


Schedule

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LABORATORY LOCATION: (PERMANENT LABORATORY) 	Jabatan Patologi, Hospital Selayang Lebuhraya Selayang-Kepong, 68100 Batu Caves, Selangor , 68100, SELANGOR MALAYSIA
ACCREDITED SINCE :	19 MARCH 2025
FIELD(S) OF MEDICAL TESTING :	CHEMICAL PATHOLOGY CYTOPATHOLOGY HAEMATOLOGY 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 Communiqué, November 2021)

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CENTRAL LOCATION	Jabatan Patologi, Hospital Selayang Lebuhraya Selayang-Kepong, 68100 Batu Caves, Selangor , 68100, Selangor
FIELD(S) OF MEDICAL TESTING :	CHEMICAL PATHOLOGY, CYTOPATHOLOGYHAEMATOLOGYHISTOPATHOLOGYMEDICAL MICROBIOLOGY

SCOPE OF MEDICAL TESTING : CHEMICAL PATHOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods,Specifications/ Equipment/Techniques Used
Bacte-serology	Cryptotoccal Antigen	None
Bacteriology Urine	Culture &Sensitivity	Macroscopic Examination, Cell Count, Culture, Identification and Sensitivity Test as documented in
	Culture &Sensitivity	HS/JP/WI(MB:10)- 002/Section 1
Blood	Culture &Sensitivity	Macroscopic Examination, Cell Count, Culture, Identification and Sensitivity Test as documented in
	Culture &Sensitivity	HS/JP/W1(MB:10)- 002/Section 11
	Malaria Parasite	Microscopy Examination, Thick & Thin Blood Smear, and GiemsaStainas documented in
	Malaria Parasite	HS/JP/WI(MB:10)- 012\Section 2
	Microfilaria	Microscopy Examination, Thick & Thin Blood Smear, and Giemsa Stain as documented in HS/JP/WI(MB:10)- 012\Section3
	Gram stain, Culture & Sensitivity	Manual method As documented in HTPG/JP/MIC/AK-03, HTPG/JP/MIC/AK-24, HTPG/JP/MIC/AK-29 and HTPG/JP/MIC/AK-32
	Total BHCG	Abbott Architect C18200 based on Chemiluminescent Microparticle Immunoassay (CMIA) technology as documented in LWI-IH33
	IPTH	Abbott Architect based on Chemiluminescent Microparticle Immunoassay (CMIA) technology as documented in LWI-IH26
	Blood Grouping	ABO Rh Grouping (Tube Method & Gel Card Method) Method as documented in

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	Blood Grouping	SASMEC@IIUM/PALM/TRAN/WI 101 and SASMEC @IIUM/PALM/TRAN/W1102
	Antibody Screening	Indirect Coombs test (Gelcard Method & Tube Method) Method as documented in SASMEC@IIUM/PALM/TRAN/WI105 And SASMEC@IIUM/PALM/TRAN/WI106
	Compatibility Testing	Group Crossmatch (Tube method & Gelcard method) Method as documented in
	Compatibility Testing	SASMEC@IIUM/PALM/TRAN/WI 107 and SASMEC @IIUM/PALM/TRAN/W1108
	Direct Antiglobulin Test (DAT)	Direct Coombs test (Tube Method & Gelcard Method) Method as documented in
	Direct Antiglobulin Test (DAT)	SASMEC@IIUM/PALM/TRAN/WI 103 and SASMEC@IIUM/PALM/TRAN/W1104
	Storage and release of blood and blood products to patients including blood procurement, production of blood components and activities prior to supply blood stock to transfusion testing	Management of Blood & Blood Component Stock Method as documented in SASMEC@IIUM/PALM/TRAN/WP05
	Microscopy ? Gram Stain	Gram staining method as documented in SASMEC@IIUM/PALM/MIC-W1313
	Culture, identification and Sensitivity	Culture, identification and Sensitivity methods as documented in; SASMEC@IIUM/PALM/MIC-W10201 SASMEC@IIUM/PALM/MIC-W10202 SASMEC@IIUM/PALM/MIC-WI0301 SASMEC@IIUM/PALM/MIC-WI10314 SASMEC@IIUM/PALM/MIC-WI0315 SASMEC@IIUM/PALM/MIC-W10205
Blood Transfusion Service Blood	ABO & Rh Grouping	Tube Method / Tube Techniques HS/JP/W1(BB:06)-003
	ABO & Rh Grouping	IH-500 HS/JP/W1(BB:06)-020
	Group Screen & Hold (GSH)	Tube Techniques, Gel Card HS/JP/W1(BB:06)-003 & HS/JP/W1(BB:06)-004
	Group Screen & Hold (GSH)	IH-500 HS/JP/W1(BB:06)-020
	Crossmatching	Gel Card / Tube Techniques HS/JP/W1(BB:06)-004 & HS/JP/W1(BB:06)-012
	Direct Coombs Test	Gel Card

