KENAS Delivering Trust | KENYA ACCREDITATION SERVICE

P. O. Box 47400 – 00100 | TEL. +254-20 484 0000 | Nairobi, Kenya

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SCHEDULE OF ACCREDITATION

AGC TENWEK HOSPITAL
(MAIN LABORATORY AND CARDIOTHORACIC CENTRE LABORATORY)

ISO 15189:2022

Medical Laboratory Number: **KENAS/ML/120**

PERMANENT ADDRESS OF LABORATORY

Tenwek Hospital & Cardiothoracic Centre

Bomet-Litein Road

Po Box: 39-20400

Telephone: +254 728 091 900

Email: lab.tenwek@tenwekhosp.org

Website: www.tenwekhosp.org

Laboratory Director:

Dr. Sylvester Kimutai

Dr. Carol Spears

Nominated Representatives:

Hillary Tonui

Kipkurui Ngeno

Approved by: _____

KENAS CEO/ Authorized Representative

Date: 18-SEP-2026

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SCHEDULE OF ACCREDITATION

AGC Tenwek Hospital -Main Laboratory

No	Medical Field	Examination Technique	Equipment	Specimen	Components / Analytes	Test Location
1	Haematology	Electrical Impedance, Flow Cytometry & Colorimetry	Cell-Dyn Ruby; Mindray BC-5310; URIT-6580	Whole Blood	Red Blood Cells (RBC) Haemoglobin (Hb) Platelets (PLT) White Blood Cells (WBC) • Neutrophils • Lymphocytes • Monocytes • Eosinophils • Basophils Mean Corpuscular Volume (MCV) Haematocrit (HCT) Red Cell Distribution Width (RDW)	Tenwek Hospital Main Laboratory
		Antigen-Antibody Agglutination & Crossmatching	Manual methods	Whole Blood	ABO Blood Grouping Rhesus (Rh) Factor Compatibility Testing (Crossmatch)	
		Photo-optical Clot Detection / Coagulometry	Pushkang MC-500 Automated Analyzer; HumaClot Junior	Citrated Blood / Plasma	Prothrombin Time (PT) Prothrombin Time Index (PTI) International Normalized Ratio (INR) Activated Partial Thromboplastin Time (aPTT)	
		Leishman-Stained Peripheral Blood Film Examination	Light Microscope / Manual	Whole Blood	Blood Cell Morphology	
		Erythrocyte Sedimentation	Manual	Whole Blood	Erythrocyte Sedimentation Rate (ESR)	

2	Clinical Chemistry	Photometric / Colorimetric / Potentiometric Measurements	Cobas Integra 400 Plus; Mindray BS-430	Serum / Plasma	Creatinine Urea Aspartate Aminotransferase (AST) Alanine Aminotransferase (ALT) Alkaline Phosphatase (ALP) Amylase Albumin Calcium Glucose Magnesium High-Density Lipoprotein (HDL) Low-Density Lipoprotein (LDL) Triglycerides Total Bilirubin Direct Bilirubin Total Cholesterol; Uric Acid Total Protein	Tenwek Hospital Main Laboratory
2	Clinical Chemistry	Electrochemical Analysis – Potentiometry, Amperometry & Conductometry	EDAN i15 Blood Gas Analyzer	Heparinised Whole Blood	pH Partial Pressure of Carbon Dioxide (pCO_2) Partial Pressure of Oxygen (pO_2)	
		Immunoturbidimetric Measurement	Goldsite GPP Analyzer	Whole Blood	Glycated Haemoglobin (HbA1c)	
		Ion-Selective Electrode (ISE)	Spectro Lyte; EDAN i15 Blood Gas Analyzer	Whole Blood / Serum, as applicable	Sodium (Na^+) Potassium (K^+) Chloride (Cl^-)	
3	Microbiology – Mycobacteriology	Auramine O-Stained Smear Microscopy	Fluorescence Microscope	Sputum	Acid-Fast Bacilli (AFB) / *Mycobacterium tuberculosis*	

