

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

Residual Risk Statement

Despite the implementation of comprehensive risk control measures—including engineering controls, administrative procedures, and the use of personal protective equipment—some residual risks remain inherent to medical laboratory operations. These residual risks include, but are not limited to:

- *Occupational exposure to biological agents during specimen handling and equipment maintenance*
- *Diagnostic uncertainty, such as false-negative or false-positive results, despite validated testing methods*
- *Instrument malfunctions or power failures that may impact sample integrity*
- *Human error, including sample mislabelling or incorrect data entry, even with double-check systems in place*

The laboratory maintains a continuous quality improvement program, incident reporting system, and ongoing staff training to monitor and reduce these residual risks over time

TEST PANELS	SAMPLE	VOLUME	TAT	DAYS OF ANALYSIS	SPECIAL REMARKS	METHOD	ROOM TEMP.	FRIDGE TEMP. (2 – 8 °C)/ Sample stability for add-on	FROZEN
LIVER FUNCTION TESTS (TBIL, DBIL, ALP,GGT, ALT ,AST, TP & ALB)	Serum	1ml	6-12hrs	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	6-12hrs	Daily	Avoid haemolysed and icteric samples	Spectrophotometry	24hrs	7 days	14 days
FULL LIPID PROFILE (TOTAL CHOLESTEROL, TRIGLYCERIDES, LDL & HDL)	Serum	1ml	6-12hrs	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	6-12hrs	Daily	Avoid haemolysed sample.	ECLIA	8hrs	7 days	30 days
HEPATITIS B PROFILE TEST (HEP. B SURFACE ANTIGEN, HEP. B SURFACE ANTIBODY, HEP. B CORE ANTIBODIES, HEP. B CORE IGM, HEP. B e ANTIGEN, HEP. B e ANTIBODY)	Serum	1ml	Batched	(Tuesdays/ Fridays)	Avoid hemolysed samples	ECLIA		14days	30days



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Issue Date:11.04.2025

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Authorized by: Daniel Appoh

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HEMATOLOGY									
TEST NAME	SAMPLE	VOLUME	TAT	DAYS OF ANALYSIS	SPECIAL REMARKS	METHOD	ROOM TEMP.	(2 – 8 °C)/Stability for Add-on	FROZEN
FULL BLOOD COUNT (FBC)	EDTA whole blood	4ml	6-12hrs	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	6-12hrs	Daily	Avoid blood clots	Flow cytometry	4hrs	24hrs	DO NOT FREEZE
BLOOD GROUP	EDTA whole blood	2ml	6-12hrs	Daily	Avoid blood clots	Agglutination	24hrs	3days	DO NOT FREEZE
GLUCOSE-6-PHOSPHATE DEHYDROGENASE (G6PD)	EDTA whole blood	4ml	6-12hrs	Daily	Avoid blood clots	Methaemoglobin reduction	4hrs	3days	DO NOT FREEZE
HEMOGLOBIN - ELECTROPHORESIS (Quantitative)	EDTA whole blood	4ml	Batched	Days of Tuesdays/ Fridays	Avoid blood clots	Capillary Electrophoresis	4hrs	7 days	DO NOT FREEZE
HEMOGLOBIN ELECTROPHORESIS (Qualitative)	EDTA whole blood	2ml	6-12hrs	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



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MALARIA ANTIGEN TEST	EDTA whole blood	1ml	3hrs	Daily	Avoid blood clots	Immunochromatography	24hrs	24hrs	DO NOT FREEZE
BLOOD PARASITE MICROSCOPY	EDTA whole blood	1ml	3hrs	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	6-12hrs	Daily	Avoid blood clots	Westegren	4hrs	24hrs	DO NOT FREEZE



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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

BIOCHEMISTRY

TEST NAME	SAMPLE	VOLUME	TAT	DAYS OF ANALYSIS	SPECIAL REMARKS	METHOD	ROOM TEMP.	(2 – 8 °C)/ Sample stability for Add-on	FROZEN
TOTAL IRON BINDING CAPACITY (UIBC + IRON)	Serum	1ml	6-12hrs	Daily	Avoid Haemolysis. Fasting samples preferable.	Spectrophotometry	24hrs	3weeks	N/A
G6PD QUANTITATIVE	EDTA whole blood	4ml	6-12hrs		Avoid clotted sample.		24hrs	1 week	Unacceptable

