


NO: SAMM 946(Issue 1, 21 October 2024 replacement
of SAMM 946 dated 28 August 2025)

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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 Communiqué, November 2021)

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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)	Multilayered Film method by using Fuji DriChem NX 500 as documented in CRCSGH-QWI-LAB-3-002
	Amylase (AMYL)	
	Alkaline Phosphatase (ALP)	
	Total Cholesterol (TCHO)	Colorimetric and Non-Selective Electrode method by using Roche Cobas c311 as documented in CRCSGH-QWI-LAB-3-027
	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)	

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	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

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	Mean Corpuscular Hemoglobin (MCH)	Cell Count by using Abbott Cell Dyn Ruby as documented in CRCSGH-QWI-LAB-3-017
	Mean Corpuscular Hemoglobin Concentration (MCHC)	
	Red Blood Cell Distribution Width (RDW-CV)	
	Mean Platelet Volume (MPV)	
	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)	Clotting method using SYSMEX CA-600 series as Documented in CRCSGH-QWI-LAB-3-005
	Activated Partial Thromboplastin Time (APTT)	

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 :

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