



# Certificate of Accreditation

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This is to certify that

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**EL-LAB (MEDICAL DIAGNOSTICS AND RESEARCH LIMITED)**

PLOT 603, S-CLOSE, 3RD AVENUE, FESTAC TOWN LAGOS

Has been assessed by the Nigeria National Accreditation System and meets the requirements of the International Standard

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**ISO 15189:2012**

with demonstrated technical competence in the field of

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**Medical Testing**

for the specific services listed on the approved Scope of Accreditation.

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On behalf of the Nigeria National Accreditation System:



Medical  
No. M 002

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Issue date: **January 26, 2021**  
Validity through: **January 25, 2023**

**Scope of Accreditation**

**Medical Laboratory**

**EL-LAB (MEDICAL DIAGNOSTICS AND RESEARCH LIMITED)**

PLOT 603, S-CLOSE, 3RD AVENUE, FESTAC TOWN LAGOS

**Schedule NO.: M 002**

**Issue No. 1: 26 01, 2021**

**Valid to : 25 01, 2023**

Type of Sample	Types of Tests	Equipment	Method Used
<b>CHEMISTRY</b>			
SERUM	ALBUMIN	ERBA XL-180	BCG
	ALKALINE PHOSPHATASE (ALP)	ERBA XL-180	Enzymatic
	ALANINE AMINO TRANSFERASE (ALT)	ERBA XL-180	Enzymatic
	ASPARTATE AMINO TRANSFERASE (AST)	ERBA XL-180	Enzymatic
	TOTAL CHOLESTEROL	ERBA XL-180	Enzymatic
	CREATININE	ERBA XL-180	Jaffe kinetic
	DIRECT BILIRUBIN	ERBA XL-180	DCA
	GAMMA GLUTAMYL TRANSFERASE (GGT)	ERBA XL-180	Enzymatic
	HIGH DENSITY LIPOPROTEIN- CHOLESTEROL (HDL-C)	ERBA XL-180	PVS/PEGME/precipitation
	TOTAL BILIRUBIN	ERBA XL-180	DCA
	TOTAL PROTEIN	ERBA XL-180	Biuret method
	TRIGLYCERIDES	ERBA XL-180	Enzymatic
	UREA	ERBA XL-180	Enzymatic (Urease)
	URIC ACID	ERBA XL-180	Trinder's method
	SODIUM	AUDICOM AC9900	ISE INDIRECT
	POTASSIUM	AUDICOM AC9900	ISE INDIRECT
	CHLORIDE	AUDICOM AC9900	ISE INDIRECT
BICARBONATE	AUDICOM AC9900	ISE INDIRECT	
PLASMA	GLUCOSE	ERBA XL-180	Trinder's method

Type of Sample	Types of Tests	Equipment	Method Used
<b>HEAMATOLOGY</b>			
WHOLE BLOOD	HEAMOGLOBIN (HB)	<b>SYSMEX XN-350</b>	Cyanide-free SLS method
	HAEMATOCRIT (HCT)	<b>SYSMEX XN-350</b>	Calculated
	MEAN CELL HAEMOGLOBIN (MCH)	<b>SYSMEX XN-350</b>	Calculated
	MEAN CELL VOLUME (MCV)	<b>SYSMEX XN-350</b>	Calculated
	MEAN CELL HEAMOGLOBIN CONCENTRATION (MCHC)	<b>SYSMEX XN-350</b>	Calculated
	PLATELETS	<b>SYSMEX XN-350</b>	DC impedance
	RED BLOOD CELL (RBC)	<b>SYSMEX XN-350</b>	DC impedance
	RDW-CV	<b>SYSMEX XN-350</b>	Calculated
	TOTAL WHITE BLOOD CELL COUNT (WBC-T)	<b>SYSMEX XN-350</b>	Flow cytometry
	% NEUTROPHIL	<b>SYSMEX XN-350</b>	Fluorescence flow cytometry
	% LYMPHOCYTE	<b>SYSMEX XN-350</b>	Fluorescence flow cytometry
	MALARIA PARASITE MICROSCOPY	<b>MICROSCOPE</b>	Giemsa staining and Microscopy

