



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RE/SENSITIVITY	medium				medium.				
CSF CULTURE AND SENSITIVITY	CSF	1-5mls	4days	Daily	Transport in sterile container, Do not refrigerate	Culture and Sensitivity	18hours	DO NOT REFRIGERATE	DO NOT FREEZE
EAR SWAB MICROSCOPY/CULTURE/SENSITIVITY	Swab in transport medium	N/A	4days	Daily	Swabs should be kept transport medium.	Culture and Sensitivity	24hours	48hours	DO NOT FREEZE
ENDOCERVICAL SWAB MICROSCOPY/CULTURE/SENSITIVITY	Swab in transport medium	N/A	4days	Daily	Swabs should be kept transport medium.	Culture and Sensitivity	24hours	48hours	DO NOT FREEZE
EYE SWAB MICROSCOPY/CULTURE/SENSITIVITY	Swab in transport medium	N/A	4days	Daily	Swabs should be kept transport medium.	Culture and Sensitivity	2hours	48hours	DO NOT FREEZE
FINE NEEDLE ASPIRATE(FNA) M/C/S	Aspirate	N/A	4days	Daily	N/A	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24hours	DO NOT FREEZE
FUNGAL SMEAR (KOH) MICROSCOPY	Scrapping from site	N/A	24hours	Daily	N/A	Culture and Sensitivity	STORE AT ROOM TEMP	DO NOT REFRIGERATE	DO NOT FREEZE
HVS MICROSCOPY/CULTURE/SENSITIVITY	HVS swab in transport medium	N/A	4days	Daily	Swabs should be kept transport medium.	Culture and Sensitivity	24hrs*	48HRS*	DO not freeze
INTRA-OCULAR SWAB MICROSCOPY/CULTURE/SENSITIVITY	Swab in transport medium	N/A	4days	Daily	Swabs should be kept transport medium.	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24hours	N/A
JOINT ASPIRATE MICROSCOPY/CULTURE	Aspirate	5-10ml	4days	Daily	Transport in sterile container	Culture and Sensitivity	DO NOT STORE	24hours	DO NOT FREEZE



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RE/SENSITIVITY							AT ROOM TEMP.		
KNEE ASPIRATE MICROSCOPY/CULTURE/SENSITIVITY	Aspirate	5-10ml	4days	Daily	Transport in sterile container	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24hours	DO NOT FREEZE
LUNG MASS BIOPSY MICROSCOPY/CULTURE/SENSITIVITY	Lung mass biopsy	N/A	4days	Daily	Transport in sterile container	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24hours	DO NOT FREEZE
LYMPH NODE BIOPSY MICROSCOPY/CULTURE/SENSITIVITY	Lymph node biopsy	N/A	4days	Daily	Transport in sterile container	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24hours	DO NOT FREEZE
NAIL CLIPPINGS FUNGAL CULTURE	Nail clippings	N/A	14days	Daily	Transport in a dry sterile container immediately at ambient temperature.	Culture and Sensitivity	24hours	N/A	N/A
NASAL SWAB SCREEN FOR S. AUREUS C/S	Swab in transport medium	N/A	4days	Daily	Swabs should be kept transport medium.	Culture and Sensitivity	2hours	24hours	DO NOT FREEZE
OVARIAN ASPIRATE MICROSCOPY/CULTURE/SENSITIVITY	Aspirate	N/A	4days	Daily	Transport in sterile container	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24hours	DO NOT FREEZE
PENILE SWAB MICROSCOPY/CULTURE/SENSITIVITY	Swab in transport medium	N/A	4days	Daily	Swabs should be kept transport medium.	Culture and Sensitivity	2hours	24hours	DO NOT FREEZE



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PERICARDIAL FLUID MICROSCOPY/CULTURE/SENSITIVITY	Aspirate	5-10mls	4days	Daily	Transport in sterile container	Culture and Sensitivity	2hours	24hours	DO NOT FREEZE
PERITONEAL FLUID MICROSCOPY/CULTURE/SENSITIVITY	Aspirate	5-10mls	4days	Daily	Transport in sterile container	Culture and Sensitivity	2hours	24hours	DO NOT FREEZE
PLEURAL FLUID MICROSCOPY/CULTURE/SENSITIVITY	Aspirate	5-10mls	4days	Daily	Transport in sterile container	Culture and Sensitivity	2hours	24hours	DO NOT FREEZE
SCALP SCRAPPINGS FUNGAL CULTURE	Scrapping from site	N/A	14days	Daily	Transport in a dry sterile container immediately at ambient temperature.	Culture and Sensitivity	24hours	N/A	N/A
SKIN SCRAPPINGS FUNGAL CULTURE	Scrapping from site	N/A	14days	Daily	Transport in a dry sterile container immediately at ambient temperature.	Culture and Sensitivity	24hours	N/A	N/A
SPUTUM MICROSCOPY/CULTURE/SENSITIVITY	Sputum	N/A	4days	Daily	Expectorated sample in sterile container	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24hours	DO NOT FREEZE
STAINING FOR CRYPTOSPORIDIUM	Stool	Grape size	24hours	Daily	Liquid stool samples should be delivered within an hour of collection.	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24-48hours	DO NOT FREEZE
SYNOVIAL FLUID MICROSCOPY/CULTURE/SENSITIVITY	Aspirate	N/A	4days	Daily	Transport in sterile container	Culture and Sensitivity	2hours	24hours	DO NOT FREEZE
TRACHEAL ASPIRATE MICROSCOPY/CULTURE	Aspirate	5-10ml	4days	Daily	Transport in sterile container	Culture and Sensitivity	2hours	24hours	DO NOT FREEZE



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RE/SENSITIVITY									
URETHRAL SWAB MICROSCOPY/CULTURE/RE/SENSITIVITY	Swab in transport medium	N/A	4days	Daily	Swabs should be kept transport medium.	Culture and Sensitivity	2hours	24hours	DO NOT FREEZE
WOUND SWAB MICROSCOPY/CULTURE/RE/SENSITIVITY	Swab in transport medium	N/A	4days	Daily	Swabs should be kept transport medium.	Culture and Sensitivity	24hrs	48HRS	DO NOT FREEZE

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Revision #	Revised by	Reviewed by	Date	Nature of revision	Supersedes
01	Michael Ackah	<b>Daniel Appoh</b>	01.01.2021	Original Version	
02	Michael Ackah/ Benjamin Amuzu	Daniel Appoh	14.05.2021	Sample type for D-dimer and Pro-BnP corrected.	<b>Rev 01</b>
03	Michael Ackah	Daniel Appoh	14.07.2021	CD4/CD8 is currently on hold.	<b>Rev 02</b>
04	Michael Ackah	Daniel Appoh	22.03.2022	CD4/CD8 is currently unavailable. The following tests have been moved to the Sendaways test catalogue: (Vitamin D(25-OH), Vitamin B12, AFP, Ca-125, IgE and Folic Acid)	<b>Rev 03</b>
05	Michael Ackah	Daniel Appoh	23.01.2023	The following tests are now being analysed in-house: Vitamin D(25-OH), Vitamin B12, AFP, and CA-125. Also included is the molecular department.	<b>Rev 04</b>
06	Michael Ackah	Daniel Appoh	01.08.2023	HPV PCR and Genotyping and Parathyroid hormone have been added to the Immunology department	<b>Rev 05</b>