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LABORATORY LOCATION: (PERMANENT LABORATORY) 	Jabatan Patologi, Hospital Tuanku Fauziah Jalan Tun Abdul Razak, Kangar, Perlis , 01000, JOHOR MALAYSIA
ACCREDITED SINCE :	27 MARCH 2025
FIELD(S) OF MEDICAL TESTING :	CYTOPATHOLOGY HISTOPATHOLOGY 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 Tuanku Fauziah Jalan Tun Abdul Razak, Kangar, Perlis , 01000, Johor
FIELD(S) OF MEDICAL TESTING :	CYTOPATHOLOGY, HISTOPATHOLOGYCHEMICAL PATHOLOGYHAEMATOLOGYMEDICAL MICROBIOLOGY

SCOPE OF MEDICAL TESTING : CYTOPATHOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods,Specifications/ Equipment/Techniques Used
Gynaecological Specimen	Gynaecological Cytology Examination	Specimen handling and preparation as documented in TPM - HTF/PL/Histosito/05 Cytopathology Specimen Handling Conventional gynaecology cytology method by using manual staining as documented in WI - HTF / PL / Cyto / 01 Papanicalaou's Stain (Dips Method) Conventional gynaecology cytology method by using Tissue- TEK DRS Sakura analyzer as documented in WI - HTF / PL / Cyto /02 Papanicalaou's Stain Tissue (Automated)

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Non-gynaecological Specimen	Non-Gynaecological Examination	<p>Specimen Handling and Preparation as documented in TPM - HTF/PL/Histosito/05 Cytopathology Specimen Handling</p> <p>Manual routine staining method as documented in -WI - HTF / PL / Cyto / 01 Papanicalaou's Stain (Dips Method) -WI - HTF/PL/Cyto/03 Diff Quik's Stain (Dips Method) -WI - HTF/PL/Cyto/04 Giemsa Stain (Dips Method)</p> <p>Automated routine staining method using TissueTEK DRS Sakura analyzer as documented in WI - HTF/PL/Cyto /02 Papanicalaou's Stain Tissue (Automated)</p> <p>Special Handling as documented in TPMHTF/PL/Histosito/16 Pengendalian Ujian Pesakit Dengan "Highly Contagious Disease"</p>
	Non-Gynaecological Examination	<p>Special Staining using manual method as documented in -WI - HTF / PL / Cyto / 05 Kinyoun's stain.</p> <p>Plasma Thrombin Clot Method using manual preparation as documented in WI - HTF / PL / Cyto / 06 Cell Block Preparation (Plasma Thrombin Clot Technique) for cell block preparation.</p> <p>Special Handling: TPM-HTF/PL/Histosito/16 Pengendalian Ujian Pesakit Dengan "Highly Contagious Disease"</p>

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Fine Needle Aspiration specimen	Fine Needle Aspiration Cytology Examination	<p>Specimen preparation as documented in TPM - HTF / PL / Cyto / 14 Management of Fine Needle Aspiration Specimen</p> <p>Manual routine staining method as documented in</p> <p>-WI - HTF / PL / Cyto / 01 Papanicolaou's Stain (Dips Method)</p> <p>-WI - HTF / PL / Cyto / 03 Diff Quik's Stain (Dips Method)</p> <p>-WI - HTF / PL / Cyto / 04 Giemsa Stain (Dips Method)</p> <p>Automated routine staining method using TissueTEK DRS Sakura analyzer as documented in WI - HTF / PL / Cyto / 02 Papanicolaou's Stain Tissue (Automated)</p> <p>Special Handling: TPM-HTF/PL/Histosito/16 Pengendalian Ujian Pesakit Dengan "Highly Contagious Disease"</p>
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SCOPE OF MEDICAL TESTING : HISTOPATHOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Surgical Pathology And Cytological Specimens	Histology Examination	<p>Specimen preparation as documented in</p> <p>-TPM - HTF / PL / Histo / 04 Histopathology Specimen Handling</p> <p>-WI - HTF / PL / Histo / 01 Grossing</p> <p>-WI - HTF / PL / Histo / 02 Pemprosesan Tisu</p> <p>-WI - HTF / PL / Histo / 03 Penyediaan Blok Paraffin</p> <p>-WI - HTF / PL / Histo / 04 Pemotongan Tisu</p> <p>Routine H&E staining using manual method and Tissue-TEK</p>

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Sakura analyzer as documented
in WI - HTF / PL / Histo/06
Pencelupan Haematoxylin &
Eosin

Histochemical stain using manual
method as documented in:

- WI - HTF / PL / Histo/05

Pencelupan Histokimia

- WI - HTF / PL / Histo / 08a

Periodic Acid Schiff (PAS)

- WI - HTF / PL / Histo / 08b

Periodic Acid Schiff Diastase
(PASD)

- WI - HTF / PL / Histo / 08c

Grocott's Gamari Methanamine
Silver (GMS)

- WI - HTF / PL / Histo / 08d

Kinyoun Stain

- WI - HTF / PL / Histo / 08e

Alcian Blue

- WI - HTF / PL / Histo / 08f

Alcian Blue PAS

- WI - HTF / PL / Histo / 08g

Verhoeff van Gieson

- WI - HTF / PL / Histo / 08h

Wade Fite

- WI - HTF / PL / Histo / 08i

Reticulin

- WI - HTF / PL / Histo / 08j Diff

Quik for H Pylori

- WI - HTF / PL / Histo / 08k

Masson Trichrome

Immunohistochemical staining

using manual and DAKO

Autostainer as documented in WI

- HTF/PL/ Histo/07

Immunohistochemical Staining

Special Handling: TPM-

HTF/PL/Histosito/16

Pengendalian Ujian Pesakit

Dengan "Highly Contagious

Disease

SCOPE OF MEDICAL TESTING : CHEMICAL PATHOLOGY

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Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Whole Blood	Arterial blood gas pO ₂ (INOPERATIVE)	Optical measurement principle as documented in WIHTF/PL/CP/03 and Instruction for Use ABL90 Flex Plus (INOPERATIVE)
	pCO ₂ pH (INOPERATIVE)	Potentiometric measurement as documented in WIHTF/PL/CP/03 and Instruction for Use ABL90 Flex Plus (INOPERATIVE)
	HbA1c (INOPERATIVE)	HPLC Ion exchange as documented in WIHTF/PL/CP/05 (INOPERATIVE)
Serum / Urine	Osmolality (INOPERATIVE)	Freezing point depression as documented in WIHTF/PL/CP/06 (INOPERATIVE)
Serum / Plasma	Glucose (INOPERATIVE)	Glucose Oxidase method as documented in WIHTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Alkaline Phosphatase (ALP) (INOPERATIVE)	Multiple point rate (AMP Buffer) as documented in WIHTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Alanine aminotransferase (ALT) (INOPERATIVE)	Multiple point rate (Alanine/pyridoxal phosphate) as documented in WIHTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Aspartate aminotransferase (AST) (INOPERATIVE)	Multiple point rate (Dye measurement) as documented in WIHTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Lactate dehydrogenase (LDH) (INOPERATIVE)	Multiple point rate (Pyruvate to lactate reaction) as documented in WIHTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Protein, Total (INOPERATIVE)	Biuret End Point (no blank) as documented in WIHTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)

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Albumin (INOPERATIVE)	Bromocresol Green—Malate Buffer as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
Total Bilirubin (INOPERATIVE)	<p>Diazonium Salt method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System</p> <p>Total Bilirubin (for neonates) derived from (Bilirubin Unconjugated + Bilirubin Conjugated)</p> <p>Bilirubin Unconjugated (Bu) and Bilirubin Conjugated (Bc) method end-point colorimetric dual wavelength as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)</p>
Direct Bilirubin (INOPERATIVE)	<p>Derived (Direct Bili = TBIL — Bu) Bilirubin</p> <p>Unconjugated (Bu) method end-point colorimetric dual wavelength as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)</p>
Amylase (INOPERATIVE)	Starch dye (two point rate) as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
Creatine kinase (CK) (INOPERATIVE)	Multiple point rate (Imidazole buffer) as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
Calcium (INOPERATIVE)	Arsenazo Dye method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)

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Magnesium (INOPERATIVE)	Formazan dye method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
Phosphate (INOPERATIVE)	Phosphomolybdate reduction (no protein precipitation) method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
Cholesterol, Total (INOPERATIVE)	Cholesterol oxidase/peroxidase method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
Triglyceride (INOPERATIVE)	Lipase/glycerol kinase/peroxidase/GPO/dye method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
HDL, Cholesterol (INOPERATIVE)	Cholesterol oxidase/peroxidase method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
Creatinine (INOPERATIVE)	Two point rate (Creatinine Amidohyrolase) as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
Urea (INOPERATIVE)	Urease End Point method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
Uric Acid (INOPERATIVE)	Uricase/Peroxidase method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
Sodium (INOPERATIVE)	Ion Selective Electrode—Direct potentiometry method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)