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	Direct Coombs Test	HS/JP/W1(BB:06)-005
	Indirect Coombs Test	Gel Card
	Indirect Coombs Test	HS/JP/W1(BB:06)-006
	Indirect Coombs Test	IH-500
	Indirect Coombs Test	HS/JP/W1(BB:06)-020
Blood,skin, Tissue, Nail, Corneal Scrapping, Pus, Csf And Bronchiol Washing	Culture & Identification (for yeast)	Microscopic Examination, Culture and Identification Test as documented in HS/JP/W1(MB:10)- 004\Section 20
Bone Marrow	Bone Marrow Aspiration Smear	Staining and Microscopic Observation
	Bone Marrow Aspiration Smear	HS/JP/W1(HM:08)-013-015
	Bone marrow examination	Slide routine staining: (Automated) as documented in; SASMEC@IIUM/PALM/HAE-WI0101/WI0105 Haematology Slide Stainer Cytocentrifuge Manual
	Bone marrow examination	Slide preparation and routine staining (Manual)
	Bone marrow examination	May Grunwald Giemsa staining as documented in SASMEC@IIUM/PALM/HAE-WP03 SASMEC@IIUM/PALM/HAE-WI0301
	Bone marrow examination	Slide preparation and routine staining (Manual)
	Bone marrow examination	Perl's staining as documented in SASMEC@IIUM/PALM/HAE-WP03 SASMEC@IIUM/PALM/HAE-WI0302
	Bone marrow examination	Slide preparation and special staining (Manual)
	Bone marrow examination	Periodic Acid Schiff (PAS) staining as documented in SASMEC@IIUM/PALM/HAE-WP03 SASMEC@IIUM/PALM/HAE-WI0304
	Bone marrow examination	Slide preparation and special staining (Manual)
	Bone marrow examination	Peroxidase (POX) staining as documented in SASMEC@IIUM/PALM/HAE-WP03 SASMEC@IIUM/PALM/HAE-WI0305

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Cerebrospinal Fluid	Culture &Sensitivity	Macroscopic Examination, Cell Count, Culture, Identification and Sensitivity Test as documented in
	Culture &Sensitivity	HS/JP/WI(MB:10)- 002/Section 12
	Gram stain, Culture & Sensitivity	Manual method As documented in HTPG/JP/MIC/AK-04, HTPG/JP/MIC/AK-24, HTPG/JP/MIC/AK-29 and HTPG/JP/MIC/AK-32
Cord Blood/whole Blood	Glucose-6- phosphate Dehydrogenase (Screening)	UV-Light Detection (Fluorescent) HS/JP/W1(HM:08)-008
Csf	Cryptotoccal Antigen	Lateral Flow as documented in HS/JP/W1(MB:10)-004/Section 28
Faeces	Faecal Occult Blood	Immunochromatographic as documented in HS/JP/WI (CP;07)-012 Stool Occult Blood
	Culture &Sensitivity	Macroscopic Examination, Cell Count, Culture, Identification and Sensitivity Test as documented in
	Culture &Sensitivity	HS/JP/WI(MB:10)- 002/Section 4 & 5
	Culture & Sensitivity	Manual method As documented in HTPG/JP/MIC/AK-09, HTPG/JP/MIC/AK-24, HTPG/JP/MIC/AK-29 and HTPG/JP/MIC/AK-32
Fluid	Non-Gynaecological Cytopathology (Non-GYN Cytopathology)	HS/JP/WI(HC:09)-017B: Processing Of Cytology Specimen - Non Gynaecological
	Non-Gynaecological Cytopathology (Non-GYN Cytopathology)	PAP & MGG stain
Fresh Tissue	Immunofluorescence	WI Title: Immunofluorescent
	Immunofluorescence	Test HS/JP/WI (HC:09)-022
	Frozen sections	WI Title: Frozen section
	Frozen sections	HS/JP/WI (HC:09)-008
Fungal	Microfilaria	None
Immunology Serum	Anti Nuclear Antibodies (ANA)	CLIA. BIO-FLASH as documented in HS/JP/WI(MB:10)-014/Section 2
	Anti Nuclear Antibodies (ANA)	Immunofluorescence. (IF) Helmed as documented in HS/JP/WI(MB:10)- 014/Section 3
	Anti Ds DNA	CLIA (Chemiluminescent Immunoassay). BIO-FLASH as documented in HS/JP/WI(MB:10)- 014/Section 7

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Extractable Nuclear Antigen (ENA)	CLIA. BIO-FLASH as documented in HS/JP/WI(MB:10)-014/Section 9
Scl-70	None
Ro60	None
sm	None
Ro52	None
Ribo_P	None
RNP	None
Jo-1	None
SSB	None
Centromere	None
Anti-neutrophil Cytoplasmic Antigen (ANCA)	Immunofluorescence. Helmed as documented in HS/JP/WI(MB:10)- 014/Section 24
Tissue/Liver Autoantibody Screening: Anti Smooth Muscle e	Immunofluorescence. Helmed as documented in HS/JP/WI(MB:10)- 014/Section 10
(ASMA) Anti Mitochondrial e	None
Antibody (AMA) Anti Liver Kidney e Microsomes Antibody (LKM)	None
Anti-Gastric Parietal e	None
Cell (GPC)	None
Anti-Intrinsic Factor Antibody	EIA. Personal Lab as documented in HS/JP/WI(MB:10)-014/Section 25
Liver Specific Autoantibodies: AMA-M2	Line Immunoassay (LIA) as documented in
M2-3E (BPO) \$p100 PML	HS/JP/WI(MB:10)- 014/Section 12
Gp210 LKM-1	None
LC-1	None
SLA/LP	None
Ro-52	None
Anti-phospholipid Antibodies: Anti-cardiolipin IgG e Anti-cardiolipin IgM e Anti Beta 2 Glycoprotein e IgG Anti Beta 2 Glycoprotein e IgM	CLIA (Chemiluminescent Immunoassay) BIO-FLASH as documented in: HS/JP/WI(MB:10)- 014/Section 19
Rheumatoid Factor Antibody IgM	Latex Agglutination as documented in HS/JP/WI(MB:10)-009/Section 5
Cyclic Citrullinated Peptide Antibody, IgG	CLIA BIO-FLASH as documented in HS/JP/WI(MB:10)-014/Section 22
Glomerular	EIA. Personal Lab as documented
Basement Membrane Antibody	in HS/JP/WI(MB:10)-014/Section 23