TEST PANELS	SAMPLE	VOLUME	TAT	DAYS OF ANALYSIS	SPECIAL REMARKS	METHOD	ROOM TEMP.	FRIDGE TEMP. (2 – 8 °C)/ Sample stability for add-on	FROZEN
ALBUMIN	Serum	1ml	6-12hrs	Daily	Avoid Haemolysis and lipaemia	Spectrophotometry	24hrs	30 days	N/A
ALKALINE PHOSPHATASE (ALP)	Serum	1ml	6-12hrs	Daily	Avoid Haemolysis and lipaemia	Spectrophotometry	24hrs	7days	N/A
ALANINE AMINORANSFERASE (ALT)	Serum	1ml	6-12hrs	Daily	Avoid Haemolysis and lipaemia	Spectrophotometry	24hrs	7days	N/A
ALPHA-AMYLASE	Serum	1ml	6-12hrs	Daily	Avoid Haemolysis and lipaemia	Spectrophotometry	24hrs	7days	N/A
ALPHA-AMYLASE in urine	Random (Spot) Urine	10 ml	6-72hrs	Tue & Fri	Collect urine without using preservatives (HCl)	Spectrophotometry	24hrs	10 days	N/A
ASPARTATE AMINOTRANFERASE (AST)	Serum	1ml	6-12hrs	Daily	Avoid contamination with saliva. Avoid Haemolysis and lipaemia	Spectrophotometry	24hrs	7days	N/A
SERUM BICARBONATE (CO2)	Serum	1ml	6-12hrs	Daily	Avoid Haemolysis, lipaemia and exposure to air. Small serum volume may affect results.	Spectrophotometry	24hrs	7days	N/A



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BODY FLUID BIOCHEMISTRY (LDH, Glucose, Total Protein)	Aspirate (Please indicate site of effusion)	1ml	6-12hrs	Daily	Aspirate must be collected in flouride tube because of glucose test.	Spectrophotometry	24hrs	7days	N/A
CORRECTED CALCIUM (CALCIUM + ALBUMIN)	Serum	1ml	6-12hrs	Daily	Avoid Haemolysis and lipaemia. Do not apply tourniquet	Spectrophotometry	24hrs	22 days	1 year
CALCIUM in Urine	24hr acidified Urine	10ml	6-72hrs	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	6-12hrs	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

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CREATININE	Serum	1ml	6-12hrs	Daily	Avoid Haemolysis and lipaemia	Spectrophotometry	24hrs	7 days	N/A
CREATININE in urine	24hr Urine/ Random (Spot) Urine	10ml	6-72hrs	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
C-REACTIVE PROTEIN	Serum	1ml	3hrs	Daily	Avoid Haemolysed and lipaemia	Spectrophotometry	24hrs	2months	N/A
DIRECT BILIRUBIN (D-Bil)	Serum	1ml	6-12hrs	Daily	Keep away from light and avoid haemolysis and lipaemia	Spectrophotometry	24hrs	7 days	N/A
GAMMA GLUTAMYL TRANSFERASE (GGT)	Serum	1ml	6-12hrs	Daily	Avoid haemolysis and lipaemia	Spectrophotometry	24hrs	7 days	N/A
HBA1C	EDTA whole blood	2ml	6-12hrs	Daily	Avoid blood clots	Spectrophotometry	24hrs	7 days	DO NOT FREEZE

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<p>GLUCOSE (Also Glucose tolerance test and post-prandial)</p> <p><i>Glucose levels in blood samples are subject to rapid decline due to glycolysis (which may result in falsely lowered glucose values by approx. 7% per hour), particularly if there is a delay in sample processing.</i></p> <p><i>To ensure accurate results:</i></p> <p>Process (separate serum and aliquot fluoride plasma) samples within 30 minutes of collection when possible.</p> <p>Refrigerate or transport samples promptly to minimize delays.</p>	Flouride plasma / serum	1ml	6-12hrs	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	6-72hrs	Tue & Fri	24-hour urine collection with or without acid. Please indicate urine volume if aliquots will be sent. Urine collection	Spectrophotometry	24hrs	7 days	N/A

