


Schedule

Issue date: 19 March 2025
Valid Until: 09 October 2029



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LABORATORY LOCATION: (PERMANENT LABORATORY) 	Jabatan Patologi, Hospital Ampang Jalan Mewah Utara, Pandan Mewah, 68000 Ampang, Selangor , 68000, SELANGOR MALAYSIA
ACCREDITED SINCE :	19 MARCH 2025
FIELD(S) OF MEDICAL TESTING :	CHEMICAL PATHOLOGY HAEMATOLOGY 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 Communiqué, November 2021)

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CENTRAL LOCATION	Jabatan Patologi, Hospital Ampang Jalan Mewah Utara, Pandan Mewah, 68000 Ampang, Selangor , 68000, Selangor
FIELD(S) OF MEDICAL TESTING :	CHEMICAL PATHOLOGY, HAEMATOLOGYMEDICAL MICROBIOLOGY

SCOPE OF MEDICAL TESTING : CHEMICAL PATHOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods,Specifications/ Equipment/Techniques Used
Csf / Serum	CSF Oligoclonal Band	Agarose Gel electrophoresis as documented in HA/PAT/BK/AK-05
Parasitology Blood / Blood Film	Thick & thin blood film for malaria parasites	Microscopic using Giemsa staining as documented in HA/PAT/MI/AK-12
Serum / Urine	Protein Electrophoresis	Agarose Gel electrophoresis as documented in HA/PAT/BK/AK-A04
General Chemistry Serum/plasma	Chloride	Ion Selective Electrode as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 A
	Potassium	Ion Selective Electrode as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
	Sodium	Ion Selective Electrode as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
	UIBC	Nitroso-PSAP as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
	Total Protein	Biuret as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
	Triglycerides	GPO-POD as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
	GGT	IFCC as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU

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	Iron	TPTZ as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
	Direct Bilirubin	DPD as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
	C-reactive protein	Immunoturbidimetric as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700AU
	Lactate	Enzymatic as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
	LDH	LDH (L-P) IFCC as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
	HDL Cholesterol	Enzymatic Immunoinhibition as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700AU
	Creatine Kinase	IFCC-CK (NAC) as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
	Cholesterol	Enzymatic (CHO-POD) as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
	Bilirubin, Total	DPD as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
	AST	IFCC as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
	Alkaline Phosphatase	IFCC AMP buffer as documented in HA/PAT/AM AK- 21 Beckman Coulter DXC 700 AU
	ALT	IFCC without Pyridoxal-5-Phosphate as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
Serum/plasma/csf	Albumin	Bromocresol Green (BCG) as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
	Glucose	Hexokinase as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU

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Serum/plasma/urine	Urea	GLDH, Kinetic Assay as documented in HA/PAT/AMAK-21 Beckman Coulter DXC 700 AU
	Uric Acid	Uricase as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
	Amylase	IFCC-EPS as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
	Inorganic Phosphorus	Phosphomolybdate as documented in HA/PAT/AMAK-21 Beckman Coulter DXC 700AU
	Magnesium	Xylidyl Blue, Colourimetric, Tris Buffer as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
	Creatinine	Modified Jaffe, Kinetic as documented in HA/PAT/AM AK-21 BeckmanCoulter DXC 700 AU
	Calcium	Arsenazo III as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
Serum/urine	Osmolality	Freezing Point Depression as documented in HA/PAT/BK/AK-13
Plasma	Ammonia	Enzymatic Glutamate Dehydrogenase as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
Whole Blood	Arterial Blood Gases pH, pCO ₂ pO ₂	Potentiometric method as documented in HA/PAT/IN/AK-15 Pengendalian Analyzer Blood Gas GEM Premier 3500
	Cyclosporine	Amperometric method as documented in HA/PAT/IN/AK-15 Pengendalian Analyzer Blood Gas GEM Premier 3500 CEDIA Homogeneous enzyme immunoassay as documented in HA/PAT/AM AK-21 Beckman Coulter DXC 700 AU
Urine	Total Protein	Pyrogallol red molybdate as documented in HA/PAT/AMAK-21 Beckman Coulter DXC 700AU