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	Anti Myeloperoxidase Antibody (MPO)	CLIA BIO-FLASH as documented in HS/JP/WI(MB:10)-014/Section 18b
	Anti Proteinase 3 (PR3)	CLIA BIO-FLASH as documented in HS/JP/WI(MB:10)-014/Section 18a
Nasopharyngeal Swab	Rapid Test COVID19 Ag	Immunochromatography as documented in HS/JP/WI(MB:10)- 009/Section 12
Nasopharyngeal Swab / Nasopharyngeal Swab	SARS COV-2 / COVID19	1. Real Time Polymerase Chain Reaction (PCR). Abbott m2000 as documented in HS/JP/WI (MBL10)- 017/Section 3
	SARS COV-2 / COVID19	2. Real Time Polymerase Chain Reaction (PCR). Alinity as documented in HS/JP/WI(MB:10)- 017/Section 3A
Parasitology Faeces	Ova and Cyst	Microscopy Examination, Direct Faecal Smear using Normal-Saline and Iodine as documented in HS/JP/WI(MB:10)- 011\Section 1
Plasma	Ammonia	GLDH ? UV on Beckman Coulter AU5800 as documented in HS/JP/W1 (CP;07)-024 Test on Beckman Coulter AU5800
	Lactate	Enzymatic LOD-POD on Beckman Coulter AU5800 as documented in HS/JP/WI (CP;07)- 024 Test on Beckman Coulter AU 5800
	Mycophenolic Acid	EMIT on Viva E (Siemens) as documented in HS/JP/WI (CP:07)- 014 Test on VIVA E (Siemens)
	Prothrombin Time (PT)	Clotting Activity HS/JP/W1(HM:08)- 007
	Activated Partial Thromboplastin Time (APTT)	Clotting Activity HS/JP/W1(HM:08)- 007
	Fibrinogen Estimations (FIB)	Clotting Activity HS/JP/W1(HM:08)- 007
	International Normalised Ratio (INR)	Clotting Activity HS/JP/W1(HM:08)- 007
	D-Dimer Quantitative	Change in turbidity of a microparticle suspension measured by photometry
	Coagulation Mixing Test: APTT/PT	Clotting Activity HS/JP/W1(HM:08)- 017

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	Ammonia	Glutamate Dehydrogenase as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
	Lactate (LacticAcid)	Lactic Acid to Pyruvate (L to P) as documented in Arahan Kerja Pengendalian Ujian Pada Alinity (HTPG/JP/CHM/AK-02)
	PT/ INR	Mechanical clot detection
	PT/ INR	Analyser: Stago Compact/ Max All methods and specifications as documented in HTPG/JP/HEM/AK-04
	APTT	Mechanical clot detection
	APTT	Analyser: Stago Compact/ Max All methods and specifications as documented in HTPG/JP/HEM/AK-05
	Fibrinogen	Clauss method Analyser: Stago Compact/ Max All methods and specifications as documented in HTPG/JP/HEM/AK-06
	D-Dimer	Turbidimetry Analyser: Stago Compact/ Max All methods and specifications as documented in HTPG/JP/HEM/AK-07
	Glucose (Plasma)	Hexokinase Method. Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SASMEC@IIUM/PALM/INT-WI0203
Plasma /	Calcium, Total	Cresolphthalein Complexone on Beckman Coulter AU 5800 as documented in HS/JP/W1
Plasma / Serum	Alanine transaminase (ALT)	IFCC (modified) on Beckman Coulter AU5800 as documented in HS/JP/WI (CP;07) 024Test on Beckman Coulter AU 5800
	Albumin	Bromocresol green (BCG) on Beckman Coulter 5800 as documented in HS/JP/WI (CP;07)-024 Test on Beckman Coulter AU 5800
	Alkaline phosphatase (ALP)	IFCC Nitrophenyl phosphate ? AMP buffer on Beckman Coulter AU5800 as documented in
	Alkaline phosphatase (ALP)	HS/JP/WI (CP;07)-024 Test on Beckman Coulter AU 5800

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Amylase	Substrate Ethylidene -G7PNP (IFCC) on Beckman Coulter AU5800 as documented in
Amylase	HS/JP/WI (CP;07)- 024 Test on Beckman Coulter AUS800
Aspartate transaminase (AST)	Kinetic UV IFCC (modified) on Beckman Coulter AU5800 as documented in HS/JP/WI (CP;07) 024 Test on Beckman Coulter AU5800
Bilirubin, Total	DPD on Beckman Coulter AU5800 as documented in HS/JP/W1 (CP;07) 024 Test on Beckman Coulter AU5800
Bilirubin, Direct	DPD on Beckman Coulter AU5800 as documented in HS/JP/W1 (CP;07) 024 Test on Beckman Coulter AU5800
Creatine Kinase	IFCC/DGKC, CK-Nac Optimised UV on Beckman Coulter AU5800 as documented in
Creatine Kinase	HS/JP/WI (CP;07)-024 Test on Beckman Coulter AU 5800
Gamma glutamyl transpeptidase (GGT)	IFCC-? substrate L-gamma-glutamyl-3-carboxy-4-nitroanilide, on Beckman Coulter AU5800 as documented in HS/JP/WI (CP;07)- 024 Test on Beckman Coulter AU 5800
Gentamicin	EMIT on Beckman Coulter AU5800 as documented in HS/JP/W1 (CP;07)-024 Test on Beckman Coulter AU 5800
Lactate Dehydrogenase (LDH)	IFCC Lactate to Pyruvate on Beckman Coulter AU5800 as documented in HS/JP/WI (CP;07)- 024 Test on Beckman Coulter AU 5800
Magnesium	Xylidyl Blue on Beckman Coulter AU5800 as documented in HS/JP/WI (CP;07)-024 Test on Beckman Coulter AU 5800
Phosphate, Inorganic	Phosphomolybdate Formation ? UV on Beckman Coulter AU5800 as documented in
Phosphate, Inorganic	HS/JP/WI (CP;07)-024 Test on Beckman Coulter AU 5800

