


## Schedule

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<b>LABORATORY LOCATION:</b> (PERMANENT LABORATORY) 	Jabatan Patologi, Hospital Sultanah Nora Ismail Jalan Korma, 83000 Batu Pahat, Johor. , 83000, JOHOR MALAYSIA
<b>ACCREDITED SINCE :</b>	19 MARCH 2025
<b>FIELD(S) OF MEDICAL TESTING :</b>	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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<b>CENTRAL LOCATION</b>	Jabatan Patologi, Hospital Sultanah Nora Ismail Jalan Korma, 83000 Batu Pahat, Johor. , 83000, Johor
<b>FIELD(S) OF MEDICAL TESTING :</b>	CHEMICAL PATHOLOGY, HAEMATOLOGYMEDICAL MICROBIOLOGY

**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>
Blood	pH	Potentiometric /Gem Premier 3500 As documented in HSNI / PAT / CP / AK-03
	pco2	Potentiometric /Gem Premier 3500 As documented in HSNI / PAT / CP / AK-03
	pO2	Amperometric /Gem Premier 3500 As documented in HSNI / PAT / CP / AK-03
	HbA1c	High Performance Liquid Chromatography/ Biorad D10 As documented in HSNI / PAT / CP / AK-04
	Culture & Sensitivity Testing	Semi-automated Method As Documented in HSNI/PAT/MB/AK-1
	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

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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
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

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	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-W10301 SASMEC@IIUM/PALM/MIC-W10314 SASMEC@IIUM/PALM/MIC-W10315 SASMEC@IIUM/PALM/MIC-W10205
Body Fluid	Culture & Sensitivity Testing & Microscopy	Manual Method As Documented in HSNI/PAT/MB/AK-3
	Gram stain, Culture & Sensitivity	Manual method As documented in HTPG/JP/MIC/AK-16, HTPG/JP/MIC/AK-24, HTPG/JP/MIC/AK-29 and HTPG/JP/MIC/AK-32
Bone Marrow	Bone Marrow Aspiration (BMA)	Manual bone marrow slide preparation (smearing & staining) As documented in HSNI/PAT/HM/TPM/VER3/06
	Bone Marrow Aspiration (BMA)	HSNI/PAT/HM/AK/VER2/07
	Bone Marrow Aspiration Smear	Staining and Microscopic Observation
	Bone Marrow Aspiration Smear	HS/JP/WI(HM:08)-013-015
	Bone marrow examination	Slide routine staining: (Automated) as documented in; SASMEC@IIUM/PALM/HAE-WI0101/W10105 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)

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	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
Csf	Culture & Sensitivity Testing & Microscopy	Manual Method As Documented in HSNI/PAT/MB/AK-2
	Cryptotoccal Antigen	Lateral Flow as documented in HS/JP/W1(MB:10)-004/Section 28
E Aspirate Pus From Wound / Abscess	Culture & Sensitivity Testing	None
E Bone	Culture & Sensitivity Testing	None
E Nasal Swab	Culture & Sensitivity Testing	None
E Nasopharyngeal Swab	Culture & Sensitivity Testing	None
E Tissue	Culture & Sensitivity Testing	None
Ear Swab	Culture & Sensitivity Testing	Manual Method As Documented in HSNI/PAT/MB/AK-6
Eye Swab	Culture & Sensitivity Testing	Manual Method As Documented in HSNI/PAT/MB/AK-4
Genital Ulcer E Low Vaginal Swab	Culture & Sensitivity Testing	None
Plasma	Coagulation:	Clotting (optical) Method/Sysmex CS1600 As documented in
	Prothrombin time (PT)	HSNI/PAT/HM/TPM/VER3/2019/02 HSNI/PAT/HM/AK/VER3/2019/04
	Activated Partial	HSNI/PAT/HM/TPM/VER3/2019/03
	Thromboplastin Time (APTT)	HSNI/PAT/HM/AK/VER3/2019/04
	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)

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	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
	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/serum	Albumin	Bromocresol green/Beckman Coulter AU680/480 As documented in HSNI / PAT / CP / AK-01

