

## Schedule


Issue date: 01 August 2024  
Valid Until: 01 August 2029



### NO: SAMM 510

(Issue 3, 01 August 2024 replacement  
of SAMM 510 dated 01 August 2024)

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<b>LABORATORY LOCATION:</b> (PERMANENT LABORATORY) 	Mahkota Medical Centre Laboratory, Mahkota Medical Centre Sdn. Bhd. No.3, Mahkota Melaka Jalan Merdeka 75000 Melaka , 75000, MELAKA MALAYSIA
<b>ACCREDITED SINCE :</b>	01 AUGUST 2024
<b>FIELD(S) OF MEDICAL TESTING :</b>	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 Communiqué, November 2021)

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<b>CENTRAL LOCATION</b>	Mahkota Medical Centre Laboratory, Mahkota Medical Centre Sdn. Bhd. No.3, Mahkota Melaka Jalan Merdeka 75000 Melaka , 75000, Melaka
<b>FIELD(S) OF MEDICAL TESTING :</b>	CHEMICAL PATHOLOGY, HAEMATOLOGY

**SCOPE OF MEDICAL TESTING : CHEMICAL PATHOLOGY**

<b>Specimen Tested</b>	<b>Type of Test/ Properties Measured/</b>	<b>Test Methods, Specifications/ Equipment/Techniques Used</b>
Urine	Cannabinoids	Chromatographic absorbent device Method as documented in MELB/WI1/175
	Morphine	Chromatographic absorbent device Method as documented in MELB/WI1/175
	Urine Pregnancy	Urine strip Method as documented in MELB/WI/172
	Urine FEME	Urine FE using urine test strip read by automated urine analyzer as documented in MELB/WI1/180 using CLINITEK NOVUS
	Urine FEME	Urine microscopic: KOVA slides method as documented in MELB/W1/153
Serum	Alanine Aminotransferase (ALT)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
	Albumin (ALB)	Microslide Method as documented in using Vitros 5600
	Alkaline Phosphatase (ALP)	Microslide Method as documented in using Vitros 5600
	Amylase (AMY)	Microslide Method as documented in using Vitros 5600
	Aspartate Aminotransferase (AST)	Microslide Method as documented in using Vitros 5600
	Direct Bilirubin (BID)	Microslide Method as documented in using Vitros 5600
	Bilirubin Total (BILT)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
	Calcium (Ca)	Microslide Method as documented in MELB/WI/02 using Vitros 5600

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Cholesterol (Chol)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
Creatinine (Crea)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
Creatine Kinase (CK)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
Gamma Glutamyl Transferase (GGT)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
Glucose (Glu)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
Glucose Tolerance Test (GTT)	Microslide Method as documented in MELB/WI/20 using Vitros 5600
Glycated Hemoglobin (HBA1c)	Microslide Method as documented in MELB/WI/21 using Vitros 5600
Glycated Hemoglobin (HBA1c)	Liquid Chromatography in MELB/W1/44 using ADAM A1c HA-8180V (Arkray)
HDL-Cholesterol (HDL)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
Lactate Dehydrogenase (LDH)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
Phosphorus (Phos)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
Total Protein (TP)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
Sodium (Na <sup>+</sup> )	Microslide Method as documented in MELB/WI1/02 using Vitros 5600
Potassium (K <sup>+</sup> )	Microslide Method as documented in MELB/WI/02 using Vitros 5600
Chloride (Cl)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
Triglyceride (Trig)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
Urea Nitrogen (UREA)	Microslide Method as documented in MELB/WI/02 using Vitros 5600

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	Uric Acid (UA)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
	Antibody Screening	Surgiscreen I, II & III screening cell method as documented in MELB/WI1/215
	Cross Matching	Biorad glass bead card method as documented in MELB/W1/213

**SCOPE OF MEDICAL TESTING : HAEMATOLOGY**

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Serum	Alanine Aminotransferase (ALT)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
	Albumin (ALB)	Microslide Method as documented in using Vitros 5600
	Alkaline Phosphatase (ALP)	Microslide Method as documented in using Vitros 5600
	Amylase (AMY)	Microslide Method as documented in using Vitros 5600
	Aspartate Aminotransferase (AST)	Microslide Method as documented in using Vitros 5600
	Direct Bilirubin (BID)	Microslide Method as documented in using Vitros 5600
	Bilirubin Total (BILT)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
	Calcium (Ca)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
	Cholesterol (Chol)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
	Creatinine (Crea)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
	Creatine Kinase (CK)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
	Gamma Glutamyl Transferase (GGT)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
	Glucose (Glu)	Microslide Method as documented in MELB/WI/02 using Vitros 5600

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	Glucose Tolerance Test (GTT)	Microslide Method as documented in MELB/WI/20 using Vitros 5600
	Glycated Hemoglobin (HBA1c)	Microslide Method as documented in MELB/WI/21 using Vitros 5600
	Glycated Hemoglobin (HBA1c)	Liquid Chromatography in MELB/W1/44 using ADAM A1c HA-8180V (Arkray)
	HDL-Cholesterol (HDL)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
	Lactate Dehydrogenase (LDH)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
	Phosphorus (Phos)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
	Total Protein (TP)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
	Sodium (Na <sup>+</sup> )	Microslide Method as documented in MELB/WI1/02 using Vitros 5600
	Potassium (K <sup>+</sup> )	Microslide Method as documented in MELB/WI/02 using Vitros 5600
	Chloride (Cl)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
	Triglyceride (Trig)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
	Urea Nitrogen (UREA)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
	Uric Acid (UA)	Microslide Method as documented in MELB/WI/02 using Vitros 5600
	Antibody Screening	Surgiscreen I, II & III screening cell method as documented in MELB/WI1/215
	Cross Matching	Biorad glass bead card method as documented in MELB/W1/213
Whole Blood & Serum	COOMB' Test (Direct and Indirect)	Biorad card method as documented in MELB/WI/215 & 216

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Whole Blood	Blood Cell Count	Blood Cell Count using Automatic Machine Cell-Dyn Ruby: Combined Flow Cytometry Method with Multiple-Angle Polarized scatter separation as documented in
	Blood Cell Count	Slides: Sliding Methods with Diff-Quick staining as documented in MELB/WI/52
	Erythrocyte Sedimentation Rate (ESR) by Automated Reader ESR-LENA	Westergren tube method as documented in MELB/W1/61 using ESR LENA automated analyzer.
	ABO and Rh Typing	Tube Method as documented in MELB/WI/207

**NOTE :**