Schedule

Issue date: 21 August 2025
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NO: SAMM 1105

LABORATORY LOCATION: (PERMANENT LABORATORY)	Premier Integrated Labs Sdn. Bhd. (Manjung Branch) 1st Floor, Pantai Hospital Manjung, Jalan PPMP, Pusat Perniagaan Manjung Point, 32040 Seri Manjung, Perak. , 32040, PERAK MALAYSIA
ACCREDITED SINCE :	21 AUGUST 2025
FIELD(S) OF MEDICAL TESTING :	CHEMICAL PATHOLOGY HAEMATOLOGY

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	Premier Integrated Labs Sdn. Bhd. (Manjung Branch) 1st Floor, Pantai Hospital Manjung, Jalan PPMP, Pusat Perniagaan Manjung Point, 32040 Seri Manjung, Perak. , 32040, Perak
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**
Immunohaematology	None	None
Serum/ Plasma	Alanine Transaminase (ALT)	Modified Wroblewski and LaDue method, IFCC Reference using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CP010.
	Albumin	Bromocresol Purple (BCP) method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CP015.
	Alkaline Phosphatase (ALP)	Enzymatic Reaction with AMP Buffer method, IFCC Reference using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CP020.
	Amylase	Hydrolysis of CNPG3 method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CP025.
	Aspartate Aminotransferase (AST)	Modified IFCC method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CP035.

Bilirubin (Total)	Diazotized Sulfanilic Acid method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CP135.
Calcium	Cresolphthaleincomplexone reaction method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CP040.
Chloride	Indirect Measurements from Ion Selective
Chloride	Electrode method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CP075.
Cholesterol (Total)	Enzymatic Reaction method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CPO050.
Creatine Kinase MB Isoenzyme (CKMB)	Modified IFCC CK Primary Reference method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CP060.
Creatinine Kinase (CK)	IFCC Primary Reference method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CP055.
Creatinine	Modified Kinetic Jaffe Reaction method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CP065.
Gamma-Glutamyl Transferase (GGT)	IFCC method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CP085.

Glucose	Hexokinase method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CPO90.
HDL Cholesterol	Elimination and Measurement by Trinder Action method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V 1 of 2) CP037.
Lactate Dehydrogenase	IFCC Primary Reference method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V 1 of 2) CP100.
Phosphate (inorganic)	Modified Phosphomolybdate method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V 1 of 2) CP125.
Potassium	Indirect Measurements from Ion Selective
Potassium	Electrode method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CPO075.
Sodium	Indirect Measurements from Ion Selective
Sodium	Electrode method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CPO075.
Total Protein	Biuret Reaction method method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CP140.
Triglycerides	Enzymatic Reaction method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CP145.

	Urea Nitrogen (BUN)	Urease Kinetic method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CP150.
	Uric Acid	Uricase Peroxidase method using Dimension Clinical Chemistry System as documented in Biochemistry Procedures Manual (V1 of 2) CP155.
	Antibody screening	Column Agglutination Technology method as documented in Blood Bank Procedure Manual BPOO5.

SCOPE OF MEDICAL TESTING : HAEMATOLOGY

Specimen Tested	**Type of Test/ Properties Measured/**	**Test Methods,Specifications/ Equipment/Techniques Used**
Haematology	Antibody screening	None
Whole Blood	ABO and RhD Blood Grouping	Manual tube method as documented in Blood Bank Operation Procedure Manual BP020.
	Cross-matching	Column Agglutination Technology method as documented in Blood Bank Operation Procedure Manual BP026.
	Direct Antiglobulin Test	Column Agglutination Technology method as documented in Blood Bank Procedure Manual, BP085
	Full blood Count (FBC)	Cell count using Sysmex XS 500i analyzer as documented in Haematology Procedure Manual YP036.
	Full Blood Count	Method: Combination of
	(5-part hematology analyser)	Impedence, SLS Hb, Flowcytometry, and calculation
	(5-part hematology analyser)	Analyser: Sysmex XN-1000
	(5-part hematology analyser)	All methods and specifications as documented in HTPG/JP/HEM/AK-01
	(5-part hematology analyser)	Manual Differential count as documented in
	(5-part hematology analyser)	HTPG/JP/HEM/AK-11