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Alkaline phosphatase	PNPP/Beckman Coulter AU680/480 As documented in HSNI / PAT / CP / AK-01
Alanine transaminase	UV without P5P/Beckman Coulter AU680/480 As documented in HSNI / PAT / CP / AK-01
Amylase	CNPGtriase/Beckman Coulter AU680/480 As documented in HSNI / PAT / CP / AK-01
Aspartate transaminase	UV without P5P/Beckman Coulter AU680/480 As documented in HSNI / PAT / CP / AK-01
Calcium	O-cresolphthalein complexone (OCPC) /Beckman Coulter AU680/480. As documented in HSNI / PAT / CP / AK-01
Creatine kinase	NAC activated/Beckman Coulter AU680/480 As documented in HSNI / PAT / CP / AK-01
Chloride	ISE indirect/Beckman Coulter AU680/480 As documented in HSNI / PAT / CP / AK-01
Creatinine	Alkaline picrate/Beckman Coulter AU680/480 As documented in HSNI / PAT / CP / AK-01
Direct bilirubin	Diazotization/Beckman Coulter AU680/480 As documented in HSNI / PAT / CP / AK-01
Gamma glutamyl transferase	G-glutamyl-carboxy-nitroanilide/Beckman Coulter AU680/480 As documented in HSNI / PAT / CP / AK-01
Glucose	Hexokinase/Beckman Coulter AU680/480 As documented in HSNI / PAT / CP / AK-01
Potassium	ISE indirect/Beckman Coulter AU680/480 As documented in HSNI / PAT / CP / AK-01
Lactate dehydrogenase	Lactate to pyruvate/Beckman Coulter AU680/480 As documented in HSNI/ PAT / CP / AK-01
Magnesium	Xylidyl blue/Beckman Coulter AU680/480 As documented in HSNI / PAT / CP / AK-01
Sodium	ISE indirect/Beckman Coulter AU680/480 As documented in HSNI / PAT / CP / AK-01

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	Phosphate	Phosphomolybdate method/Beckman Coulter AU680/480 As documented in HSNI/ PAT / CP / AK-01
	Total bilirubin	DPD/Beckman Coulter AU680/480 As documented in HSNI / PAT / CP / AK-01
	Total protein	Biuret/Beckman Coulter AU680/480 As documented in HSNI / PAT / CP / AK-01
	Urea	Urease/Beckman Coulter AU680/480 As documented in HSNI / PAT / CP / AK-01
	Uric acid	Uricase, colorimetric/Beckman Coulter AU680/480/Beckman Coulter AU680/480 As documented in HSNI / PAT / CP / AK-01
	Thyroid stimulating hormone (TSH)	Electrochemiluminescent/ Cobas E601 As documented in HSNI / PAT / CP / AK-02
	Free thyroxine (FT4)	Electrochemiluminescent/ Cobas E601 As documented in HSNI / PAT / CP / AK-02
Pus / Tissue E Pus From Wound / Abscess	Culture & Sensitivity Testing	Manual Method As Documented in HSNI/PAT/MB/AK-9
Respiratory E Sputum E Throat Swab	Culture & Sensitivity Testing	Manual Method As Documented in HSNI/PAT/MB/AK-8
Serology Serum	Anti-nuclear antibody (ANA)	Indirect Fluorescent Antibody Test/ Euroimmun/ UV Microscope As Documented in HSNI/PAT/MB/TPM-23
	Anti-dsDNA Antibody	Indirect Fluorescent Antibody Test/ Euroimmun/ UV Microscope As Documented in HSNI/PAT/MB/TPM-24
	Screening Test for Syphilis	Particle Agglutination Test / BD RPR As Documented in HSNI/PAT/MB/TPM-25 & HSNI/PAT/MB/TPM-26
	IgM Antibodies to Leptospirosis	Qualitative Presumptive Test (Rapid Test)/ IMMUMED As Documented in HSNI/PAT/MB/TPM-27
	Mycoplasma pneumonia antibody	Particle Agglutination Test/ SERODIAMYCO II As Documented in HSNI/PAT/MB/TPM-28