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					gallons are available in the lab.				
HDL CHOLESTEROL	Serum	1ml	6-12hrs	Daily	Avoid haemolysis and lipaemia	Spectrophotometry	8hrs	7 days	3 months
IRON	Serum	1ml	6-12hrs	Daily	Avoid haemolysed, icteric and lipaemic samples	Spectrophotometry	24hrs	7 days	N/A
LACTATE DEHYDROGENASE (LDH)	Serum	1ml	6-12hrs	Daily	Avoid haemolysed and lipaemic samples.	Spectrophotometry	24hrs	7days	N/A
MAGNESIUM	Serum	1ml	6-12hrs	Daily	Avoid haemolysed and lipaemic samples	Spectrophotometry	24hrs	7 days	N/A
MAGNESIUM in urine	24hr acidified Urine	10ml	6-72hrs	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

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PHOSPHATE	Serum	1ml	6-12hrs	Daily	Avoid haemolysed and lipaemic samples	Spectrometry	24hrs	7 days	N/A
PHOSPHATE in urine	24hr acidified Urine	10ml	6-72hrs	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	6-12hrs	Daily	Keep away from light and avoid haemolysis and lipaemia	Spectrometry	24hrs	4 days	N/A
TOTAL PROTEIN	Serum	1ml	6-12hrs	Daily	Avoid haemolysis and lipaemia	Spectrometry	24hrs	7 days	N/A
PROTEIN in urine (Total protein, albumin)	24hr Urine/ Random (Spot) Urine	10ml	6-72hrs	Tue & Fri	24-hour urine urine collection without acid. Please indicate urine volume if	Spectrophotometry	24hrs	7 days	N/A

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					aliquots will be sent. Urine collection gallons are available in the lab.				
TRIGLYCERIDE	Serum	1ml	6-12hrs	Daily	Avoid haemolysis and lipaemia	Spectrophotometry	24hrs	7 days	N/A
UREA	Serum	1ml	6-12hrs	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	6-72hrs	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	6-12hrs	Daily	Avoid haemolysed and icteric samples	Spectrophotometry	24hrs	7 days	N/A
URIC ACID in Urine	24hr Urine/ Random (Spot) Urine	10ml	6-72hrs	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 proten and glucose</i>)	CSF	1ml	3hrs	Daily	Avoid haemolysed samples	Spectrophotometry	4hrs	2 days	N/A
ELECTROLYTES	Serum	1ml	6-12hrs	Daily	Avoid haemolysed samples	Spectrophotometry	24hrs	7 days	N/A
ELECTROLYTES in urine	24hr Urine/ Random (Spot) Urine	10ml	6-72hrs	Tue & Fri	24-hour urine urine collection without acid. Please indicate urine volume if aliquots will be sent. Urine	Spectrophotometry	24hrs	7 days	N/A



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					collection gallons are available in the lab.				
RHEUMATOID FACTOR (RF)	Serum	1ml	6-12hrs	Daily	Avoid haemolysed and lipaemic samples	Spectrophotometry	24hrs	8 days	3 months

IMMUNOLOGY

TEST NAME	SAMPLE	VOLUME	TAT	DAYS OF ANALYSIS	SPECIAL REMARKS	METHOD	ROOM TEMP.	(2 – 8 °C)/ Sample stability for add-on	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

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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	6-12hrs	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
HEPATITIS C ANTIBODY (Anti-HCV)	Serum	1ml	6-12hrs	Daily (<i>Except weekends and holidays</i>)	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	14 days	3 months
4 th GENERATION HIV (ANTI HIV 1/2 (P24)	Serum	1ml	6-12hrs	Daily (<i>Except weekends</i>)	Avoid haemolysed and	ECLIA	24hrs	4 weeks	3 months

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				<i>and holidays)</i>	lipaemic samples				
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	6-12hrs	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	6-12hrs	Daily (<i>Except weekends and holidays)</i>)	Keep away from light and avoid haemolysis	ECLIA	24hrs	7 days	1 month
FREE TRIIODOTHYRONINE (FT3)	Serum	1ml	6-12hrs	Daily (<i>Except</i>	Avoid haemolysed and	ECLIA	24hrs	7 days	1 month

