Issue date: 15 December 2025
Valid until: 26 May 2029

NO: SAMM 422
(Issue 02, 15 December 2025 replacement of SAMM 422 dated 18 May 2024)

LABORATORY LOCATION:
(PERMANENT LABORATORY)

PREMIER INTEGRATED LABS SDN BHD
(GLENEAGLES HOSPITAL JOHOR BRANCH)
LEVEL 1, NO. 2
GLENEAGLES HOSPITAL JOHOR
JALAN MEDINI UTARA 4, MEDINI ISKANDAR
79250 ISKANDAR PUTERI
JOHOR
MALAYSIA

FIELD(S) OF MEDICAL TESTING: **CHEMICAL PATHOLOGY, HAEMATOLOGY, MEDICAL MICROBIOLOGY & MEDICAL MICROBIOLOGY-IMMUNOLOGY**

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: CHEMICAL PATHOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Serum/Plasma	Alanine transaminase (ALT)	Modified Wroblewski and LaDue, Modified IFCC without P5P method using Atellica Chemistry as documented in Biochemistry Procedures chapter CP280
	Albumin	Bromocresol Purple (BCP) dye binding method using Atellica Chemistry as documented in Biochemistry Procedures Manual chapter CP358
	Alkaline Phosphatase (ALP)	Bowers and McComb, IFCC Standardization method using Atellica Chemistry as documented in Biochemistry Procedure Manual chapter CP282.
	Amylase	Ethylidene Block pNG7 method using Atellica Chemistry as documented in Biochemistry Procedure Manual Chapter CP284
	Aspartate aminotransferase (AST)	Modified IFCC, without P5P method using Atellica Chemistry as documented in Biochemistry Procedure Manual chapter CP035 CP285
	Bilirubin (Total)	Vanadate Oxidation-method using Atellica Chemistry as documented in Biochemistry Procedure Manual chapter CP300

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SCOPE OF MEDICAL TESTING: CHEMICAL PATHOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Serum/Plasma	Calcium	Arsenazo III method using Atellica Chemistry as documented in Biochemistry Procedure Manual Chapter CP300
	Chloride	Indirect Integrated Multisensor Technology (IMT) method using Atellica Chemistry as documented in Biochemistry Procedure Manual chapter CP283
	Cholestrol (Total)	Enzymatic cholesterol oxidase, esterase, peroxidase method using Atellica Chemistry as documented in Biochemistry Procedure Manual chapter CP287
	CKMB	Chemiluminescence method using Atellica Immunology as documented in Immunology Procedure Manual chapter UP711
	Creatine Kinase	Modified IFCC method using Atellica Chemistry as documented in Biochemistry Procedure Manual chapter CPT288
	Creatinine	Enzymatic method using Atellica Chemistry as documented in Biochemistry Procedure chapter CP324
	Gamma-Glutamyltranspeptidase (GGT)	L-v-glutamyl-3-carboxy-4-nitroanilide substrate reaction/ IFCC method using Atellica Chemistry as documented in Biochemistry Procedure Manual chapter CP292.
	Glucose	Hexokinase method using Atellica Chemistry as documented in Biochemistry Procedure Manual chapter CP293
	HDL Cholesterol	Elimination/catalase method using Atellica Chemistry as documented in Biochemistry Procedure Manual chapter CP290
	Lactate Dehydrogenase (LDH)	Lactate to pyruvate, nicotinamide adenine dinucleotide (NAD) method using Atellica Chemistry as documented in Biochemistry Procedure Manual Chapter CP267
	Phosphate (Inorganic)	Phosphomolybdate method using Atellica Chemistry as documented in Biochemistry Procedure Manual chapter CPT295

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SCOPE OF MEDICAL TESTING: CHEMICAL PATHOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Serum	Postassium	Indirect Integrated Multisensor Technology (IMT) method using Atellica Chemistry as documented in Biochemistry Procedure Manual chapter CP283
	Sodium	Indirect Integrated Multisensor Technology (IMT) method using Atellica Chemistry as documented in Biochemistry Procedure Manual chapter CP283
	Total Protein	Biuret Reaction method using Atellica Chemistry as documented in Biochemistry Procedure Manual CP302
	Triglyceride	Glycerol Phosphate Oxidase reaction method using Atellica Chemistry as documented in Biochemistry Procedure Manual chapter CP305
	Urea Nitrogen	Urease/glutamate dehydrogenase method using Atellica Chemistry as documented in Biochemistry Procedure Manual chapter CP306.
	Uric Acid	Uricase Atellica Chemistry as documented in Biochemistry Procedures Manual chapter CP307
Urine	Urine FEME	Automated Reflectance spectroscopy method using Clinitek Novus as documented in Microbiology Procedure Manual chapter VP208

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SCOPE OF MEDICAL TESTING: HAEMATOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Whole Blood	Full Blood Count (FBC)	Fluorescent flow cytometry hydrodynamic focusing and Cyanide-free SLS method using Sysmex XN1000 analyzer as documented in Haematology Procedure Manual chapter YP037

SCOPE OF MEDICAL TESTING: IMMUNOHAEMATOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Whole Blood	ABO & Rh (D) Blood Grouping	Manual Tube method as documented in Blood Bank Procedure Manual chapter BP020 Semi-automated column agglutination (gel-card) method using Benjo ID-Reader as documented in Blood Bank Procedure Manual chapter BP124 Automated column agglutination (gel card) method using Bio-Rad IH10000 as documented in Blood Bank Procedure Manual chapter BP021
	Cross-matching Column	Column Agglutination (gel-card) method as documented in Blood Bank Procedure Manual Chapter BP026
	Direct Antiglobulin Test	Column Agglutination (gel card) method as documented inn Blood Bank Procedure Manual chapter BP085
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: MEDICAL MICROBIOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Bacterial Isolates	Bacterial Identification & Antimicrobial sensitivity test	Automated method using VITEK 2 Compact ® as documented in Microbiology Procedure manual chapter VP146
Bacterial Isolates	AFB Stain	Acid Fast Bacili Stain (Kinyoun Stain) as documented in Microbiology Procedure manual chapter VP032
Slide Suspension smear	Gram Stain	Manual method as documented in Microbiology VP030
Ear swab	Culture	Manual method as documented in Microbiology VP050
Eye swab	Culture	Manual method as documented in Microbiology VP055
Genital swab	Culture	Manual method as documented in Microbiology VP060
Respiratory Specimen	Culture	Manual method as documented in Microbiology VP065 Semi quantitative culture method as documented in Microbiology Procedure manual chapter VP046
Stool	Culture	Manual culture method as documented in Microbiology VP075
Urine	Culture	Semi quantitative culture method as documented in Microbiology Procedure manual chapter VP090
Blood	Culture	Automated blood culture system (Colorimetric method) using BacT/Alert as documented in Microbiology Procedure manual chapter VP026

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SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY - IMMUNOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Serum/ Plasma	Hepatitis Bs Antibody	Chemiluminescence method using Atellica Immunoassay as documented in Immunology Procedure Manual chapter UP703
	Hepatitis Bs Antigen	Chemiluminescence method using Atellica Immunoassay as documented in Immunology Procedure Manual chapter UP723
	Hepatitis A Total	Chemiluminescence method using Atellica Immunoassay as documented in Immunology Procedure Manual chapter UP721
	Hepatitis C Antibody	Chemiluminescence method using Atellica Immunoassay as documented in Immunology Procedure Manual chapter UP719
	Syphilis (Antibodies to Treponema pallidum)	Chemiluminescence method using Atellica Immunoassay as documented in Immunology Procedure Manual chapter UP738

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