Type of Sample	Types of Tests	Equipment	Method Used
<b>IMMUNOASSAY</b>			
Serum	LEUTINIZING HORMONE (LH)	<b>Snibe Maglumi 800</b>	Chemiluminescence
	FOLLICLE STIMULATING HORMONE (FSH)	<b>Snibe Maglumi 800</b>	Chemiluminescence
	PROLACTIN	<b>Snibe Maglumi 800</b>	Chemiluminescence
	PROGESTERONE	<b>Snibe Maglumi 800</b>	Chemiluminescence
	TESTOSTERONE-TOTAL	<b>Snibe Maglumi 800</b>	Chemiluminescence
	ESTRADIOL (E2)	<b>Snibe Maglumi 800</b>	Chemiluminescence
	PROSTATE SPECIFIC ANTIGEN -TOTAL(TOTAL-PSA)	<b>Snibe Maglumi 800</b>	Chemiluminescence
	TRIIODOTHYRONINE (T3-TOTAL)	<b>Snibe Maglumi 800</b>	Chemiluminescence
	THYROXINE (T4- TOTAL)	<b>Snibe Maglumi 800</b>	Chemiluminescence
	THYROID STIMULATING HORMONE (TSH)	<b>Snibe Maglumi 800</b>	Chemiluminescence

Type of Sample	Types of Tests	Equipment	Method Used
<b>SEROLOGY</b>			
Serum	HIV 1 AND 2 (Rapid)	Manual	Manual
	HEPATITIS B SURFACE ANTIGEN (HBsAG- Rapid)	Manual	Manual
	HEPATITIS C VIRUS (HCV- Rapid)	Manual	Manual
	HELICOBACTER PYLORI (H pylori Antibody)	Manual	Manual
	SYPHILIS SCREEN	Manual	Manual
	PREGNANCY TEST	Manual	Manual
Stool	HELICOBACTER PYLORI (H pylori Antigen)	Manual	Manual

Type of Sample	Types of Tests	Equipment	Method Used
<b>MICROBIOLOGY</b>			
<b>Urine</b>	Urine: MICROSCOPY, CULTURE AND SENSITIVITY	Manual and Vitec 2	Manual and Vitek 2
<b>Stool</b>	Stool : MICROSCOPY, CULTURE AND SENSITIVITY	Manual and Vitec 2	Manual and Vitek 2
<b>Sputum</b>	Sputum : MICROSCOPY, CULTURE AND SENSITIVITY	Manual and Vitec 2	Manual and Vitek 2
<b>Nose</b>	Nose : MICROSCOPY, CULTURE AND SENSITIVITY	Manual and Vitec 2	Manual and Vitek 2
<b>Throat</b>	Throat : MICROSCOPY, CULTURE AND SENSITIVITY	Manual and Vitec 2	Manual and Vitek 2
<b>Ear</b>	Ear : MICROSCOPY, CULTURE AND SENSITIVITY	Manual and Vitec 2	Manual and Vitek 2
<b>HVS</b>	HVS : MICROSCOPY, CULTURE AND SENSITIVITY	Manual and Vitec 2	Manual and Vitek 2
<b>ECS</b>	ECS : MICROSCOPY, CULTURE AND SENSITIVITY	Manual and Vitec 2	Manual and Vitek 2
<b>Pus</b>	Pus : MICROSCOPY, CULTURE AND SENSITIVITY	Manual and Vitec 2	Manual and Vitek 2
<b>Fluid</b>	Fluid : MICROSCOPY, CULTURE AND SENSITIVITY	Manual and Vitec 2	Manual and Vitek 2
<b>Eye</b>	Eye : MICROSCOPY, CULTURE AND SENSITIVITY	Manual and Vitec 2	Manual and Vitek 2
<b>Semen</b>	Semen : MICROSCOPY, CULTURE AND SENSITIVITY	Manual and Vitec 2	Manual and Vitek 2
<b>Urine</b>	URINALYSIS	Manual and Microscopy	Dipstick microscopy
<b>Blood</b>	BLOOD CULTURE AND SENSITIVITY	Manual	Signal blood culture