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				<i>weekends and holidays)</i>	lipaemic samples				
FREE THYROXINE (FT4)	Serum	1ml	6-12hrs	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	ECLIA	24hrs	3 days	6 months

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					non-fasting samples.				
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/ hursdays	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	14 days	6 months
PROGESTERONE	Serum	1ml	Batched	Mondays/ hursdays	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	5 days	6 months
PROLACTIN	Serum	1ml	Batched	Mondays/ hursdays	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	14 days	6 months
ESTRADIOL (E2)	Serum	1ml	Batched	Mondays/ hursdays	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	2 days	6 months
FOLLICLE-STIMULATING HORMONE (FSH)	Serum	1ml	Batched	Mondays/ hursdays	Avoid haemolysed and lipaemic samples	ECLIA	24hrs	14 days	6 months



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Revision:08

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Author: Michael Ackah

Authorized by: Daniel Appoh

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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	Immunochromatography	8hrs	N/A	N/A
N-TERMINAL PRO B-TYPE NATRIURETIC PEPTIDE (PRO BNP)	Li-Heparin	1ml	3hrs	Daily	Avoid clotted samples	Immunochromatography	8hrs	N/A	N/A
TESTOSTERONE	Serum	1ml	Batched	Mondays/ Wednesdays/ 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
AMH	Serum	1ml	Batched	Mondays/ Thursdays	Avoid haemolysed and lipemic samples	ECLIA	24hrs	5 days	6 months
SEROLOGY									
TEST NAME	SAMPLE	VOLUME	TAT	DAYS OF ANALYSIS	SPECIAL REMARKS	METHOD	ROOM TEMP.	(2 – 8 °C)/ Sample stability	FROZEN

TEST PANELS	SAMPLE	VOLUME	TAT	DAYS OF ANALYSIS	SPECIAL REMARKS	METHOD	ROOM TEMP.	FRIDGE TEMP. (2 – 8 °C)/ Sample stability for add-on	FROZEN
								for add-on	
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
MOLECULAR BIOLOGY									
TEST PANELS	SAMPLE	VOLUME	TAT	DAYS OF ANALYSIS	SPECIAL REMARKS	METHOD	ROOM TEMP.	(2 – 8 °C)/ Sample stability for add-on	FROZEN
HEP B Viral load	EDTA Plasma	1ml	Batched (48 hrs)	Mondays, Wednesdays, Fridays	Avoid haemolysed and lipaemic samples	qPCR	DO NOT STORE AT ROOM TEMP	7 days	6 months

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HEP C Viral load	EDTA Plasma	1ml	Batched	Thursdays	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	1ml	Batched	Tuesdays	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
N. Gonorrhoea PCR	Urine and swab (Genetal tract secretion)	Swab or 2ml	Batched	Tuesdays	1.Patient is required not to urinate within two hrs before specimen collection 2. Patient should not have sex within 24hrs before	PCR	24HRS	120Hrs	6 months



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					speciimen collection				
C. Trichomatis PCR	Urine and Swab (genital tract secretion)	Swab or 2ml	Batched	Tuesdays	1.Patient is required not to urinate within two hrs before specimen collection 2. Patient should not have sex within 24hrs before speciimen collection	PCR	24Hrs	120Hrs	6months
HIV-1 VIRAL LOAD	EDTA plasma	1ml	Batched	Thursdays	Avoid haemolysed and lipaemic samples	qPCR	DO NOT STORE AT ROOM TEMP	DO NOT STORE AT FRIDGE TEMPERA TURE	3 months

MICROBIOLOGY

TEST NAME	SAMPLE	VOLUME	TAT	DAYS OF ANALYSIS	SPECIAL REMARKS	METHOD	ROOM TEMP.	(2 – 8 °C)/ Sample stability	FROZEN
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								for add-on	
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.	Immunochemistry	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 in 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 1 hour. Specialized form with details required. Please consult the lab.	Microscopy, Leucoscreen, Vital screen	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,	4hours	24hours	DO NOT FREEZE