		Ziehl-Neelsen-Stained Smear Microscopy	Light Microscope	Sputum	Acid-Fast Bacilli (AFB) / *Mycobacterium tuberculosis*	
		Cartridge-Based Nucleic Acid Amplification Test (CB-NAAT)	GeneXpert	Sputum	*Mycobacterium tuberculosis* Complex; Rifampicin Resistance	
	Microbiology – Bacteriology	Gram Staining,	Manual Methods	Urine; Stool; Pus/Wound Swabs; High Vaginal Swabs (HVS); Body Fluids	Gram-Positive/ Negative Bacteria	Tenwek Hospital Main Laboratory
		Culture	Mindray TDR-X30;		Pathogenic Bacterial Isolates;	
		Blood culture	BD BACTEC™	Blood	Pathogenic Bacteria	
		Antimicrobial Susceptibility Testing (AST)	VITEK	Cultures	Antimicrobial Susceptibility Profiles (Antibiograms)	
	Microbiology – Urinalysis	Chemical Reagent Strip Analysis / Dry Chemistry	Manual Dipstick / Reagent Strips	Urine	Blood/Haemoglobin Leukocytes Protein Glucose Bilirubin Urobilinogen Nitrite Ketones pH Specific Gravity	
		Wet Preparation Microscopy	Light Microscope	Urine	Blood Cells Epithelial Cells Casts Crystals Bacteria Yeast	
4	Immunology / Serology	Lateral Flow Immunochromatography	Rapid Test Strips	Plasma / Whole	Treponema *pallidum* (Syphilis) Antibodies;	

				Blood / Serum	*Cryptococcus neoformans* Antigen (CrAg)
		Lateral Flow Immunochromatography Electrochemiluminescence Immunoassay (ECLIA)	Rapid Test Strips Roche Cobas e411	Serum / Plasma / Whole Blood, as applicable	Hepatitis B Surface Antigen (HBsAg); Hepatitis C Virus (HCV) Antibodies Human Immunodeficiency Virus (HIV-1/2) Antibodies
		Electrochemiluminescence Immunoassay (ECLIA)	Snibe Maglumi X3	Serum	Free Triiodothyronine (FT3) Free Thyroxine (FT4) Thyroid-Stimulating Hormone (TSH) Prostate-Specific Antigen (PSA) Carcinoembryonic Antigen (CEA)
5	Parasitology	Giemsa-Stained Blood Film Microscopy	Light Microscope	Whole Blood	Malaria Parasites – Detection and Identification *Plasmodium* Species
		Stool Wet Preparation Microscopy	Light Microscope	Stool	Intestinal Parasites – Ova and Cysts Parasites

AGC Tenwek Hospital - Cardiothoracic Laboratory (CTC)

No	Medical Field	Examination Technique	Equipment	Specimen	Components / Analytes	Test Location
1	Haematology	Electrical Impedance, Flow Cytometry & Colorimetry	Mindray BC-760	Whole Blood	Red Blood Cells (RBC) Mean Corpuscular Haemoglobin (MCH) Mean Corpuscular Volume (MCV) Mean Corpuscular Haemoglobin Concentration (MCHC) Red Cell Distribution Width (RDW) Platelets; White Blood Cells (WBC) • Neutrophils	Cardiothoracic Laboratory (CTC)

					• Lymphocytes • Monocytes • Eosinophils • Basophils
		Antigen-Antibody Agglutination & Crossmatching	Manual Methods	Whole Blood	ABO Blood Grouping Rhesus (Rh) Blood Grouping Compatibility Testing (Crossmatch)
		Coagulometric / Photo-optical Clot Detection	HumaClot Junior	Citrated Blood / Plasma	Prothrombin Time (PT) Prothrombin Time Index (PTI) International Normalized Ratio (INR) Activated Partial Thromboplastin Time (aPTT)
		Leishman-Stained Peripheral Blood Film Examination	Manual / Light Microscope	Whole Blood	Blood Cell Morphology
		Erythrocyte Sedimentation	Manual	Whole Blood	Erythrocyte Sedimentation Rate (ESR)
2	Clinical Chemistry	Spectrophotometry / Photometry	Cobas c311	Serum	Creatinine Urea Aspartate Aminotransferase (AST) Alanine Aminotransferase (ALT) Alkaline Phosphatase (ALP) Gamma-Glutamyl Transferase (GGT) Total Bilirubin Direct Bilirubin Total Cholesterol High-Density Lipoprotein (HDL) Low-Density Lipoprotein (LDL) Triglycerides Glucose