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SCOPE OF MEDICAL TESTING : HAEMATOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Blood In Edta/plasma	Regrouping test	1.ABO/Rh (D) Forward Grouping (Tube Method) as documented in HA/PAT/TD/TPM- 01 Section 5 2.ABO/Rh (D) Forward Grouping (M-TRAP Technology) as documented in HA/PAT/TD/TPM-01 Section 5
	Coombs test	Tube method (Manual) or gel card method (Manual) as documented in HA/PAT/TD/AK-10
	Emergency crossmatch test	Tube method (Manual) and gel card method (Manual) as documented in HA/PAT/TD/AK-05
	Antibody identification	Tube method (Manual) and gel card method (Manual) as documented in HA/PAT/TD/AK-05
	Group, Screen and Hold test (GSH)	Tube method (Manual) or gel card method (IH 500 analyzer) as documented in HA/PAT/TD/AK-04
	Antibody screening test	Tube method (Manual) or gel card method (IH 500 analyzer) as documented in HA/PAT/TD/AK-03
	Blood grouping test	Tube method (Manual) or gel card method (IH 500 analyzer) as documented in HA/PAT/TD/AK-02
	Group and Crossmatching test (GXM)	Tube method (Manual) or gel card method (Manual) as documented in HA/PAT/TD/AK-07
Csf	Culture, microscopic & identification bacterial antigen	As documented in HA/PAT/MI/AK-02 Latex Agglutination
	Total Protein	Pyrogallol red molybdate as documented in HA/PAT/AMAK-21 Beckman Coulter DXC 700AU

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Mycology Blood / Corneal Scrapping / Skin Scrapping / Eye / Ear	Microscopy	LPCB stain / KOH. As documented in HA/PAT/MI/AK-11
	Fungal Susceptibility Testing	As documented in HA/PAT/MI/AK-34
	Culture for Dermatophytes and Yeast	As documented in HA/PAT/MI/AK-11
Coagulation Plasma	Fibrinogen	Clauss Method as documented in HA/PAT/IN/AK-04 STA Compact Max
	PT asin INR	Calculated Method as documented in HA/PAT/IN/AK-04 STA Compact Max
	APTT	Coagulation Method as documented in HA/PAT/IN/AK-04 STA Compact Max
	PT	Coagulation Method as documented in HA/PAT/IN/AK-04 STA Compact Max
	Ammonia	Enzymatic Glutamate Dehydrogenase as
Pus Pus / Wound Swab	Culture & identification	As documented in HA/PAT/MI/AK-04
Scrapping/vitreous Fluid	Genome Detection	(croBEE& Rotor Gene Qiagen) as documented in HA/PAT/MI/AK-33 &
	Varicella zoster virus	Real-time Polymerase Chain Reaction /
	BK/JC Genome Detection	Real-time Polymerase Chain Reaction / (croBEE& Rotor Gene Qiagen) as documented in HA/PAT/MI/AK-33 &
	Herpes Simples Virus 1 &2 Genome Detection	Real-time Polymerase Chain Reaction / (croBEE& Rotor Gene Qiagen) as documented in HA/PAT/MI/AK-33 &
	Detection	(croBEE& Rotor Gene Qiagen) as documented in HA/PAT/MI/AK-33 &
	Epstein-Barr Virus Genome	Real-time Polymerase Chain Reaction /
Serum, Bal	Aspergillus Galactomannan Antigen	Indirect chemiluminescent immunoassay (CLIA) method, Monotest / (Virclia) as documented in HA/PAT/MI/AK-35 and HA/PAT/MI/TPM M05
Mycobacteriology Sputum / Bal/ Body Fluid / Csf / Tracheal Aspirate	Acid fast bacilli smear	Microscopic using Auramine O or Ziehl- Neelsen staining as documented in HA/PAT/MI/AK-13
Urogenital	Culture & identification	As documented in HA/PAT/MI/AK-06