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	Protein, Total	Biuret Method, on Beckman Coulter AU5800 as Documented in HS/JP/WI (CP;07)-024 Test on Beckman Coulter AU 5800
	Sodium	Ion Selective Electrode, Indirect Method on Beckman Coulter AU5800 as documented in
	Sodium	HS/JP/WI (CP;07)-024 Test on Beckman Coulter AU 5800
	Urea	Urease ? PAP on Beckman Coulter AU5800 as documented in HS/JP/WI
	Urea	(CP;07)-024 Test on Beckman Coulter AU 5800
	Uric acid	Uricase-PAP on Beckman Coulter AU5800 as documented in HS/JP/WI
	Uric acid	(CP;07)-024 Test on Beckman Coulter AU 5800
Plasma / Serum Urine	Chloride	ISE- indirect on Beckman Coulter AU5800 as
	Chloride	documented in (CP;07)-024 Test on Beckman Coulter AU 5800
	Potassium	Indirect Ion Selective Electrode on Beckman Coulter AU5800 as documented in HS/JP/WI
	Potassium	(CP;07)-024 Test on Beckman Coulter AU 5800
Plasma / Serum Urine Dialysate	Creatinine	Enzymatic Method on Beckman Coulter AU5800 as documented in HS/JP/WI (CP;07)- 024 Test on Beckman Coulter AU 5800
Plasma / Serum Urine, Csf	Glucose	Hexokinase on Beckman Coulter AU5800 as documented in HS/JP/WI (CP;07)-024 Test on Beckman Coulter AU 5800
Pus, Genital And Tissue	Culture &Sensitivity	Macroscopic Examination, Cell Count, Culture, Identification and Sensitivity Test as documented in
	Culture &Sensitivity	HS/JP/WI(MB:10)- 002/Section 6,7,8 & 14
Respiratory	Culture &Sensitivity	Macroscopic Examination, Cell Count, Culture, Identification and Sensitivity Test as documented in
	Culture &Sensitivity	HS/JP/WI(MB:10)- 002/Section 2 & 3
	AFB Smear	Macroscopic Examination and Ziehl- Nielsen Stain &Auramine as
	AFB Smear	documented in: HS/JP/WI(MB:10)- 004/Section 1

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Serum	Acetaminophen	EMIT on Beckman Coulter AU5800 as documented in HS/JP/W1 (CP;07)-024 Test on Beckman Coulter AU 5800
	Alpha feto protein	Immunoenzymatic assay on Dx1800 Beckman Coulter as documented in HS/JP/WI (CP;07)- 027 Test on Dx1800 Immunoassay Analyzer
	Alpha-1 antitrypsin	Immunoturbidimetry on Beckman Coulter AU5800 as documented in HS/JP/WI (CP;07)- 024 Test on Beckman Coulter AU5800
	Amikacin	EMIT on Beckman Coulter AU5800 as documented in (CP;07)-024Test on Beckman Coulter AU 5800
	Anti-Thyroglobulin	Chemiluminescence on Dx1800 Beckman Coulter as documented in
	Anti-Thyroglobulin	HS/JP/WI (CP;07) -027 Test on Dx1800 Immunoassay Analyzer
	Anti-Thyroid Peroxidase	Immunoenzymatic assay on Dx1800 Beckman Coulter as documented in
	Anti-Thyroid Peroxidase	HS/JP/WI (CP;07) -027 Test on Dx1800 Immunoassay Analyzer
	Beta Human Chorionic	Immunoenzymatic assay on Dx1800 Beckman Coulter-as documented in
	Gonadotrophin (beta- hCG)	HS/JP/WI (CP;07) - 027 Test on Dx Immunoassay Analyzer
	C-Reactive Protein (CRP)	Immunoturbidimetry latex on Beckman Coulter AU5800 as documented in HS/JP/WI
	C-Reactive Protein (CRP)	(CP;07) 024Test on Beckman Coulter AU5800
	CA 19-19	Chemiluminescence on
	CA 19-19	Beckman Coulter as documented in
	CA 19-19	HS/JP/WI (CP;07)- 027 Test on Dx1800 Immunoassay Analyzer
	CA 125	Chemiluminescence on Beckman Coulter as documented in
	CA 125	HS/JP/WI (CP;07) -027 Test on Dx1800 Immunoassay Analyzer
	Carbamazepine	Homogenous enzyme Immunoassay on Beckman Coulter AU5800 as documented in

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Carbamazepine	HS/JP/WI (CP:07)- 024 Test on Beckman Coulter AU5800
Carcinoembryonic Antigen (CEA)	Chemiluminescence on Dxl800 Beckman Coulter as documented in HS/JP/WI (CP:07)- 027 Test on Dxl800 Immunoassay Analyzer
Caeruloplasmin	Immunoturbidimetry on Beckman Coulter AU5800 as documented in HS/JP/WI (CP:07)- 024 Test on Beckman Coulter AU5800
Cholesterol, HDL	Immunology Inhibition Method on Beckman Coulter AU5800 as documented in HS/JP/WI
Cholesterol, HDL	(CP:07)-024 Test on Beckman Coulter AU 5800
Cholesterol, Total	CHOD ? PAP Method on Beckman Coulter AU5800 as documented in HS/JP/WI (CP:07)- 024 Test on Beckman Coulter AU 5800
Cholinesterase	GSCC (1994) Photometric Method on Beckman Coulter AU5800 as documented in
Cholinesterase	HS/JP/WI (CP:07)-024 Test on Beckman Coulter AU 5800
Complement C3	Immunoturbidimetry on Beckman Coulter AU5800 as documented in HS/JP/WI (CP:07)- 024 Test on Beckman Coulter AU 5800
Complement C4	Immunoturbidimetry on Beckman Coulter AU5800 as documented in HS/JP/WI (CP:07)- 024 Test on Beckman Coulter AU 5800
Creatine Kinase MB (CKMB)	Immunoenzymatic assay on Dxl800 Beckman Coulter as documented in HS/JP/WI (CP:07)- 027 Test on Dxl800 Immunoassay Analyzer
Digoxin	Immunoinhibition test on Beckman Coulter AU5800 as documented in HS/JP/WI (CP:07)- 024 Test on Beckman Coulter AU 5800
Ferritin	Chemiluminescence on Dxl800 Beckman Coulter as documented in HS/JP/WI (CP:07)- 027 Test on Dxl800 Immunoassay Analyzer

