Issue date: 26 August 2025
Valid Until: 30 July 2029

NO: SAMM 1121

LABORATORY LOCATION: (PERMANENT LABORATORY)	JABATAN PATOLOGI,, HOSPITAL TENGKU AMPUAN RAHIMAH Jalan Langat, 41200 Klang, Selangor. , 41200, SELANGOR MALAYSIA
ACCREDITED SINCE :	26 AUGUST 2025
FIELD(S) OF MEDICAL TESTING :	CHEMICAL PATHOLOGY HAEMATOLOGY MEDICAL MICROBIOLOGY (BACTERIOLOGY) MEDICAL MICROBIOLOGY (SEROLOGY) CYTOPATHOLOGY HISTOPATHOLOGY MEDICAL MICROBIOLOGY

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	JABATAN PATOLOGI,, HOSPITAL TENGKU AMPUAN RAHIMAH Jalan Langat, 41200 Klang, Selangor. , 41200, Selangor
FIELD(S) OF MEDICAL TESTING :	CHEMICAL PATHOLOGY, HAEMATOLOGYMEDICAL MICROBIOLOGY (BACTERIOLOGY)MEDICAL MICROBIOLOGY (SEROLOGY)CYTOPATHOLOGYHISTOPATHOLOGYMEDICAL MICROBIOLOGY

SCOPE OF MEDICAL TESTING : CHEMICAL PATHOLOGY

Specimen Tested	**Type of Test/ Properties Measured/**	**Test Methods,Specifications/ Equipment/Techniques Used**
Urine, Random	Urinalysis Bilirubin Blood Glucose Leucocytes Nitrite pH Protein Specific Gravity Urobilinogen Ketones	Equipment: Dirui H-500 Method: Dipstick PATH/ANA/WI-8
Whole Blood (edta)	HbA1c	HPLC/Biorad Variant II Turbo:PATH/CP/WI-27
Urine	Osmolality	Freezing point/ Micro-Osmometer 3320/ PATH/CP/WI-19
	Urine Biochemistry	Semi Quantitative Reflectance Photometer Assay /Dirui H500:PATH/CP/WI-25 dan Semi Quantitative Wavelength,Reflectance, Refractive and Flowcell measurement / iQ200 SPRINT & iChem Velocity:PATH/CP/WI-29
	Microscopy	HKM/PAT/MM/AK26
	Microscopy	Examination of Uncentrifuged Urine using Kova Slide As documented in
	Culture	HKM/PAT/MM/AK02
	Culture	Semi Quantitative Using Calibrated Loop As documented in
	Culture	Manual method as documented in SMC-WI-AH-LAB-MB-043.
	Legionella Urinary Antigen	Rapid immunochromatography method as documented in SMC-WI-AH-LAB-MB-050.
	Calcium	Alinity CI series as documented in SMC-SOP- AH-LAB-CP-017.
	Calcium	SMC-SOP-AH-LAB-CP-004.
	Opiates	SMC-WI-AH-LAB-CP-044.

Opiates	Opiates based on Immuno-Chromatography Method as documented in
Cannabinoid (Marijuana)	Cannabinoid based rapid immuno- on Chromatography method as documented in SMC-WI-AH-LAB-CP-044.
Amphetamine	Amphetamine based immuno- on Chromatography method as documented in SMC-WI-AH-LAB-CP-045.
FEME - Macroscopic exam	Reflectance photometry as documented in SMC-WI-AH-LAB-CP-045.
- Microscopic exam	SMC-SOP-AH-LAB-CP-019.
- Microscopic exam	SMC-WI-AH-LAB-CP-045. UC3500 and UF5000 documented in
FEME	Manual method as documented in
Protein	SMC-WI-AH-LAB-CP-007.
Protein	Manual method documented in
Pregnancy Test	SMC-WI-AH-LAB-CP-010.
Pregnancy Test	Pregnancy test based on Chromatography Method as documented in
Potassium	Alinity Cl series as documented in SMC-SOP-AH-LAB-CP-017
Potassium	SMC-SOP-AH-LAB-CP-004.
Potassium	Electrode as documented in
Potassium	Architect ci8200 on Potassium Selective
Glucose	SMC-WI-AH-LAB-CP-015.
Glucose	Manual method documented in
Chloride	Alinity Cl series as documented in SMC-SOP- AH-LAB-CP-017.
Chloride	SMC-SOP-AH-LAB-CP-004.
Chloride	Electrode as documented in
Chloride	Architect ci8200 Chloride Selective on
Diastase (Amylase)	Alinity Cl series as documented in SMC-SOP- AH-LAB-CP-017.
Diastase (Amylase)	Architect ci8200 Amylase based on 2-chloro-PNP-alpha-maltotriside Liquid (IFCC) method as documented in SMC-SOP-AH-LAB-CP-004.
Microscopy	Phase Contrast Examination Urine Using Kova Slide as documented in HAG/UPAT/MI/TPM-013