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General Hematology Whole Blood	G6PD (screening)	Enzymatic Qualitative Method as documented in HA/PAT/BK/AK-
	ESR	Modified Westergren Method as
	Platelet Count	Sheath Flow DC Detection Method
	Hematocrit	Sheath Flow DC Detection Method
	Hemoglobin	SLS-Hemoglobin Method as documented in HA/PAT/IN/TPM-J3 & HA/PAT/IN/AK-01
	White Cell Count	Flowcytometry Method using Semi-
	Red Cell Count	Sheath Flow DC Detection Method
	Cyclosporine	CMA method as documented in HA/PAT/BK/AK-
	po2	Amperometric method as documented in
	GasespH, pCO ₂	HA/PAT/IN/AK-15 Pengendalian Analyzer
	Arterial Blood	Potentiometric method as documented in

SCOPE OF MEDICAL TESTING : MEDICAL MICROBIOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
All Culture And Sensitivity Tests	Automated Identification System	As documented in HA/PAT/MI/AK-35
Bacteriology Antibiotic Susceptibility Testing	Disc Diffusion	As documented in HA/PAT/MI/AK-10
Blood	Culture, microscopic & identification	As documented in HA/PAT/MI/AK-01
Bronchial Aspirate	Culture & identification	As documented in HA/PAT/MI/AK-05
Ear & Eye	Culture & identification	As documented in HA/PAT/MI/AK-04
Mycology Serology Serum, Bal	Aspergillus Galactomannan Antigen	Indirect chemiluminescent immunoassay (CLIA) method, Monotest / (Virclia) as documented in HA/PAT/MI/AK-365 and HA/PAT/MI/TPM M05
Nasal	Culture & identification	As documented in HA/PAT/MI/AK-05

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Molecular Plasma (in Edta Tube) Urine Smear/swab Other Body Fluids Csf Pleural Fluid Corneal Scrapping/vitreous Fluid	Cytomegalovirus Genome Detection	Real-time Polymerase Chain Reaction / (croBEE& Rotor Gene Qiagen) as documented in HA/PAT/MI/AK-33 & HA/PAT/MI/AK-40
Respiratory Sputum	Culture, microscopic & identification	As documented in HA/PAT/MI/AK-05
Bacterial Serology serum	Herpes Simples Virus 2 IgM	Indirect chemiluminescent immunoassay (CLIA) method, Monotest / (Virclia) as
	Herpes Simples Virus 2 IgG	Indirect chemiluminescent immunoassay
	Herpes Simples Virus 1	Indirect chemiluminescent immunoassay (CLIA) method, Monotest / (Virclia) as
	IgG	(CLIA) method, Monotest / (Virclia) as
	Herpes Simples Virus 1	Indirect chemiluminescent immunoassay
	Capsid Antigen (VCA) IgG	method as documented in HA/PAT/MI/AK-
	Epstein-Barr Virus Viral	Chemiluminescence method / (Architect)
	Toxoplasma gondii IgM	Chemiluminescence method / (Architect) method as documented in HA/PAT/MI/AK-
	Toxoplasma gondii IgG	Chemiluminescence method / (Architect)
	Rubella IgM	Chemiluminescence method / (Architect) method as documented in HA/PAT/MI/AK-
	Rubella IgG	Chemiluminescence method / (Architect)
	Cytomegalovirus IgM	Chemiluminescence method / (Architect)
	Cytomegalovirus IgG	Chemiluminescence method / (Architect)
	HIV supplementary Anti-Hbc IgM	Particle Agglutination method as Chemiluminescence method / (Architect)
	HCV Antigen	Chemiluminescence method / (Architect)
	HBeAg	Chemiluminescence method / (Architect)
	Anti-HBe	Chemiluminescence method / (Architect)
	HBsAb	Chemiluminescence method / (Architect)
	HBsAg	Chemiluminescence method / (Architect)