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	Reumatoid Factor	Particle Agglutination Test/ OMEGA AVITEX RF As Documented in HSNI/PAT/MB/TPM-29
	IgG Antibodies to Dengue Virus	Dengue IgG Capture ELISA / Panbio As Documented in HSNI/PAT/MB/TPM-32
	IgM Antibodies to Dengue Virus	Dengue IgM Capture ELISA / Panbio As Documented in HSNI/PAT/MB/TPM-32
	IgG & IgM Antibodies for dengue	Qualitative Presumptive Test (Rapid Test)/SD As Documented in HSNI/PAT/MB/TPM-33
	Detection of HBs Antigen	Chemiluminescent Microparticle Immunoassay Test/ Architect As Documented in HSNI/PAT/MB/TPM-34 & HSNI/PAT/MB/TPM-35
	COMBO HIV antigen and antibodies (HIV- 1 and HIV -2)	Chemiluminescent Microparticle Immunoassay Test/ Architect As Documented in HSNI/PAT/MB/TPM-34 & HSNI/PAT/MB/TPM-35
	Detection of HCV Antibody	Chemiluminescent Microparticle Immunoassay Test/ Architect As Documented in HSNI/PAT/MB/TPM-34 & HSNI/PAT/MB/TPM-35
Serology Stool	Detection of Clostridium difficile Antigen and Antibody	Qualitative Presumptive Test (Rapid Test) As Documented in HSNI/PAT/MB/TPM-25
Sputum / Urine / Csf / Pus / Body Fluid / Pleural Fluid / Stool /	Direct Smear AFB	Manual Method As Documented in HSNI/PAT/MB/AK-17
Sterility And Monitoring (surveillance)	Culture & Sensitivity Testing	Manual Method As Documented in HSNI/PAT/MB/AK-5
Stool	Culture & Sensitivity Testing	Manual Method As Documented in HSNI/PAT/MB/AK-11
	Microscopy ? Gram Stain	Gram staining method as documented in SASMEC@IIUM/ PALM/MIC-WI1313
	Microscopy ? Gram Stain	Culture, identification and Sensitivity methods as documented in; SASMEC@IIUM/ PALM/MIC-WI0305 SASMEC@II UM/PALM/MIC-W10202 SASME C@IIUM/PALM/MIC-WI10314 SA SMEC@IIUM/PALM/MIC-WI0315 SASMEC@IIUM/PALM/MIC- W10205
Tissue	Direct Smear AFB	None
Tuberculosis	None	None

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Urine	Culture & Sensitivity Testing	Manual Method As Documented in HSNI/PAT/MB/AK-12
	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
	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

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	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-W10314 SASMEC@IIUM/PALM/MIC-W10315 SASMEC@IIUM/PALM/MIC-W10205
Urogenital E Urethral Swab E High Vaginal Swab E Pus And Fluid From	Culture & Sensitivity Testing	Manual Method As Documented in HSNI/PAT/MB/AK-10
Whole Blood	Full Blood Count (FBC)	Fluorescence Flow Cytometry, Hydro Dynamic Focusing & SLS Hemoglobin determination / Sysmex XN1000 as documented in HSNI/PAT/HM/TPM/VER3/01
	Full Blood Count (FBC)	HSNI/PAT/HM/AK/VER3/01
	D-Dimer	Antigen-antibody interaction/Cobas H232 As documented in
	D-Dimer	HSNI/PAT/HM/TPM/VER2/04
	D-Dimer	HSNI/PAT/HM/AK/VER2/05
	Peripheral Blood Film (PBF)	Manual peripheral blood slide preparation (smearing & staining) As documented in HSNI/PAT/HM/TPM/VER3/05
	Peripheral Blood Film (PBF)	HSNI/PAT/HM/AK/VER2/06
	ABO Grouping	Manual method (tube method) As documented in HSNI/PAT/AK/TD/31
	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)
	Tacrolimus	EMIT on Viva E (Siemens) as documented in HS/JP/WI (CP:07)- 014 Test on VIVA E (Siemens)

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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
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

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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
RDW?s Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/I NT-W10205
Platelet?s Count	Aperture Impedance. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in

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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
MO# Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/NT-W10205
EO# Count	VCSn Analysis. Analyzer Beckman Coulter DXH 800 and DXH 900 as documented in

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EO# Count	SASMEC@IIUM/PALM/INT-W10204 SASMEC@IIUM/PALM/NT-W10205
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-WI10102
Full blood picture with clinical interpretation	Slide preparation and routine staining: (Automated) as documented in; SASMEC@IIUM/PALM/HAE-WI0101/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 : HAEMATOLOGY**

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ 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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**NOTE :**