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						Microscopy, Urine Dipstick(urine chemistry)			
STOOL ROUTINE EXAM	Stool	Grape size	24hours	Daily	Liquid stool samples should be delivered within an hour of collection.	Microscopy	DO NOT STORE AT ROOM TEMP.	24-48hours	DO NOT FREEZE
URINE BENICE JONES PROTEIN <i>(Not accredited)</i>	Urine	10ml	24hours	Daily	N/A	Urine Bence Jones protein precipitation test	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.	Immunochemistry	24hrs	1 week	1 month
STOOL H. PYLORI ANTIGEN	Stool	Grape size	24hours	Daily	N/A	Immunochemistry	DO NOT STORE AT ROOM TEMP.	24-48hours	1year



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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 1 hour. Specialized form with details required. Please consult the lab.	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24hrs	DO NOT FREEZE
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	24hours	DO NOT FREEZE

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							ROOM TEMP.		
ABSCESS 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
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.(2 days 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

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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/SENSITIVITY	Swab in transport medium	N/A		Daily	Swabs should be kept transport medium.	Culture and Sensitivity	24hours	48hours	DO NOT FREEZE
CSF CULTURE AND SENSITIVITY	CSF	1-5mls		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



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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/SENSITIVITY	Aspirate	5-10ml	4days	Daily	Transport in sterile container	Culture and Sensitivity	DO NOT STORE AT ROOM TEMP.	24hours	DO NOT FREEZE
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



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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
PERICARDIAL FLUID MICROSCOPY/CULTURE/SENSITIVITY	Aspirate	5-10mls	4days	Daily	Transport in sterile container	Culture and Sensitivity	2hours	24hours	DO NOT FREEZE



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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 Identification	24hours	N/A	N/A
SKIN SCRAPINGS FUNGAL CULTURE	Scrapping from site	N/A	14days	Daily	Transport in a dry sterile container immediately at ambient temperature.	Culture and Identification	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.	Modified ZN Staining	DO NOT STORE AT ROOM TEMP.	24-48hours	DO NOT FREEZE
STOOL CULTURE/SENSITIVITY	Stool	Grape size	4days	Daily	Transport in sterile container or Cary Blair	Culture and Sensitivity	2hours	48hours	DO NOT FREEZE



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					transport medium(container)				
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/SENSITIVITY	Aspirate	5-10ml	4days	Daily	Transport in sterile container	Culture and Sensitivity	2hours	24hours	DO NOT FREEZE
URETHRAL 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
URINE CULTURE	Midstream urine	10ml	3days	Daily	Midstream urine (preferably early morning urine)	Culture and Sensitivity	4hours	48hours	DO NOT FREEZE
WOUND SWAB MICROSCOPY/CULTURE/SENSITIVITY	Swab in transport medium	N/A	4days	Daily	Swabs should be kept transport medium.	Culture and Sensitivity	24hrs	48HRS	DO NOT FREEZE

Revision #	Revised by	Reviewed by	Date	Nature of revision	Supersedes
01	Michael Ackah	Daniel Appoh	01.01.2021	Original Version	

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02	Michael Ackah/ Benjamin Amuzu	Daniel Appoh	14.05.2021	Sample type for D-dimer and Pro-BnP corrected.	Rev 01
03	Michael Ackah	Daniel Appoh	14.07.2021	CD4/CD8 is currently on hold.	Rev 02
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)	Rev 03
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.	Rev 04
06	Michael Ackah	Daniel Appoh	01.08.2023	HPV PCR and Genotyping and Parathyroid hormone have been added to the Immunology department	Rev 05
07	Michael Ackah	Daniel Appoh	15.11.2024	Test Profile for Hepatitis B has been added to list of profile tests AMH is currently analysed in-house at Immunology HIV-1 viral load is currently analysed in-house at Molecular Days of analysis for HCV PCR and HBV PCR updated Sample stability conditions for add-on tests has been included All routine tests have TAT updated from 24 hours to 6 – 12 hours	Rev 06
08	Daniel Appoh	Michael Ackah	11.04.2025	Addition of a residual risk statement. Instructions on blood sample processing for glucose test has been added.	Rev 07