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

NO: SAMM 424
(Issue 02, 15 December replacement
of SAMM 424 dated 27 March 2024)

LABORATORY LOCATION:
(PERMANENT LABORATORY)

PREMIER INTEGRATED LABS
(PANTAI HOSPITAL BATU PAHAT BRANCH)
NO. 134&136,
JALAN FLORA UTAMA 8
TAMAN FLORA UTAMA
83000 BATU PAHAT
JOHOR
MALAYSIA

FIELDS 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 dated November 2021).

Scan this QR Code or visit www.ism.gov.my/cab-directories for the current scope of accreditation

SCOPE OF MEDICAL TESTING: CHEMICAL PATHOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Serum / Plasma	Alanine Aminotransferase (ALT)	Modified Wroblewski and LaDue, modified IFCC, without P5P method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP280 (Atellica SCI) and CP365 (Atellica CI 1900)
Serum / Plasma	Albumin	Bromocresol Purple (BCP) dye binding method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP358 (Atellica SCI) and CP359 (Atellica CI 1900)
Serum / Plasma	Alkaline Phosphatase (ALP)	Bowers and McComb, IFCC standardization method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP282 (Atellica SCI) and CP360 (Atellica CI 1900)
Serum / Plasma	Amylase	Ethylidene Blocked -pNPG7 method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP284 (Atellica SCI) and CP361 (Atellica CI 1900)
Serum / Plasma	Aspartate aminotransferase (AST)	Modified IFCC, without P5P method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP285 (Atellica SCI) and CP362 (Atellica CI 1900)

SCOPE OF MEDICAL TESTING: CHEMICAL PATHOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Serum / Plasma	Bilirubin (Total)	Vanadate Oxidation method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP300 (Atellica SCI) and CP375 (Atellica CI 1900)
Serum / Plasma	Calcium	Arsenazo III method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP286 (Atellica SCI) and CP363 (Atellica CI 1900)
Serum / Plasma	Chloride	Indirect Integrated Multisensor Technology (IMT) method Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP283 (Atellica SCI) and CP374 (Atellica CI 1900)
Serum / Plasma	Cholesterol (Total)	Enzymatic cholesterol oxidase, esterase, peroxidase method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP287 (Atellica SCI) and CP364 (Atellica CI 1900)
Serum / Plasma	Creatine Kinase MB Isoenzyme (CKMB)	Chemiluminescence method using Atellica SCI & CI 1900 as documented in Immunology Procedure Manual chapter UP711 (Atellica SCI) and UP810 (Atellica CP1900)
Serum / Plasma	Creatine Kinase (CK)	Modified IFCC method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP288 (Atellica SCI) and CP366 (Atellica CI1900)
Serum / Plasma	Creatinine	Enzymatic method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP324 (Atellica SCI) and CP367 (Atellica CI 1900)
Serum / Plasma	GammaGlutamyltranspeptidase (GGT)	L-γ-glutamyl-3-carboxy-4-nitroanilide substrate reaction/IFCC method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP292 (Atellica SCI) and CP369 (Atellica CI 1900)
Serum / Plasma	Glucose	Hexokinase method using Atellica SCI & CI 1900 as CP293 (Atellica SCI) and CP370 (Atellica CI 1900)

Scan this QR Code or visit www.ism.gov.my/cab-directories for the current scope of accreditation

SCOPE OF MEDICAL TESTING: CHEMICAL PATHOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Serum / Plasma	HDL Cholesterol	Elimination/catalase method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP290 (Atellica SCI) and CP371 (Atellica CI 1900)
Serum / Plasma	Lactate Dehydrogenase (LDH)	Lactate to pyruvate, nicotinamide adenine dinucleotide (NAD) method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP297 (Atellica SCI) and CP372 (Atellica CI 1900)
Serum / Plasma	Phosphate (Inorganic)	Phosphomolybdate method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP295 (Atellica SCI) and CP373 (Atellica CI 1900)
Serum / Plasma	Potassium	Indirect Integrated Multisensor Technology (IMT) method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP283 (Atellica SCI) and CP374 (Atellica CI 1900)
Serum / Plasma	Sodium	Indirect Integrated Multisensor Technology (IMT) method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP283 (Atellica SCI) and CP374 (Atellica CI 1900)
Serum / Plasma	Total Protein	Biuret Reaction method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP302 (Atellica SCI) and CP376 (Atellica CI 1900)
Serum / Plasma	Triglyceride	Glycerol Phosphate Oxidase reaction method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP305 (Atellica SCI) and CP377 (Atellica CI 1900)
Serum / Plasma	Urea Nitrogen	Urease/glutamate dehydrogenase method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP306 (Atellica SCI) and CP378 (Atellica CI 1900)
Serum / Plasma	Uric Acid	Uricase method using Atellica SCI & CI 1900 as documented in Biochemistry Procedure Manual chapter CP307 (Atellica SCI) and CP379 (Atellica CI 1900)
Urine	Urine FEME	Semi-Automated reflectance spectroscopy method using Clinitek Advantus as documented in Microbiology Procedure Manual chapter VP208

Scan this QR Code or visit www.ism.gov.my/cab-directories for the current scope of accreditation

SCOPE OF MEDICAL TESTING: HAEMATOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Whole Blood	Cross-matching	Column Agglutination (gel card) method as documented in Blood Bank Procedure Manual chapter BP026
	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 Banjo ID-Reader as documented in Blood Bank Procedure Manual chapter BP124
Serum / Plasma	Antibody screening/ Indirect Antiglobulin Test	Column Agglutination (gel card) method as documented in Blood Bank Procedure Manual chapter BP005
Whole blood	Direct Antiglobulin Test	Column agglutination (gel card) method as documented in Blood Bank Procedure Manual chapter BP085.

Scan this QR Code or visit www.ism.gov.my/cab-directories for the current scope of accreditation