	Culture	Using Calibrated Dip Strips
	Culture	Routine culture to identify the pathogenic pathogen as documented in
Serum	Osmolality	Freezing point/ Micro-Osmometer 3320/ PATH/CP/WI-19
	Leptospirosis rapid test	Latex agglutination As documented in HKM/PAT/SR/AK0O2
	Rapid Plasma Reagin (RPR)	Macroscopic flocculation As documented in HKM/PAT/SR/AK04
	FT3	Cobas e411
	FT3	HKWPAT/CP/AK03
	FT3	Electrochemiluminescent (ECL) method as documented in
	FT4	Cobas e411
	FT4	HKWPAT/CP/AK03
	FT4	Electrochemiluminescent (ECL) method as documented in
	TSH	Cobas e411
	TSH	HKM/PAT/CP/AK03
	TSH	Electrochemiluminescent (ECL) method as documented in
	Chloride	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
	Chloride	Indirect ISE method as documented in
	Potassium	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
	Potassium	HKM/PAT/CP/AKO2
	Sodium	Indirect ISE method as documented in
	Sodium	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
	Sodium	HKM/PAT/CP/AKO2
	Glucose	Indirect ISE method as documented in
	Glucose	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
	Glucose	HKWPAT/CP/AK02
	Uric acid	Hexokinase method as documented in
	Uric acid	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
	Uric acid	in HKM/PAT/CP/AKO2

UIBC	Uricase PAP method as documented
UIBC	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
UIBC	in HKM/PAT/CP/AKO2
Urea	Nitroso-PSAP method as documented
Urea	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
Urea	GLDH, Kinetic Assay method as documented in HKM/PAT/CP/AK02
Triglyceride	HKM/PAT/CP/AKO2 (Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
Total protein	GPO-POD method as documented in
Total protein	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
Total protein	Biuret method as documented in HKM/PAT/CP/AKO2
Magnesium	(Pengendalian Chemistry Analyser
Magnesium	Xylidyl Blue method as documented in HKM/PAT/CP/AK02
Lactate dehydrogenase (LDH)	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
Lactate dehydrogenase (LDH)	IFCC method as documented in HKM/PAT/CP/AKO2
Iron	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
Iron	HKM/PAT/CP/AKO2
Iron	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU) TPTZ method as documented in
Inorganic Phosphorus (Phosphate)	Phosphomolybdate Complex method as documented in HKM/PAT/CP/AK02
HDL cholesterol	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)

HDL cholesterol	Enzymatic Immunoinhibition method as documented in HKM/PAT/CP/AK02
Direct bilirubin	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
Direct bilirubin	HKM/PAT/CP/AKO2
Direct bilirubin	DPD method as documented in
Creatinine	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
Creatinine	Modified Jaffe, Kinetic method as documented in HKM/PAT/CP/AK02
Creatine kinase (CK)	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
Creatine kinase (CK)	IFCC method as documented in HKM/PAT/CP/AKO2
Cholesterol	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
Cholesterol	HKM/PAT/CP/AKO2
Cholesterol	CHO-POD method as documented in
Calcium	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
Calcium	HKM/PAT/CP/AKO2
Calcium	Arsenazo method as documented in
AST	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
AST	HKM/PAT/CP/AKO2
AST	IFCC method as documented in
Amylase	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
Amylase	G7PNP (IFCC) method as documented in HKM/PAT/CP/AK02
ALT	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
ALT	HKM/PAT/CP/AK02
ALT	IFCC method as documented in
Alkaline phosphatase (ALP)	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)