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Immunology Test	Potassium (INOPERATIVE)	Ion Selective Electrode—Direct potentiometry method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Chloride (INOPERATIVE)	Ion Selective Electrode—Direct potentiometry method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Lactate (INOPERATIVE)	Enzymatic method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Iron (INOPERATIVE)	Colourimetric/No protein removal method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	C-Reactive Protein (CRP) (INOPERATIVE)	ELISA method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Alpha-Fetoprotein (AFP) (INOPERATIVE)	Immunochemiluminometric method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Cancer Antigen 125-I (INOPERATIVE)	Immunochemiluminometric method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Carcinoembryonic Antigen (CEA) (INOPERATIVE)	Immunochemiluminometric method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Ca 19-9 (INOPERATIVE)	Immunochemiluminometric method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)

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Prostate Specific Antigen (PSA) (INOPERATIVE)	Immunochemiluminometric method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
HCG (INOPERATIVE)	Immunochemiluminometric method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
Prolactin (INOPERATIVE)	Immunochemiluminometric method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
Ferritin (INOPERATIVE)	Immunochemiluminometric method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
Cortisol (INOPERATIVE)	Luminescent Immunoassay method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
Estradiol (INOPERATIVE)	Luminescent Immunoassay method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
Progesterone (INOPERATIVE)	Luminescent Immunoassay method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
Testosterone (INOPERATIVE)	Luminescent Immunoassay method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
Follicular Stimulating Hormone (FSH) (INOPERATIVE)	Immunochemiluminometric method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)

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Urine Urine Chemistry	Luteinising Hormone (LH) (INOPERATIVE)	Immunochemiluminometric method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Thyroid Stimulating Hormone (TSH) (INOPERATIVE)	Immunochemiluminometric method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Free T4 (INOPERATIVE)	Luminescent Immunoassay method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Free T3 (INOPERATIVE)	Luminescent Immunoassay method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Calcium (INOPERATIVE)	Arsenazo Dye method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Chloride (INOPERATIVE)	Ion Selective Electrode—Direct potentiometry method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Creatinine (INOPERATIVE)	Enzymatic method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Glucose (INOPERATIVE)	Glucose Oxidase (No Dialysis) method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Magnesium (INOPERATIVE)	Formazan dye method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)

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	Phosphate (INOPERATIVE)	Phosphomolybdate reduction method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Potassium (INOPERATIVE)	Direct potentiometry as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Sodium (INOPERATIVE)	Ion Selective Electrode—Direct potentiometry method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Urea (INOPERATIVE)	End point (NH ₃ measurement) method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Uric Acid (INOPERATIVE)	Uricase/peroxidase method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
	Protein (INOPERATIVE)	Pyrocatechol violet-molybdate method as documented in WI-HTF/PL/CP-01 Operating Procedure for Vitros XT 7600 Integrated System (INOPERATIVE)
Urine Urine Biochemistry (10-parameters)	Glucose (INOPERATIVE)	Glucose oxidase-peroxidase-chromogen reaction as documented in WI-HTF/PL/CP/04 (INOPERATIVE)
	Protein (INOPERATIVE)	Protein error of pH indicators on the green color develop from the presence of protein as documented in WI-HTF/PL/CP/04 (INOPERATIVE)
	Bilirubin (INOPERATIVE)	Diazonium reaction as documented in WI-HTF/PL/CP/04 (INOPERATIVE)
	Urobilinogen (INOPERATIVE)	Diazonium reaction as documented in WI-HTF/PL/CP/04 (INOPERATIVE)
	pH (INOPERATIVE)	pH indicator as documented in WI-HTF/PL/CP/04 (INOPERATIVE)

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Specific Gravity (INOPERATIVE)	Cation extraction as documented in WI-HTF/PL/CP/04 (INOPERATIVE)
Blood (INOPERATIVE)	Pseudoperoxidase on hemoglobin as documented in WI-HTF/PL/CP/04 (INOPERATIVE)
Ketones (INOPERATIVE)	Sodium nitroprusside reaction as documented in WI-HTF/PL/CP/04 (INOPERATIVE)
Leucocytes (INOPERATIVE)	Esterase activity in leucocytes as documented in WI-HTF/PL/CP/04 (INOPERATIVE)
Nitrite (INOPERATIVE)	Modified Griess reaction as documented in WI-HTF/PL/CP/04 (INOPERATIVE)