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Folate	Chemiluminescence on on Dxl800 Beckman Coulter as documented in HS/JP/WI (CP:07)- 027 Test on Dxl800
Follicular Stimulating Hormone (FSH)	Chemiluminescence on on Dxl800 Beckman Coulter as documented in HS/JP/WI (CP:07)- 027 Test on Dxl800 Immunoassay Analyzer
Immunoglobulin A (IgA)	Immunoturbidimetry on Beckman Coulter AU5800 as documented in HS/JP/WI (CP;07)- 024 Test on Beckman Coulter AU 5800
Immunoglobulin G (IgG)	Immunoturbidimetry on Beckman Coulter AU5800 as documented in HS/JP/WI (CP;07)- 024 Test on Beckman Coulter AU 5800
Immunoglobulin M (IgM)	Immunoturbidimetry on Beckman Coulter AU5800 as documented in HS/JP/WI (CP;07)- 024 Test on Beckman Coulter AU 5800
Iron	TPTZ coloured complex method on Beckman Coulter AU5800 as documented in HS/JP/WI
Iron	(CP;07)-024 Test on Beckman Coulter AU 5800
Luteinising Hormone (LH)	Chemiluminescence on on Dxl800 Beckman Coulter as documented in HS/JP/WI (CP:07)- 027 Test on Dxl800 Immunoassay Analyzer
Phenobarbital	EMIT on Beckman Coulter AU5800 as
Phenobarbital	documented in HS/JP/W1 (CP;07)-024 Test on Beckman Coulter AU 5800
Phenytoin	EMIT on Beckman Coulter AU5800 as
Phenytoin	documented in HS/JP/WI (CP;07)-024 Test on Beckman Coulter AU 5800
Progesterone	Chemiluminescence on Dxl800 Beckman Coulter as documented in HS/JP/WI (CP:07)- 027 Test on Dxl800 Immunoassay Analyzer
Prolactin	Chemiluminescence on on Dxl800 Beckman Coulter as documented in HS/JP/WI (CP:07)- 027 Test on Dxl800 Immunoassay Analyzer

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Prostatic Specific Antigen, Total (PSA)	Chemiluminescence on on Dxl800 Beckman Coulter as documented in HS/JP/WI (CP:07)- 027 Test on Dxl800 Immunoassay Analyzer
Salicylate	EMIT on Beckman Coulter AU5800as
Salicylate	documented in (CP;07)-024 Test on Beckman Coulter AU 5800
Testosterone	Chemiluminescence on Dxl800 Beckman Coulte as documented in (CP:07)- 027 Test on Dxl800 Immunoassay Analyzer
Thyroid Stimulating Hormone (TSH)	Chemiluminescence on Dxl800 Beckman Coulter as documented in HS/JP/WI (CP:07)- 027 Test on Dxl800 Immunoassay Analyzer
Thyroxine, Free (FT4)	Chemiluminescence on Dxl800 Beckman Coulter as documented in HS/JP/WI (CP:07)- 027 Test on Dxl800 Immunoassay Analyzer
Triiodotyronine, Free (FT3)	Chemiluminescence on Dxl800 Beckman Coulter as documented in HS/JP/WI (CP:07)- 027 Test on Dxl800 Immunoassay Analyzer
Unsaturated Iron Binding Capacity (UIBC)	Bathophenanthroline Nitroso-PSAP method on Beckman Coulter AU5800 as documented
Unsaturated Iron Binding Capacity (UIBC)	in HS/JP/WI (CP;07)-024 Test on Beckman Coulter AU 5800
Triglycerides	Enzymatic method as documented in HS/JP/WI (CP:07)- 024 Test on Beckman Coulter AU5800
Valproic acid	Homogeneous enzyme Immunoassay EMIT on Beckman Coulter AU5800 as documented
Valproic acid	in HS/JP/WI (CP;07)-024 Test on Beckman Coulter AU 5800
Vancomycin	EMIT on Beckman Coulter AU5800 as documented in HS/JP/WI
Vancomycin	(CP;07)-024 Test on Beckman Coulter AU 5800
Vitamin B12	Chemiluminescence on
Vitamin B12	Beckman Coulter as documented in

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Vitamin B12	HS/JP/W1 (CP:07)- 027 Test on Immunoassay Analyzer
Leptospira IgM	Immuno chromatography as documented in HS/JP/W1(MB:10)- 009/Section 11
Treponema Pallidum Particle Agglutination (TPPA)	Flocculation as documented in 4
Rapid Plasma Reagin (RPR)	Latex Agglutination as documented in HS/JP/W1(MB:10)-009/Section 3
Anti-Streptolysin O (ASOT)	Latex Agglutination as documented in HS/JP/W1(MB:10)-009/Section 6
HIV Supplementary Test	Particle Agglutination as documented in
HIV Supplementary Test	HS/JP/W1(MB:10)- 009\Section 1a
Dengue IgM	EIA. Personal Lab as documented in HS/JP/W1(MB:10)-007/Section 1
HBV Viral Load	1. Real Time Polymerase Chain Reaction (PCR). Abbott m2000 as documented in HS/JP/W1(MB:10)- 017/Section 1
HBV Viral Load	2. Real Time Polymerase Chain Reaction (PCR). Alinity as documented in HS/JP/W1(MB:10)- 017/Section 3A
HCV Viral Load	1. Real Time Polymerase Chain Reaction (PCR). Abbott m2000 as documented in HS/JP/W1(MB:10)- 017/Section 2
HCV Viral Load	2. Real Time Polymerase Chain Reaction (PCR). Alinity as documented in HS/JP/W1(MB:10)- 017/Section 3A
HBsAg HBs Confirmatory Anti HCV	Chemiluminescent Microparticle Immuno Assay (CMIA), Architect i1000SR As documented in HTPG/JP/SER/AK-02
HIV Ag/Ab	None
Anti HIV-1 and/or HIV-2 Passive Particle	Particle Agglutination As documented in HTPG/JP/SER/AK-03
Agglutination (HIV % PA)	None
Rapid Plasma Reagin (RPR)	Flocculation As documented in HTPG/JP/SER/AK-04

