Issue date: 21 October 2024
Valid Until: 21 October 2029

NO: SAMM 946
(Issue 1, 21 October 2024 replacement
of SAMM 946 dated 14 October 2025)

LABORATORY LOCATION: (PERMANENT LABORATORY)	Clinical Research Center, Sarawak General Hospital Jalan Tun Ahmad Zaidi Adruc, 93586 Kuching, Sarawak. , 93586, SARAWAK MALAYSIA
ACCREDITED SINCE :	21 OCTOBER 2024
FIELD(S) OF MEDICAL TESTING :	CHEMICAL PATHOLOGY HAEMATOLOGY
SITE:	
1 . SITE LABORATORY(HQ) :	MOLECULAR LABORATORY, LEVEL 1, PATHOLOGY DEPARTMENT SARAWAK HEART CENTER, MALAYSIA
FIELD(S) OF MEDICAL TESTING :	MOLECULAR GENETIC

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, November 2021)

CENTRAL LOCATION	Clinical Research Center, Sarawak General Hospital Jalan Tun Ahmad Zaidi Adruc, 93586 Kuching, Sarawak. , 93586, Sarawak
FIELD(S) OF MEDICAL TESTING :	CHEMICAL PATHOLOGY, HAEMATOLOGY

SCOPE OF MEDICAL TESTING : CHEMICAL PATHOLOGY

Specimen Tested	**Type of Test/ Properties Measured/**	**Test Methods,Specifications/ Equipment/Techniques Used**
Routine Chemistry Plasma	? – glutamyltransferase (GGT) Amylase (AMYL) Alkaline Phosphatase (ALP) Total Cholesterol (TCHO) High Density Cholesterol (HDL-C) Total Protein (TP) Aspartate Aminotransferase (GOT/AST) Glutamic pyruvic transaminase (GPT/ALT) Magnesium (Mg) Calcium (Ca) Lipase (LIP) Lactate Dehydrogenase (LDH) Triglycerides (TG) Total Bilirubin (TBIL) Creatinine (CRE) Blood Urea Nitrogen (BUN)	Multilayered Film method by using Fuji DriChem NX 500 as documented in CRCSGH-QWI-LAB-3-002 Colorimetric and Non-Selective Electrode method by using Roche Cobas c311 as documented in CRCSGH-QWI-LAB-3-027

	Albumin (ALB) Uric Acid (UA) Inorganic Phosphate (IP) Direct Bilirubin (DBIL) Glucose (GLU) Electrolyte 1. Sodium (Na+), 2. Potassium (K+) 3. Chloride (Cl-)	
Routine Chemistry -immunoassay Plasma	Thyroid-Stimulating Hormone (TSH) Free Thyroxine (FT4)	Fluorescent measurement through Two Wavelength Detection (Top-Top) method by using TOSOH AIA-900 as documented in CRCSGH-QWI-LAB-3-003

SCOPE OF MEDICAL TESTING : HAEMATOLOGY

Specimen Tested	**Type of Test/ Properties Measured/**	**Test Methods,Specifications/ Equipment/Techniques Used**
Routine Haematology Whole Blood	Complete Blood Count (CBC) Automated Differential Count / Parameter: 1. Neutrophil (NEUT) 2. Lymphocyte (LYMPH) 3. Monocyte (MONO) 4. Eosinophil (EO) 5. Basophil (BASO) Platelet Count (PLT) Haematocrit (HCT) Haemoglobin (Hb) Red Cell Counts (RCC) White Cell Count (WCC) Mean Corpuscular Volume (MCV)	Cell Count by using Abbott Cell Dyn Ruby as documented in CRCSGH-QWI-LAB-3-017

	Mean Corpuscular Hemoglobin (MCH) Mean Corpuscular Hemoglobin Concentration (MCHC) Red Blood Cell Distribution Width (RDW-CV) Mean Platelet Volume (MPV)	Cell Count by using Abbott Cell Dyn Ruby as documented in CRCSGH-QWI-LAB-3-017
	Reticulocyte (Absolute Count) (%)	New Methylene Blue NCCLS method, Supravital Staining Technique by using Abbott Cell Dyn Ruby as documented in CRCSGH-QWI-LAB-3-017
Coagulation Plasma	Prothrombin Time (PT) Activated Partial Thromboplastin Time (APTT)	Clotting method using SYSMEX CA-600 series as Documented in CRCSGH-QWI-LAB-3-005

SITE LOCATION (HQ)	1. MOLECULAR LABORATORY LEVEL 1, PATHOLOGY DEPARTMENT SARAWAK HEART CENTER,MALAYSIA
FIELD(S) OF MEDICAL TESTING :	MOLECULAR TESTING

FIELD(S) OF MEDICAL TESTING : MOLECULAR GENETIC

Specimen Tested	**Type Of Test / Properties Measured**	**Test Methods, Specifications/ Equipment/Techniques Used**
Whole Blood	Detection of Familial Hypercholesterolemia Genetic Variants for: 1) LDLR 2) APOB 3) PCSK9 4) LDLRAP1	DNA sequencing is conducted using NGS (MiSeq) as described in CRCSGH-QWI-7-018

NOTE :