Alkaline phosphatase (ALP)	IFCC method as documented in HKM/PAT/CP/AK02
Albumin	(Pengendalian Chemistry Analyser Beckman Coulter DXC700AU)
Albumin	Bromocresol Green(BCG) Method as documented in HKM/PAT/CP/AK02
ENA Multiple	ENA Multiple tests, ELISA method as SMC-WI-AH-LAB-MBV-072.
ANCA	SMC-WI-AH-LAB-MBV-070.
ANCA	ANCA based on Florescent method as
Leptospiral IgM	Immunochromatography (ICT) Test method as documented in SMC- WI-AH-LAB-MBV-059.
ASOT	VedaLab Direct Latex Aggulation method as documented in SMC-WI-AH-LAB-MBV-054.
Anti ds-DNA	SMC-WI-AH-LAB-MBV-057.
Anti ds-DNA	Anti ds-DNA is based on Semi-automated, ELISA method as documented in
ANF	ANF is based on, Fluorescent Method as documented in SMC-WI-AH-LAB-MBV-056.
Vitamin D	Architect ci8200, CMIA technology as documented in SMC-SOP-AH-LAB-CP-004.
Procalcitonin	Architect ci8200, CMIA technology as documented in SMC-SOP-AH-LAB-CP-004.
Calcium	Architect ci8200 Calcium based on Arsenazo III
Vitamin B12	Architect ci8200 Vitamin B12 based on CMIA
Free T4	Architect ci8200 Free T4 based on CMIA
Bilirubin Total	Architect ci8200 Total Bilirubin based on
C-Reactive Protein	Turbidimetry Method as documented in HAG/UPAT/BCM/TPM-035 Siemens Atellica CH
Chloride	ndirect IMT Method as documented in HAG/UPAT/BCM/TPM-022 Siemens Atellica CH

Potassium	ndirect IMT Method as documented in HAG/UPAT/BCM/TPM-021 Siemens Atellica CH
Sodium	ndirect IMT Method as documented in HAG/UPAT/BCM/TPM-020 Siemens Atellica CH
Lactate Dehydrogenase	FCC Method as documented in HAG/UPAT/BCM/TPM-019 Siemens Atellica CH
Creatine Kinase	FCC 2 part / Imidazole Buffer Method as documented in HAG/UPAT/BCM/TPM-018 Siemens Atellica CH
Uric Acid	Uricase Method as documented in HAG/UPAT/BCM/TPM-015 Siemens Atellica CH
Urea	Urease Method as documented in HAG/UPAT/BCM/TPM-014 Siemens Atellica CH
Triglyceride	GPO-PAP Method as documented in HAG/UPAT/BCM/TPM-013 Siemens Atellica CH
Total Protein	Biuret Method as documented in HAG/UPAT/BCM/TPM-012 Siemens Atellica CH
Inorganic Phosphorous	Phosphomolybdate Method as documented in HAG/UPAT/BCM/TPM-011 Siemens Atellica CH
HDL - Cholesterol	Elimination Method as documented in HAG/UPAT/BCM/TPM-010 Siemens Atellica CH
Glucose	Hexokinase Method as documented in HAG/UPAT/BCM/TPM-009 Siemens Atellica CH
Creatinine	Alk. Picrate-Kinetic Method as documented in HAG/UPAT/BCM/TPM-008 Siemens Atellica CH
Cholesterol	CHO-POD Method as documented in HAG/UPAT/BCM/TPM-007 Siemens Atellica CH

	Calcium	Arsenazo Dye Method as documented in HAG/UPAT/BCM/TPM-006 Siemens Atellica CH
	Total Bilirubin	Chemical Oxidation (Vandate) Method as documented in HAG/UPAT/BCM/TPM-005 Siemens Atellica CH
	Direct Bilirubin	Chemical Oxidation (Vandate) Method as documented in HAG/UPAT/BCM/TPM-004 Siemens Atellica CH
	Alanine aminotransfarase	Modified IFCC without P-5-P Method as documented in HAG/UPAT/BCM/TPM-003 Siemens Atellica CH
	Alkaline Phosphatase	IFCC Method as documented in HAG/UPAT/BCM/TPM-002 Siemens Atellica CH
	Albumin	Bromocresol Method as documented in HAG/UPAT/BCM/TPM-001 Siemens Atellica CH