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Treponema Pallidum Particle Agglutination (TPPA)	Particle Agglutination As documented in HTPG/JP/SER/AK-05
Anti Streptolysin O Test (ASOT)	Latex Agglutination As documented in HTPG/JP/SER/AK-07
Leptospirosis Rapid Test	Lateral Flow Immunochromatography As documented in HTPG/JP/SER/AK-08
Anti Mycoplasma Pneumoniae Antibody	Particle Agglutination As documented in HTPG/JP/SER/AK-09
Alanine aminotransferase (ALT) (Serum)	IFCC (without P-5-P). Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SAS MEC@IIUM/PALM/INT-W10203
Albumin (Serum)	Bromocresol Green. Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SASMEC@IIUM/PALM/INT-W10203
Alkaline Phosphatase (ALP)	IFCC (pNPP , AMP). Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SASMEC@IIUM/PALM/INT-W10203
AST (GOT) (Serum)	IFCC (without P-5-P). Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SAS MEC@IIUM/PALM/INT-W10203
Chloride (Serum)	Indirect ISE. Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SASMEC@IIUM/PALM/INT-W10203
Cholesterol (Serum)	Enzymatic. Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SASMEC@IIUM/PALM/INT-W10203

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Creatinine (Serum)	Method A (Kinetic Jaffe compensated). Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SAS MEC@IIUM/PALM/INT-W10203
D Bilirubin (Serum)	Diazotization. Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SASMEC@IIUM/PALM/INT-W10203
HDL (Serum)	Enzymatic. Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SASMEC@IIUM/PALM/INT-W10203
Potassium (Serum)	Indirect ISE. Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SASMEC@IIUM/PALM/INT-W10203
Sodium (Serum)	Indirect ISE. Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SASMEC@IIUM/PALM/INT-W10203
Total Bilirubin (Serum)	Diazotization. Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SASMEC@IIUM/PALM/INT-W10203
Total Protein (Serum)	Colorimetric Blue Violet (Biuret method)
Triglyceride (Serum)	Enzymatic. Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SASMEC@IIUM/PALM/INT-W10203
Urea (Serum)	Kinetic urease. Analyzer Beckman Coulter AU680 (labelled as AU680-A and AU680-B) as documented in SASMEC@IIUM/PALM/INT-W10203

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	Hepatitis B screening / Antigen and antibody detection: 4- Hepatitis Bs Antigen Qs Hepatitis Bs Antibody 3- Hepatitis B core Total ab	Chemiluminescence Immunoassay, Beckman Coulter / Method as documented in SAS MEC@IIUM/PALM/MIC-W10203 SASMEC@IIUM/PALM/MIC-WP10
	4- Hepatitis B Confirmatory Ag	None
	Hepatitis C / Antibody detection	Chemiluminescence Immunoassay, Beckman Coulter / Method as documented in
	Hepatitis C / Antibody detection	SASMEC@IIUM/PALM/MIC-W10203 SASMEC@IIUM/PALM/MIC-WP10
	Human Immunodeficiency Virus screening and confirmatory / Antigen/antibody detection	Chemiluminescence Immunoassay, Beckman Coulter / Method as documented in SAS MEC@IIUM/PALM/MIC-W10203 SASMEC@IIUM/PALM/MIC-WP10
	Dengue NS? antigen, IgM & IgG Detection / Antigen Antibody detection	Fluorescence immunoassay, SD Biosensor / Method as documented in SASMEC@IIUM/PALM/MIC-W10401 SASMEC@IIUM/PALM/MIC-W10206
	IgE	Fluorescence-linked Immunosorbent Assay
	IgE	(FLISA) and microarray technology as
	IgE	documented in LP912335523
Serum Plasma Urine	Estradiol	Chemiluminescence on Dxl800 Beckman Coulter as documented in HS/JP/WI (CP:07)- 027 Test on Dxl800 Immunoassay Analyzer
Serum Urine	Calcium, Total	(CP:07)-024Test on Beckman Coulter AU5800
	Cortisol	Chemiluminescence on Dxl800 Beckman Coulter as documented in HS/JP/WI (CP:07)- 027 Test on Dxl800 Immunoassay Analyzer
	Osmolality	Freezing Point on Osmometer OSMO 1 (Advanced Instruments) HS/JP/WI (CP:07)- 008 Total Osmolality in Plasma and Urine by Advance Micro Osmometer Model OSMO 1
	Osmolality	Analyser

