LABORATORY LOCATION: (PERMANENT LABORATORY)	**PREMIER INTEGRATED LABS SDN. BHD.** **(GLENEAGLES KOTA KINABALU BRANCH)** **2ND FLOOR, GLENEAGLES KOTA KINABALU** **RIVERSON@SEMBULAN** **BLOCK A-1, LORONG RIVERSON@SEMBULAN** **88100, KOTA KINABALU** **SABAH** **MALAYSIA**
ACCREDITED SINCE:	**03 MARCH 2023**
FIELDS OF MEDICAL TESTING:	**HAEMATOLOGY & CHEMICAL PATHOLOGY**

The standard used for assessment of this laboratory is MS ISO 15189:2022 (ISO 15189:2022, IDT).

A medical laboratory's fulfilment of the requirements of ISO 15189 means the laboratory meets both the technical competence requirements and the management system requirements necessary for it to consistently deliver technically valid test results. The management system requirements in ISO 15189 are written in language relevant to a medical laboratory's operations. Medical laboratories that implement ISO 15189 operate generally in accordance with the principles of ISO 9001. (See Joint IAF-ILAC-ISO Communiquè dated November 2021).

SCOPE OF MEDICAL TESTING: HAEMATOLOGY

Specimen Tested	Type of Test / Properties Measured	Test Methods, Specification/ Equipment/Technique Used
Routine Haematology Whole Blood	Full Blood Count (FBC)/Differential Count	Fluorescence flow cytometry, hydrodynamic focusing and Cyanide-free SLS method using Sysmex XN 550 and XN 1000 analyzers as documented in Haematology Procedure Manual Chapter YP036 and YP037
Plasma	Activated Partial Thromboplastin Time (APTT)	Turbodensitometric measuring method by Sysmex CA104 as documented in Haematology Procedure Manual Chapter YP151
	Prothrombin Time (PT)	Turbodensitometric measuring method by Sysmex CA104 as documented in Haematology Procedure Manual Chapter YP152
Immunohaematology Whole Blood	ABO and RhD Blood Grouping	Manual tube method as documented in Blood Bank Procedure Manual Chapter BP020
	Cross-matching	Column Agglutination (gel card) method as documented in Blood Bank Procedure Manual Chapter BP026
Serum / Plasma	Antibody Screening/ Indirect Antiglobulin Test	Column Agglutination (gel card) method as documented in Blood Bank Procedure Manual Chapter BP005

SCOPE OF MEDICAL TESTING: CHEMICAL PATHOLOGY

Specimen Tested	Type of Test / Properties Measured	Test Methods, Specification/ Equipment/Technique Used
General Chemistry Serum / Plasma	Alanine Transaminase (ALT)	Modified Wroblewski and LaDue method, modified IFCC without P5P method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP365
	Albumin	Bromocresol Purple (BCP) dye binding method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP359
	Alkaline Phosphatase (ALP)	Bowers and McComb, IFCC standardization method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP360
	Amylase	Ethylidene Blocked-pNG7 method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP361
	Aspartate Aminotransferase (AST)	Modified IFCC, without P5P method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP362
	Bilirubin (Total)	Vanadate Oxidation method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP375
	Calcium	Arsenazo III method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP363
	Chloride	Indirect Integrated Multisensor Technology (IMT) method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP374
	Cholesterol (Total)	Enzymatic cholesterol oxidase, esterase, peroxidase method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP364
	Creatine Kinase MB Isoenzyme (CKMB)	Chemiluminescence method using Atellica CI Analyzer as documented in Immunology Procedure Manual Chapter UP810
	Creatinine Kinase (CK)	Modified IFCC method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP366

SCOPE OF MEDICAL TESTING: CHEMICAL PATHOLOGY

Specimen Tested	Type of Test / Properties Measured	Test Methods, Specification/ Equipment/Technique Used
General Chemistry Serum / Plasma	Creatinine	Enzymatic using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP367
	Gamma-Glutamyl Transferase (GGT)	Kinetic photometric method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP369
	Glucose	Hexokinase method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP370
	HDL Cholesterol	Elimination/ catalase method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP371
	Lactate Dehydrogenase	Lactate to pyruvate, nicotinamide adenine dinucleotide (NAD) method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP372
	Phosphate (inorganic)	Phosphomolybdate method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP373
	Potassium	Indirect Integrated Multisensor Technology (IMT) method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP374
	Sodium	Indirect Integrated Multisensor Technology (IMT) method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP374
	Total Protein	Biuret Reaction method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP376
	Triglycerides	Glycerol Phosphate Oxidase Reaction method using Atellica CI Analyzer System as documented in Biochemistry Procedure Manual Chapter CP377
	Urea Nitrogen (BUN)	Urease/glutamate dehydrogenase method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP379

SCOPE OF MEDICAL TESTING: CHEMICAL PATHOLOGY

Specimen Tested	Type of Test / Properties Measured	Test Methods, Specification/ Equipment/Technique Used
General Chemistry Serum / Plasma	Uric Acid	Uricase method using Atellica CI Analyzer as documented in Biochemistry Procedure Manual Chapter CP379
Urine	Urine FEME	Semi-Automated reflectance spectroscopy method using Clinitek Advantus as documented in Microbiology Procedures Manual VP208
Whole Blood	Glycated Haemoglobin (HbA1c)	Ion- Exchange High Performance Liquid Chromatography (HPC) method using Biorad D-10 haemoglobin Testing System as documented in Biochemistry Procedure Manual chapter CP209

Laboratory Key Personnel:

	Name	Designation
1.	Dr. Ahmad Toha Samsudin	Laboratory Director
2.	Yong Chun How @Kenneth	Deputy Laboratory Director / Quality Manager
3.	Nick Ricko Jame	Deputy Quality Manager
4.	D.K. Noor Rashidah binti PG. Mohd Noor	Document Controller
5.	Fazarina Omi binti Yusof	Deputy Document Controller
6.	Fenney Binti Kenisi	Technical Manager (Chemical pathology)
7.	Evelyn David Gakin	Technical Manager (Haematology)
8.	Mimi Gidong	Deputy Technical Manager (Immunohaematology)