SCOPE OF MEDICAL TESTING : HAEMATOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods,Specifications/ Equipment/Techniques Used
Satellite Laboratory Whole Blood	Full Blood Count White Blood Cell Count (WBC) Red Blood Cell Count (RBC) Hemoglobin Hematocrit Mean Corpuscular Volume (MCV) Mean Corpuscular Hemoglobin (MCH) Mean corpuscular hemoglobin concentration (MCHC) Red blood cell distribution width (RDWCV) Platelet Mean platelet volume (MPV)	Equipment: Sysmex XN 1000 Series Method: Hydro dynamic focusing, flowcytomtry and SLS-hemogobin method PATH/ANA/WI-3
	Direct Antiglobulin Test	(Ujian Coomb's Kaedah Kad Gel)
	Direct Antiglobulin Test	Documented in HKM/PAT/TM/AK11
	Direct Antiglobulin Test	Gel card method (Antigen-antibody reaction)
	Crossmatch	(Ujian Keserasian Darah)
	Crossmatch	Documented in HKM/PAT/TM/AKO8
	Crossmatch	(Antigen-antibody reaction) Tube method (Immediate spin)
	Crossmatch	Gel card method
	RBC Phenotyping	(Ujian Fenotip Sel Darah Merah)
	RBC Phenotyping	Documented in HKM/PAT/TM/AKO7
	RBC Phenotyping	Test tube method/ Gel card method (Antigen-antibody reaction)
	Antibody Identification	(Ujian Identifikasi Antibodi Kaedah Kad Gel)
	Antibody Identification	Documented in HKWPAT/TM/AK06
	Antibody Identification	Gel card method (Antigen-antibody reaction)
	Antibody Screening (Indirect Coomb's Test)	(Ujian Saringan Antibodi Kaedah Kad Gel)
	Antibody Screening (Indirect Coomb's Test)	Documented in HKM/PAT/TM/AK04
	Antibody Screening (Indirect Coomb's Test)	Gel card method (Antigen-antibody reaction)
	ABO & Rh D Grouping	Test tube method / Gel card method
	Malaria Parasite	Thick and Thin film staining method as documented in SMC-WI-AH-LAB-HM-030

Rh Genotype	Antigen-Antibody reaction as documented in SMC-WI-AH-LAB-HM-020.
FBP - Morphology	Manual method read by Haematologist as documented in SMC-WI-AH-LAB-HM-002.
FBC and Blood Film	None
FBC Reticulocyte Count Full Blood Picture (FBP)	Hydrodynamically focused differential count detection method, flow cytometry method and SLS-haemoglobin method as documented in SMC-SOP-AH-LAB-015.
ESR	HM-007.
ESR	Alifax ESR stopped flow kinetic Analysis Method as documented in SMC-SOP-AH-LAB-
Direct Agglutination Test (DAT)	Antigen-Antibody reaction as documented in SMC-WI-AH-LAB-HM-051.
Troponin T	Dual monoclonal ?andwich?method as documented in SMC-SOP-AH-LAB-CP-003.
G6PD	Alinity Cl series as documented in SMC-SOP-AH-LAB-CP-017.
G6PD	SMC-SOP-AH-LAB-CP-004, SMC-SOP-AH-LAB-CP-017.
G6PD	Architect ci8200 HbA1c based on Enzymatic method as documented in
G6PD	CareSTART Biosensor 1 as documented
Coom bs Test : IAT (Indirect Antiglobulin Test)/ Antibody Screening DAT (Direct I Antiglobulin Test)	Column Agglutination Method Using ID-Card ?LISS/Coombs? / ID ?Incubator, as documented in HAG/UPAT/BB/TPM003
Crossmatching	Column Agglutination Method Using ID-Card ?LISS/Coombs? / ID ?Incubator, ID-Centrifuge as documented in HAG/UPAT/BB/TPM004
Rh Blood grouping	Tube Method / Serofuge as documented in
Blood Grouping	Tube Method / Serofuge as documented in
Erythrocyte Sedimentation Rate	Vital Diagnostic Monosed
Erythrocyte Sedimentation Rate	Infrared Detection Method as documented in HAG/UPAT/HM/WI-004 & HAG/UPAT/HM/TPM-005