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Slide / Fluids	Gynaecological Cytopathology (GYN Cytopathology) Conventional -	HS/JP/WI(HC:09)-017A: Processing Of Cytology Specimen - Gynaecology
	Liquid base	PAP stain
	Fine Needle Aspiration Cytology (FNAC)	HS/JP/WI (HC:09)-017C: Processing Of Cytology Specimen - Fine Needle Aspiration Cytology (FNAC)
	Fine Needle Aspiration Cytology (FNAC)	PAP & MGG stain
Sterile Fluid	Culture &Sensitivity	Macroscopic Examination, Cell Count, Culture, Identification and Sensitivity Test as documented in
	Culture &Sensitivity	HS/JP/WI(MB:10)- 002/Section 9 & 10
Tissue Fixed In 10% Neutral Buffered Formalin	Histopathology Examination	WI Title: General Processing of Tissue Specimens in Histopathology HS/JP/W1 (HC:09)-001
	Immunohistochemistry	WI Title: Immunohistochemistry HS/JP/WI (HC:09)-011 Equipment: Semi AutomatedStainer Brand: DAKO AUTOSTAINER
	Immunohistochemistry	PLUS
Tissue Fixed In 10% Neutral Buffered Formalin / Fresh Tissue	Histochemistry	WI Title: Histochemical stain HS/JP/WI (HC:09)-010
Urine	Urinalysis	Dipstick on IRICELL iChem VELOCITY as documented in
	Urinalysis	HS/JP/WI (CP;07)-016 Urine Full Examination on IRICELL iChem
	Urinalysis	VELOCITY Analyzer
	Urinalysis	Sediment Urine microscopy as documented in HS/JP/W1 (CP; 07)- 017 Urine Full Examination on Iris lo-
	Urinalysis	200 SPRINTAutomated Urine
	Urinalysis	Microscopic Analyser
	Urine Pregnancy Test	Immunochromatographic Test Kit as documented in HS/JP/W1
	Urine Pregnancy Test	(CP;07)-025 Urine One Step Pregnancy Test
	URINE DRUG OPIATE ASSAY (RAPID TEST)	Rapid visual Immunoassay as. documented in DS/LAB/LW 1/003
	URINE DRUG THC ASSAY (RAPID TEST)	Rapid visual Immunoassay as. documented in DS/LAB/LW 1/003
	Urine Pregnancy Test (HCG Rapid Test Strip)	Rapid test strip method by visual interpretation as documented in DS/LAB/LW 1/003

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	UFEME	Test strip method using DiaLab Urine Analyser based on reagent strip method and microscopic method as documented in DS/LAB/LW 1/003
	Culture & Sensitivity	Semi Quantitative Using Dip Strips As documented in HTPG/JP/MIC/AK-05, HTPG/JP/MIC/AK-24, HTPG/JP/MIC/AK-29 and HTPG/JP/MIC/AK-32
	Creatinine	Picrate method as documented in LWICP11
	Urine Protein	Architect ci8200 based on Benzethonium Chloride method as documented in LWI CP47
	Microalbumin	Architect ci8200 based on the Turbidimetric / Immunoturbidimetric method as documented in LWI-CP36
	Microscopy ? Gram Stain	Gram staining method as documented in SASMEC@IIUM/PALM/MIC-WI1313
	Culture, identification and Sensitivity	Culture, identification and Sensitivity methods as documented in; SASMEC@IIUM/PALM/MIC-W10302 SASMEC@IIUM/PALM/MIC-W10202 SASMEC@IIUM/PALM/MIC-WI10314 SASMEC@IIUM/PALM/MIC-WI0315 SASMEC@IIUM/PALM/MIC-W10205
Urine Csf	Protein, Total	Photometric, pyrogallol red and Molybdate on Beckman Coulter AU5800 as documented in HS/JP/WI (CP;07)-024 Test on Beckman Coulter AU 5800
Virology Serum	Hepatitis B Surface Antigen (HBsAg)	Chemiluminescence. Architect i2000SR as documented in HS/JP/WI(MB:10)-015/Section 1 ? cs)
	Hepatitis B Surface Antibody (Anti-HBs)	Chemiluminescence. Architect i2000SR as documented in HS/JP/WI(MB:10)-015/Section 1 ? 5
	Hepatitis B Core Total Antibody (Anti HBc Total)	Chemiluminescence. Architect i2000SR as documented in HS/JP/WI(MB:10)-015/Section 1 ? 5

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	Hepatitis B Core Antibody IgM (Anti-HBc IgM)	Chemiluminescence. Architect i2000SR as documented in HS/JP/WI(MB:10)-015/Section 1 ?
	Hepatitis B Envelope Antigen (HBeAg)	Chemiluminescence. Architect i2000SR as documented in HS/JP/WI(MB:10)-015/Section 1 ? ?
	Hepatitis B Envelope Antibody (Anti-HBe)	Chemiluminescence. Architect i2000SR as documented in HS/JP/WI(MB:10)-015/Section 1 ? 5
	Hepatitis C Virus Antibody (Anti-HCV)	Chemiluminescence. Architect i2000SR as documented in
	Hepatitis C Virus Antibody (Anti-HCV)	HS/JP/WI(MB:10)- 015/Section 1 ? 5
	Hepatitis A Antibody IgG (Anti-HAV IgG)	Chemiluminescence. Architect i2000SR as documented in
	Hepatitis A Antibody IgG (Anti-HAV IgG)	HS/JP/WI(MB:10)- 015/Section 1 ? 5
	Hepatitis A Antibody IgM (Anti-HAV IgM)	Chemiluminescence. Architect i2000SR as documented in HS/JP/WI(MB:10)-015/Section 1 ?
	Human Immunodeficiency Virus HIV Ag/Ab Combo	Chemiluminescence. Architect i2000SR as documented in HS/JP/WI(MB:10)-015/Section 1 ? 5
	Hepatitis C Virus Antigen (HCV Ag)	Chemiluminescence. Architect i2000SR as documented in HS/JP/WI(MB:10)-015/Section 1 ? 5
Whole Blood	Blood Gases	Flow through electrode sensors as documented in HS/JP/WI (CP ;07)-020 pH and Blood Gases on GEM PREMIER 3500
	Cyclosporine	EMIT on Viva E (Siemens) as documented in HS/JP/WI (CP:07)- 014 Test on VIVA E (Siemens)
	Everolimus	Immunoturbidimetry on Beckman Coulter AU5800 as documented in HS/JP/WI (CP;07)- 024 Test on Beckman Coulter AU 5800
	HbA1c	HLPC on Variant II Turbo (Biorad) as documented in HS/JP/WI (CP;07)-011 HbA1c on Variant II Turbo (Biorad)