Reticulocyte count	Flowcytometry method Analyser: Sysmex XN-1000 All methods and specifications as documented in HTPG/JP/HEM/AK-01
Full Blood Picture	Manual blood smear and staining method using Leishman stain All methods and specifications as documented in HTPG/JP/HEM/AK-10 & AK-12
WBC?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
WBC?s Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT-W10205
RBC?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
RBC?s Count	SASMEC@IIUM/PALM/INT-W10204
Hemoglobin?s Count	Photometric Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented
Hemoglobin?s Count	in SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT-W10205
Hematocrit?s Count	Photometric Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented
Hematocrit?s Count	in SASMEC@IIUM/PALM/INT-W10204
Mean Corpuscular Volume?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Mean Corpuscular Volume?s Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT-W10205
Mean Corpuscular Hemoglobin?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT-W10205

Mean Corpuscular Hemoglobin Concentration?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in SAS MEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT-W1I0205
RDW?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
RDW?s Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT-W1I0205
Platelet?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Platelet?s Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT-W10205
Neutrophils?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Neutrophils?s Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT-W10205
Lymphocytes?s Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Lymphocytes?s Count	SASMEC@IIUM/PALM/INT-W10204
Monocytes?s Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Monocytes?s Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT-W10205
Eosinophil?s Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Eosinophil?s Count	SASMEC@IIUM/PALM/INT-W10204
Basophils?s Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Basophils?s Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT-W10205
NE# Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
NE# Count	SASMEC@IIUM/PALM/INT-W10204

LY# Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
LY# Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT-W10205
MO# Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
MO# Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT-W1I0205
EO# Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
EO# Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT-W1I0205
BA# Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
BA# Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT-W10205
Nucleated Red Blood Cell?s Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Nucleated Red Blood Cell?s Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT-W10205
NRBC# Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
NRBC# Count	SASMEC@IIUM/PALM/INT-W10204
MDW?s Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
MDW?s Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT-W10205
Retic?s Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Retic?s Count	SASMEC@IIUM/PALM/INT-W10204
Glucose-6-phosphate dehydrogenase deficiency (G6PD) screening	Spot fluorescence test method as documented in; SASMEC@IIUM/PALM/HAE-WP01 SASMEC@IIUM/PALM/HAE-WI10102

	Full blood picture with clinical interpretation	Slide preparation and routine staining: (Automated) as documented in; SASMEC@IIUM/PALM/HAE-WI0101/W10105 Haematology Slide Stainer Cytocentrifuge User's Manual
	Haemoglobin analysis (HbA, HbA2, HbF, Hb variant)	Quantitation of HbA, HbA2, HbF, Hb variant: High Performance Liquid Chromatography (HPLC) method as documented in SASMEC@IIUM/PALM/HAE-WP02 SASMEC@IIUM/PALM/HAE-WI10203/ BioRad Variant II Haemoglobin Testing System User?s Manual
	Haemoglobin analysis (HbA, HbA2, HbF, Hb variant)	Capillary?s electrophoresis (CE) method as documented in SASMEC@IIUM/PALM/HAE-WP02 SASMEC@IIUM/PALM/HAE-WI0202/ Sebia Capillarys 2 Flex Piercing User?s Manual
	Haemoglobin analysis (HbA, HbA2, HbF, Hb variant)	Hb H inclusion bodies
	Haemoglobin analysis (HbA, HbA2, HbF, Hb variant)	Specimen preparation and staining (manual) as documented in SASMEC@IIUM/PALM/HAE-
	Haemoglobin analysis (HbA, HbA2, HbF, Hb variant)	Blood cell morphology; Slide preparation and routine staining: (Automated) as documented in SASMEC@IIUM/PALM/HAE-WI10101/ Haematology Slide Stainer Cytocentrifuge User's Manual

NOTE :