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anti-HCV screening	Chemiluminescence method / (Architect) method as documented in HA/PAT/MI/AK-
HIV screening	Chemiluminescence method / (Architect) method as documented in HA/PAT/MI/AK-
Dengue IgM	EIA method. Method as documented in HA/PAT/MI/AK-23and HA/PAT/MI/AK-36
ANA screening & pattern Anti-dsDNA	Immunofluorescence method (IF) method as documented in HA/PAT/MI/AK-22
Rheumatoid Ractor	Latex Agglutination method as documented in HA/PAT/MI/AK-14
TPPA	Particle Agglutination method as documented in HA/PAT/MI/AK-15
Rapid Plasma Reagin (RPR)	Latex Agglutination method as documented in HA/PAT/MI/AK-15
Anti-streptolysin 'O' Titre (ASOT)	Latex Agglutination method as documented in HA/PAT/MI/AK-20
Anti-Mycoplasma pneumoniae Antibodies	Particle Agglutination method as documented in HA/PAT/MI/AK-19
Lambda Free LightChain	Enhance particle nephelometric as documentedin HA/PAT/BK/AK-14 BNProspect
Kappa Free LightChain	Enhance particle nephelometric as documentedin HA/PAT/BK/AK-14 BNProspect
Fructosamine	Colorimetric as documented in HA/PAT/AM AK-21
Troponin	Chemiluminescent as documented in HA/PAT/AM
Vitamin B12	Chemiluminescent as documented in HA/PAT/AM
TSH	Chemiluminescent as documented in HA/PAT/AM
Free T4	Chemiluminescent as documented in HA/PAT/AM
Free T3	Chemiluminescent as documented in HA/PAT/AM
ThCG	Chemiluminescent as documented in HA/PAT/AM
Folate	Chemiluminescent as documented in HA/PAT/AM
Ferritin	Chemiluminescent as documented in HA/PAT/AM
Cortisol	Chemiluminescent as documented in HA/PAT/AM
Methotrexate	CMIA method as documented in HA/PAT/BK/AK-08

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	Vancomycin	Homogeneous particle-enhanced turbidimetric
	Gentamycin	Homogenous Enzyme Immunoassay (Emit) as
	Salicylate	Homogenous Enzyme Immunoassay (Emit Tox)
	Acetaminophen	Homogenous Enzyme Immunoassay (Emit Tox)
Sterile Body Fluid	Cell count for Body Fluid and CSF	As documented in HA/PAT/MI/AK 37- SYSMEX XN-1000 (Body Fluid Mode)
	Culture, microscopic & identification	As documented in HA/PAT/MI/AK-03
Stool	Occult blood	As documented in HA/PAT/MI/TPM G03
	Culture & identification	As documented in HA/PAT/MI/AK-08
	Identification and Sensitivity of C.difficile from stool specimen.	As documented in HA/PAT/MI/AK-39
	Rotavirus Antigen	As documented in HA/PAT/MI/TPM G04
Throat	Ova & cysts	Microscopic-wet smear as documented in As documented in HA/PAT/MI/AK-08
	Culture & identification	As documented in HA/PAT/MI/AK-05
Tracheal Aspirate	Culture & identification	As documented in HA/PAT/MI/AK-05
Urine	Microscopy	UrisedAnalyser / Kova slide
	Culture & identification	Semi quantitative -" calibrated urine strip as documented in HA/PAT/MI/AK-07
	Paraquat	In vitro qualitative as documented in HA/PAT/BK/AK-11
	Urine Biochemistry	Erba Laura XL, Erba Laura & Cobas u411 as
	Chloride	Ion Selective Electrode as documented in
	Potassium	Ion Selective Electrode as documented in
	Sodium	Ion Selective Electrode as documented in
Csf	Culture, microscopic & identification bacterial antigen	As documented in HA/PAT/MI/AK-02 Latex Agglutination

NOTE :