					Uric Acid Total Protein Albumin Calcium Creatine Kinase (CK) Magnesium Amylase Lipase Phosphate Lactate Dehydrogenase (LDH)	
		Ion-Selective Electrode (ISE)	Spectro Lyte / EDAN i15	Whole Blood / Serum, as applicable	Potassium (K^+) Sodium (Na^+) Chloride (Cl^-)	
		Electrochemical Analysis – Potentiometry, Amperometry & Conductometry	EDAN i15 Blood Gas Analyser	Heparinised Whole Blood	pH Partial Pressure of Carbon Dioxide (pCO_2) Partial Pressure of Oxygen (pO_2)	POCT site at CCU 8 within Cardiothoracic centre
		Immunoturbidimetry	Goldsite GPP Analyzer	Whole Blood	Glycated Haemoglobin (HbA1c)	Cardiothoracic Laboratory (CTC)
3	Microbiology – Mycobacteriology	Auramine O-Stained Smear Microscopy	Fluorescence Microscope	Sputum	*Mycobacterium tuberculosis* – Acid-Fast Bacilli (AFB)	
		Ziehl-Neelsen-Stained Smear Microscopy	Light Microscope		*Mycobacterium tuberculosis* – Acid-Fast Bacilli (AFB)	
		Cartridge-Based Nucleic Acid Amplification Test (CB-NAAT)	GeneXpert		*Mycobacterium tuberculosis* complex; Rifampicin Resistance	
	Microbiology – Bacteriology	Gram Stains	Microscopt	Urine; Stool; Pus/Wound Swabs; High Vaginal Swabs (HVS);	Gram-Positive /Negative Bacteria	
		Culture	Mindray TDR-X30		Pathogenic Bacterial Isolates	

				Body Fluids		
		Blood culture	BD BACTEC™	Blood	Pathogenic Bacteria	
		Antimicrobial Susceptibility Testing (AST	VITEK / Manual Methods	Culture	Antimicrobial Susceptibility Profiles (Antibiograms)	
	Microbiology – Urinalysis	Chemical Reagent Strip Analysis / Dry Chemistry	Manual (Dipstick / Reagent Strips)	Urine	Blood Leukocytes Protein Glucose Bilirubin Urobilinogen Nitrite Ketones pH; Specific Gravity	
		Wet Preparation Microscopy	Light Microscope	Urine	Blood Cells Epithelial Cells Casts Crystals	Cardiothoracic Laboratory (CTC)
4	Immunology / Serology	Lateral Flow Immunochromatography	Rapid Test Strips	Plasma/ Whole Blood/ Serum	*Treponema pallidum* Antibodies (Syphilis) *Cryptococcus neoformans* Antigen (CrAg)	
		Lateral Flow Immunochromatography / Immunoassay	Rapid Test Strips / Roche Cobas e411	Serum / Plasma	Hepatitis B Surface Antigen (HBsAg) Hepatitis C Virus (HCV) Antibodies; Human Immunodeficiency Virus (HIV-1/2) Antibodies	
		Electrochemiluminescence Immunoassay (ECLIA)	Roche Cobas e411	Serum	Free Triiodothyronine (FT3) Free Thyroxine (FT4) Thyroid-Stimulating Hormone (TSH) Prostate-Specific Antigen (PSA)	

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5	Parasitology	Giemsa-Stained Blood Film Microscopy	Light Microscope	Whole Blood (EDTA)	Malaria Parasites – Detection and Identification; *Plasmodium* Species	
		Stool Wet Preparation Microscopy	Light Microscope	Stool	Intestinal Parasites – Ova, Cysts and Parasites Bacteria and yeast	

Accreditation History

Type	Decision Date	Effective Date	Expiry
Initial Accreditation	14-MAY-2020	14-MAY-2020	13-MAY-2024
Reaccreditation	25-APR-2024	25-APR-2024	12-MAY-2028
Extension of Site	18-SET-2026	18-SEP-2026	12-MAY-2028

This schedule is issued subject to the terms and conditions of KENAS Accreditation. It supersedes any other schedule(s) issued in the past

Approved by: _____ Date: 18-SEP-2026

KENAS CEO/ Authorized Representative