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Tacrolimus	EMIT on Viva E (Siemens) as documented in HS/JP/WI (CP:07)- 014 Test on VIVA E (Siemens)
Full Blood Count	Flowcytometry Method Hydrodynamic Focusing method SLS-Hemoglobin Method.
Full Blood Count	HS/JP/WI(HM:08)-004
Erythrocyte Sedimentation Rates (ESR)	Westergren Method HS/JP/W1(HM:08)- 005
Full Blood Picture (FBP)	Flowcytometry and Microscopic Examination HS/JP/W1(HM:08)-011
Reticulocytes	Flowcytometry method
Reticulocytes	HS/JP/W1(HM:08)- 004
Hb Analysis	1. High Performance Liquid Chromatography HS/JP/W1(HM:08)-21 2. Capillary Electrophoresis
ABO and RhD Blood Grouping	Manual tube method as documented in Blood Bank Operation Procedure Manual BP020.
Cross-matching	Column Agglutination Technology method as documented in Blood Bank Operation Procedure Manual BP026.
Direct Antiglobulin Test	Column Agglutination Technology method as documented in Blood Bank Procedure Manual, BP085
Full blood Count (FBC)	Cell count using Sysmex XS 500i analyzer as documented in Haematology Procedure Manual YP036.
Full Blood Count	Method: Combination of
(5-part hematology analyser)	Impedence, SLS Hb, Flowcytometry, and calculation
(5-part hematology analyser)	Analyser: Sysmex XN-1000
(5-part hematology analyser)	All methods and specifications as documented in HTPG/JP/HEM/AK-01
(5-part hematology analyser)	Manual Differential count as documented in
(5-part hematology analyser)	HTPG/JP/HEM/AK-11
Reticulocyte count	Flowcytometry method Analyser: Sysmex XN-1000 All methods and specifications as documented in HTPG/JP/HEM/AK-01

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Full Blood Picture	Manual blood smear and staining method using Leishman stain All methods and specifications as documented in HTPG/JP/HEM/AK-10 & AK-12
WBC?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
WBC?s Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/I NT-W10205
RBC?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
RBC?s Count	SASMEC@IIUM/PALM/INT-W10204
Hemoglobin?s Count	Photometric Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented
Hemoglobin?s Count	in SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/I NT-W10205
Hematocrit?s Count	Photometric Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented
Hematocrit?s Count	in SASMEC@IIUM/PALM/INT-W10204
Mean Corpuscular Volume?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Mean Corpuscular Volume?s Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/I NT-W10205
Mean Corpuscular Hemoglobin?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in SAS MEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT-W10205
Mean Corpuscular Hemoglobin Concentration?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in SAS MEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/INT-W10205
RDW?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in

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RDW?s Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/NT-W10205
Platelet?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Platelet?s Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/NT-W10205
Neutrophils?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Neutrophils?s Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/NT-W10205
Lymphocytes?s Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Lymphocytes?s Count	SASMEC@IIUM/PALM/INT-W10204
Monocytes?s Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Monocytes?s Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/NT-W10205
Eosinophil?s Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Eosinophil?s Count	SASMEC@IIUM/PALM/INT-W10204
Basophils?s Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Basophils?s Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/NT-W10205
NE# Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
NE# Count	SASMEC@IIUM/PALM/INT-W10204
LY# Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
LY# Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/NT-W10205
MO# Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in

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MO# Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/NT-W110205
EO# Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
EO# Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/NT-W110205
BA# Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
BA# Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/NT-W10205
Nucleated Red Blood Cell?s Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Nucleated Red Blood Cell?s Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/NT-W10205
NRBC# Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
NRBC# Count	SASMEC@IIUM/PALM/INT-W10204
MDW?s Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
MDW?s Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/NT-W10205
Retic?s Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in
Retic?s Count	SASMEC@IIUM/PALM/INT-W10204
Glucose-6-phosphate dehydrogenase deficiency (G6PD) screening	Spot fluorescence test method as documented in; SASMEC@IIUM/PALM/HAE-WP01 SASMEC@IIUM/PALM/HAE-W110102
Full blood picture with clinical interpretation	Slide preparation and routine staining: (Automated) as documented in; SASMEC@IIUM/PALM/HAE-W10101/W10105 Haematology Slide Stainer Cytocentrifuge User's Manual

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Haemoglobin analysis (HbA, HbA2, HbF, Hb variant)	Quantitation of HbA, HbA2, HbF, Hb variant: High Performance Liquid Chromatography (HPLC) method as documented in SASM EC@IIUM/PALM/HAE-WP02 SASMEC@IIUM/PALM/HAE-WI10203/ BioRad Variant II Haemoglobin Testing System User's Manual
Haemoglobin analysis (HbA, HbA2, HbF, Hb variant)	Capillary's electrophoresis (CE) method as documented in SASMEC@IIUM/PALM/HAE-WP02 SASMEC@IIUM/PALM/HAE-WI0202/ Sebia Capillarys 2 Flex Piercing User's Manual
Haemoglobin analysis (HbA, HbA2, HbF, Hb variant)	Hb H inclusion bodies
Haemoglobin analysis (HbA, HbA2, HbF, Hb variant)	Specimen preparation and staining (manual) as documented in SASMEC@IIUM/PALM/HAE-
Haemoglobin analysis (HbA, HbA2, HbF, Hb variant)	Blood cell morphology; Slide preparation and routine staining: (Automated) as documented in SASMEC@IIUM/PALM/HAE-WI10101/ Haematology Slide Stainer Cyto centrifuge User's Manual

SCOPE OF MEDICAL TESTING : CYTOPATHOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
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SCOPE OF MEDICAL TESTING : HAEMATOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
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SCOPE OF MEDICAL TESTING : HISTOPATHOLOGY

Specimen Tested	Type of Test/	Test Methods, Specifications/
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	Properties Measured/	Equipment/Techniques Used
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SCOPE OF MEDICAL TESTING : MEDICAL MICROBIOLOGY

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