Haemoglobin	HAG/UPAT/HM/WI-005, HAG/UPAT/HM/W1-006 Sysmex XN 550 & Sysmex XN 1500
Haemoglobin	Hemoglobin Count: SLS haemoglobin detection method as documented in HAG/UPAT/HM/TPM-001
Hematocrit	HAG/UPAT/HM/WI-005, HAG/UPAT/HM/W1-006 Sysmex XN 550 & Sysmex XN 1500
Hematocrit	HAG/UPAT/HM/TPM-001
Hematocrit	Hematocrit Count: RBC cumulative pulse height detection method as documented in
Platelet	HAG/UPAT/HM/WI-005, HAG/UPAT/HM/W1-006 Sysmex XN 550 & Sysmex XN 1500
Platelet	HAG/UPAT/HM/TPM-001
Platelet	Platelet Count: Hydrodynamic focusing direct current detection method as documented in
Red Blood Cell Count	HAG/UPAT/HM/WI-005, HAG/UPAT/HM/W1-006 Sysmex XN 550 & Sysmex XN 1500
Red Blood Cell Count	HAG/UPAT/HM/TPM-001
Red Blood Cell Count	Red Blood Cell Count: Hydrodynamic focusing direct current detection method as documented in
White blood cell count	HAG/UPAT/HM/WI-005, HAG/UPAT/HM/WI-006 Sysmex XN 550 & Sysmex XN 1500
White blood cell count	cytometry method using semiconductor laser as documented in HAG/UPAT/HM/TPM-001
White blood cell count	White Blood Cell Count: Fluorescence flow
pO2	Potentiometric Method as documented in HAG/UPAT/BCM/TPM-030 Gem Premier 3500
pCOz	Potentiometric Method as documented in HAG/UPAT/BCM/TPM-029 Gem Premier 3500
pH	Potentiometric Method as documented in HAG/UPAT/BCM/TPM-028 Gem Premier 3500

Cd4/cd8 Immunophenotyping	CD3 Cell Count	Flow cytometry / Aquios CL Flow Cytometer / PATH/HE/WI-39
	CD3/CD4 Cell Count	Flow cytometry / Aquios CL Flow Cytometer / PATH/HE/WI-39
	CD3/CD8 Cell Count	Flow cytometry / Aquios CL Flow Cytometer / PATH/HE/WI-39
Hb Analysis (hplc)	Hb A2	High Performance Liquid Chromatography (HPLC) / Tosoh HLC-723G11 / PATH/HE/WI-37 PATH/HE/WI-45: TOSOH G11
	Hb F	High Performance Liquid Chromatography (HPLC) / Tosoh HLC-723G11 / PATH/HE/WI-37 PATH/HE/WI-45: TOSOH G11
Hb Analysis (ce)	Hb A2	Capillary Electrophoresis / Sebia Capillarys / PATH/HE/WI-26 & PATH/HE/WI-37
	Hb F	Capillary Electrophoresis / Sebia Capillarys / PATH/HE/WI-26 & PATH/HE/WI-37
	Hb Variant	Capillary Electrophoresis / Sebia Capillarys / PATH/HE/WI-26 & PATH/HE/WI-37
Haemostasis	Prothrombin Time (PT)	Clotting method (optical detection) / Sysmex CN-3000 / PATH/HE/WI-46: CN-3000 PATH/HE/WI-36: Coagulation Test
	Activated Partial Thromboplastin Time (APTT)	Clotting method (optical detection) / Sysmex CN-3000/ PATH/HE/WI-46: CN-3000 PATH/HE/WI-36: Coagulation Test

	Fibrinogen	Clotting method/Clauss assay (optical clot detection) / Sysmex CN-3000 / PATH/HE/WI-46: CN-3000 PATH/HE/WI-36: Coagulation Test
	International Normalized Ratio (INR)	Derived value (from established PT cal curve) / Sysmex CN-3000 / PATH/HE/WI-46: CN-3000 PATH/HE/WI-36: Coagulation Test
	Thrombin Time (TT)	Clotting method (optical detection) / Sysmex CN-3000 / PATH/HE/WI-46: CN-3000 PATH/HE/WI-36: Coagulation Test
Full Blood Count (fbc)	White Cell Count (WCC)	Flow cytometry with semi-conductor laser / Sysmex XN Series / PATH/HE/WI-43 Sysmex XN Series and SP-10 PATH/HE/WI-34: Full Blood Count (FBC)
	Red Cell Count (RCC)	DC detection with hydro dynamic focusing / Sysmex XN Series / PATH/HE/WI-43 Sysmex XN Series and SP-10 PATH/HE/WI-34: Full Blood Count (FBC)
	Hemoglobin (Hb)	SLS Haemoglobin / Sysmex XN Series / PATH/HE/WI-43 Sysmex XN Series and SP-10 PATH/HE/WI-34: Full Blood Count (FBC)

