

# Quality And Accreditation Institute Centre for Laboratory Accreditation

## Scope of Accreditation

### EASTERN REGIONAL HOSPITAL LABORATORY

Eastern Regional Hospital  
P.O. Box 201, Koforidua, Ghana

QAI/CLA/ML/2022/0013

Valid from : 17 August 2022  
Valid until : 16 August 2024

### Accreditation Standard: ISO 15189:2012

#### Clinical Biochemistry

Sl. No.	Type of Samples Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
1.	Serum	Albumin	Bromocresol Green End-Point
2.	Plasma	Glucose	Glucose Oxidase
3.	Serum	Total Cholesterol	Enzymatic End-Point

#### Haematology

Sl. No.	Type of Samples Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
1.	EDTA Whole Blood	Absolute Basophil Count	Flow Cytometry Method Using Semiconductor Laser
2.	EDTA Whole Blood	Absolute Eosinophil Count	Flow Cytometry Method Using Semiconductor Laser
3.	EDTA Whole Blood	Absolute Lymphocyte Count	Flow Cytometry Method Using Semiconductor Laser
4.	EDTA Whole Blood	Absolute Monocyte Count	Flow Cytometry Method Using Semiconductor Laser
5.	EDTA Whole Blood	Absolute Neutrophil Count	Flow Cytometry Method Using Semiconductor Laser
6.	EDTA Whole Blood	Basophils %	Flow Cytometry Method Using Semiconductor Laser
7.	EDTA Whole Blood	Eosinophils %	Flow Cytometry Method Using Semiconductor Laser
8.	EDTA Whole Blood	Haemoglobin	Hydrodynamically Focussed DC Detection Method, SLS (Sodium Lauryl Sulphate)- Haemoglobin Method for Haemoglobin Estimation
9.	EDTA Whole Blood	HCT	Hydrodynamically Focussed DC Detection Method, SLS (Sodium Lauryl Sulphate)- Haemoglobin Method for Haemoglobin Estimation
10.	EDTA Whole Blood	IG#	Flow Cytometry Method Using Semiconductor Laser
11.	EDTA Whole Blood	IG%	Flow Cytometry Method Using Semiconductor Laser
12.	EDTA Whole Blood	Lymphocytes %	Flow Cytometry Method Using Semiconductor Laser



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#### Haematology

Sl. No.	Type of Samples Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
13.	EDTA Whole Blood	MCH	Hydrodynamically Focussed DC Detection Method, SLS (Sodium Lauryl Sulphate)- Haemoglobin Method for Haemoglobin Estimation
14.	EDTA Whole Blood	MCHC	Hydrodynamically Focussed DC Detection Method, SLS (Sodium Lauryl Sulphate)- Haemoglobin Method for Haemoglobin Estimation
15.	EDTA Whole Blood	MCV	Hydrodynamically Focussed DC Detection Method, SLS (Sodium Lauryl Sulphate)- Haemoglobin Method for Haemoglobin Estimation
16.	EDTA Whole Blood	Monocytes %	Flow Cytometry Method Using Semiconductor Laser
17.	EDTA Whole Blood	MPV	Hydrodynamically Focussed DC Detection Method, SLS (Sodium Lauryl Sulphate)- Haemoglobin Method for Haemoglobin Estimation
18.	EDTA Whole Blood	Neutrophils %	Flow Cytometry Method Using Semiconductor Laser
19.	EDTA Whole Blood	NRBC#	Flow Cytometry Method Using Semiconductor Laser
20.	EDTA Whole Blood	NRBC%	Flow Cytometry Method Using Semiconductor Laser
21.	EDTA Whole Blood	PCT	Hydrodynamically Focussed DC Detection Method, SLS (Sodium Lauryl Sulphate)- Haemoglobin Method for Haemoglobin Estimation
22.	EDTA Whole Blood	PDW	Hydrodynamically Focussed DC Detection Method, SLS (Sodium Lauryl Sulphate)- Haemoglobin Method for Haemoglobin Estimation
23.	EDTA Whole Blood	Platelet Count	Hydrodynamically Focussed DC Detection Method, SLS (Sodium Lauryl Sulphate)- Haemoglobin Method for Haemoglobin Estimation



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#### Haematology

Sl. No.	Type of Samples Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
24.	EDTA Whole Blood	P-LCR	Hydrodynamically Focussed DC Detection Method, SLS (Sodium Lauryl Sulphate)- Haemoglobin Method for Haemoglobin Estimation
25.	EDTA Whole Blood	RDW-CV	Hydrodynamically Focussed DC Detection Method, SLS (Sodium Lauryl Sulphate)- Haemoglobin Method for Haemoglobin Estimation
26.	EDTA Whole Blood	RDW-SD	Hydrodynamically Focussed DC Detection Method, SLS (Sodium Lauryl Sulphate)- Haemoglobin Method for Haemoglobin Estimation
27.	EDTA Whole Blood	Red Blood Cells	Hydrodynamically Focussed DC Detection Method, SLS (Sodium Lauryl Sulphate)- Haemoglobin Method for Haemoglobin Estimation
28.	EDTA Whole Blood	White Blood Cells	Flow Cytometry Method Using Semiconductor Laser
29.	EDTA Whole Blood	Peripheral Smear for Malaria Parasite	Giemsa Stain (Thick & Thin Smear)/ Microscopy

#### Microbiology & Serology

Sl. No.	Type of Samples Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
1.	Sputum/ Pleural Aspirate/ CSF/ Gastric Lavage/ Acetic Fluid	Mycobacteria Tuberculosis	Real Time PCR using GeneXpert
2.	Plasma	HIV Viral Load	Real Time PCR using COBAS AmpliPrep/ TaqMan