Hematocrit (Hct)	RBC pulse height detection / Sysmex XN Series / PATH/HE/WI-43 Sysmex XN Series and SP-10 PATH/HE/WI-34: Full Blood Count (FBC)
Mean Corpuscular Volume (MCV)	Calculated value / Sysmex XN Series / PATH/HE/WI-43 Sysmex XN Series and SP-10 PATH/HE/WI-34: Full Blood Count (FBC)
Mean Corpuscular Hemoglobin (MCH)	Calculated value / Sysmex XN Series / PATH/HE/WI-43 Sysmex XN Series and SP-10 PATH/HE/WI-34: Full Blood Count (FBC)
Mean Corpuscular Hemoglobin Concentration (MCHC)	Calculated value / Sysmex XN Series / PATH/HE/WI-43 Sysmex XN Series and SP-10 PATH/HE/WI-34: Full Blood Count (FBC)
Red Cell Distribution Width (RDW)	Calculated value / Sysmex XN Series / PATH/HE/WI-43 Sysmex XN Series and SP-10 PATH/HE/WI-34: Full Blood Count (FBC)
Platelet (Plt)	DC detection with hydro dynamic focusing / Sysmex XN Series / PATH/HE/WI-43 Sysmex XN Series and SP-10 PATH/HE/WI-34: Full Blood Count (FBC)

	Mean Platelet Volume (MPV)	DC detection with hydro dynamic focusing / Sysmex XN Series / PATH/HE/WI-43 Sysmex XN Series and SP-10 PATH/HE/WI-34: Full Blood Count (FBC)
	Reticulocyte count	Flow cytometry with semi-conductor laser / Sysmex XN Series / PATH/HE/WI-43 Sysmex XN Series and SP-10 PATH/HE/WI-34: Full Blood Count (FBC)

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SCOPE OF MEDICAL TESTING : MEDICAL MICROBIOLOGY (SEROLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods,Specifications/ Equipment/Techniques Used

SCOPE OF MEDICAL TESTING : MEDICAL MICROBIOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods,Specifications/ Equipment/Techniques Used

SCOPE OF MEDICAL TESTING : CYTOPATHOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods,Specifications/ Equipment/Techniques Used
Aspiration Sample (eg; Thyroid, Breast, Lymph Node Etc)	Fine Needle Aspiration (FNAC)	Special Staining (Manual Method): Method as documented in: PATH/CY/WI-5 Process of Aspiration Material from FNAC
	Fine Needle Aspiration (FNAC)	PATH/CY/WI-3 May Grunwald Giemsa stain (MGG)
	Fine Needle Aspiration (FNAC)	PATH/CY/WI-4 (Papanicolaou stain), manual
	Fine Needle Aspiration (FNAC)	PATH/CY/WI-10 (Papanicolaou stain-2, automated)
	Fine Needle Aspiration (FNAC)	PATH/CY/WI-7 Cell block
	Fine Needle Aspiration (FNAC)	PATH/CY/WI-6 Quick dip
Sputum, Urine, Bronchial Brushing And Washing, Effusion, Csf And Other Fluid	Non-Gynecology Test	Special Staining (Manual Method): Method as documented in: PATH/CY/WI-2 Preparation of Smear for Non- gynae Specimen
	Non-Gynecology Test	PATH/CY/WI-3 May Grunwald Giemsa stain (MGG)
	Non-Gynecology Test	PATH/CY/WI-4 (Papanicolaou stain), manual
	Non-Gynecology Test	PATH/CY/WI-10 (Papanicolaou stain-2, automated)
	Non-Gynecology Test	PATH/CY/WI-7 Cell block
	Non-Gynecology Test	PATH/CY/WI-6 Quick dip
Gynecology Specimen (pap Smear)	PAP smear (Conventional and liquid based)	PATH/CY/WI-1 (Labelling of Cytological Specimen) PATH/CY/WI-4 (Papanicolaou stain), manual
	PAP smear (Conventional and liquid based)	PATH/CY/WI-9 (Processing of Fluid-Based Cytology samples)
	PAP smear (Conventional and liquid based)	PATH/CY/WI-10 (Papanicolaou stain-2, automated)
Cytopathology Specimens	Cytology examination	Specimen Preparation and Routine Staining: Method as documented in:
	Cytology examination	PATH/CY/QP-1 (Receipt, recording and reporting of Gynea and Body Fluids in Cytology laboratory)
	Cytology examination	PATH/CY/QP-2 (Preparing and reporting of Fine Needle Aspiration)
	Cytology examination	PATH/CY/QP-3 (Retention and disposal of specimen in Cytology laboratory)

	Cytology examination	PATH/CY/QP-4 (Offline procedure in Cytology laboratory)
	Cytology examination	PATH/HI/QP-5 (Quality Assurance in Cytology laboratory)
	Cytology examination	PATH/HI/QP-6 (Chemical waste disposal procedure in Histopathology and Cytology laboratory)

SCOPE OF MEDICAL TESTING : HISTOPATHOLOGY

Specimen Tested	**Type of Test/ Properties Measured/**	**Test Methods,Specifications/ Equipment/Techniques Used**
Histochemistry	Histochemistry Examination	Special Staining (Manual Method): Method as documented in:
	Histochemistry Examination	PATH/HI/WI-5 (Periodic Acid Schiff's (PAS) for neutral mucopolysaccharides)
	Histochemistry Examination	PATH/HI/WI-7 (Alcian Blue stain)
	Histochemistry Examination	PATH/HI/WI-8 (Grocott Gomori Methenamine Silver (GGMS) for fungi)
	Histochemistry Examination	PATH/HI/WI-9 (Periodic Acid Schiff's with Diastase)
	Histochemistry Examination	PATH/HI/WI-12 (Ziehl Neelson Stain for Acid Fast Bacilli)
	Histochemistry Examination	PATH/HI/WI-16 (Periodic Acid Schiff's with Alcian Blue)
Immunohistochemistry	Immunohistochemistry Examination	PATH/HI/WI-15 (Immunohistochemistry staining technique)
	Immunohistochemistry Examination	PATH/HI/HI-26 (Validation of Immunohistochemistry antibody)
	Immunohistochemistry Examination	PATH/HI/WI-30 (Immunohistochemistry Staining Technique (automation)
Surgical Pathology Specimens	Histology Examination	Specimen Preparation and Routine Staining: Method as documented in:
	Histology Examination	PATH/HI/QP-1 (Receipt, recording and reporting of sample in Histopathology laboratory)
	Histology Examination	PATH/HI/QP-2 (Storage and disposal of specimen in Histopathology laboratory)
	Histology Examination	PATH/HI/QP-5 (Offline procedure in Histopathology laboratory)
	Histology Examination	PATH/HI/QP-6 (Chemical waste disposal procedure in Histopathology and Cytology laboratory)
	Histology Examination	PATH/HI/QP-7 (Quality Assurance in Histopathology laboratory)
	Histology Examination	PATH/HI/WI-1 (Labelling of histopathology specimen)

	Histology Examination	PATH/HI/WI-21 (Grossing of histopathological specimens)
	Histology Examination	PATH/HI/WI-2 (Processing tissue on automated tissue processor)
	Histology Examination	PATH/HI/WI-23 (Process tissue into paraffin block)
	Histology Examination	PATH/HI/WI-20 (Prepare slide from Paraffin block)
	Histology Examination	PATH/HI/WI-4 (Routine morphological staining using Haematoxylin and Eosin)
	Histology Examination	PATH/HI/WI-25 (Haematoxylin and Eosin Staining-2)

Issue date: 26 August 2025
Valid Until: 30 July 2029

NO: SAMM 1121

SCOPE OF MEDICAL TESTING : MEDICAL MICROBIOLOGY (SEROLOGY)

Specimen Tested	Type of Test/ Properties Measured/	Test Methods,Specifications/ Equipment/Techniques Used

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NOTE :