SCOPE OF MEDICAL TESTING : HAEMATOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
Whole Blood	RBC	Hydrodynamic focusing direct current detection method (SYSMEX XN1000) as documented in TPM-HTF/PL/HEMA/FBC/01
	HGB	SLS haemoglobin detection method (SYSMEX XN1000) as documented in TPM-HTF/PL/HEMA/FBC/01
	HCT	RBC cumulative pulse height detection method (SYSMEX XN1000) as documented in TPM-HTF/PL/HEMA/FBC/01
	MCV	Calculation with RBC and HCT (SYSMEX XN1000) as documented in TPM-HTF/PL/HEMA/FBC/01
	MCH	Calculation with HGB and RBC (SYSMEX XN1000) as documented in TPM-HTF/PL/HEMA/FBC/01
	MCHC	Calculation with HGB and HCT (SYSMEX XN1000) Method as documented in TPM-HTF/PL/HEMA/FBC/01

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	RDW-SD	Anaylsis from size distribution of RBC (SYSMEX XN1000) Method as documented in TPM-HTF/PL/HEMA/FBC/01
	RDW-CV	Anaylsis from size distribution of RBC (SYSMEX XN1000) Method as documented in TPM-HTF/PL/HEMA/FBC/01
	PLT	Hydrodynamic focusing direct current detection method (SYSMEX XN1000) as documented in TPM-HTF/PL/HEMA/FBC/01
	MPV	Analysis from size distribution of PLT (SYSMEX XN1000) Method as documented in TPM-HTF/PL/HEMA/FBC/01
	WBC	Fluorescence flow cytometry method using semiconductor laser (SYSMEX XN1000) Method as documented in TPM-HTF/PL/HEMA/FBC/01
	Hb analysis	Capillary Electrophoresis (Sebia Capillarys 2 Flex Piercing) Method as documented in TPM-HTF/PL/HEMA/HBA/01
	ESR	Westergren Method as documented in TPM-HTF/PL/HEMA/ESR/02
	Full blood picture	Manual Method as documented in TPM-HTF/PL/HEMA/FBP/01
	G6PD Deficiency Screening (Qualitative)	G6PD Deficiency Screening (qualitative) Method as documented in TPM-HTF/PL/HEMA/ G6PD/01
Plasma	PT	Multiwavelength transmitted light detection method (Sysmex CS-Series) as documented in TPMT PM-HTF/PL/HEMA/COAG/01
	APTT	Multiwavelength transmitted light detection method (Sysmex CS-Series) as documented in TPM-HTF/PL/HEMA/COAG/01
	INR	Multiwavelength transmitted light detection method (Sysmex CS-Series) as documented in TPM-HTF/PL/HEMA/COAG/01
	Fibrinogen	Clauss Method (Sysmex CS-Series) as documented in TPM-HTF/PL/HEMA/COAG/02

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	Factor VIII Level	Multiwavelength transmitted light detection method (Sysmex CS-Series) as documented in TPM-HTF/PL/HEMA/COAG/04
	Factor IX Level	Multiwavelength transmitted light detection method (Sysmex CS-Series) as documented in TPM-HTF/PL/HEMA/COAG/04
Bone Marrow	Bone Marrow Morphology	<p>Bone marrow aspiration and trephine biopsy method as documented in TPM-HTF/PL/HEMA/BMA/01</p> <p>May grunwald giemsa stain method as documented in WI-HTF/PL/HEMA/BMA/01</p> <p>Peroxidase stain method as documented in WI-HTF/PL/HEMA/BMA/02</p> <p>Periodic acid schiff (PAS Stain) method as documented in WI-HTF/PL/HEMA/BMA/03</p> <p>Perl's stain method as documented in WI-HTF/PL/HEMA/BMA/04</p>
Immunohaematology Whole Blood	ABO Grouping	Manual Tube Method as documented in: WI-HTF/PL/TM/ IH-02: ABO Grouping Tube Method
	Rh (D) Typing	Manual Tube Method as documented in: WI-HTF/PL/TM/IH-04: RH(D) Grouping Tube Method WI-HTF/PL/TM/IH-07: Du Test
	Antibody Screening	Manual Column Agglutination Method as documented in: WI-HTF/PL/TM/IH-12: Indirect Antiglobulin Test (IAT) Column Agglutination Method

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	Compatibility Testing (Cross-matching / GXM)	Manual Tube Method as documented in: WI-HTF/PL/TM/IH-14: Crossmatching Compatibility Testing Tube Method Manual Column Agglutination Method as documented in: WI-HTF/PL/TM/IH-13: Crossmatching Compatibility Testing Column Agglutination Method
	Direct Coomb's Test	Manual Tube Method as documented in: WI-HTF/PL/TM/IH-09: Direct Antiglobulin Test (DAT) Tube Method Manual Column Agglutination Method as documented in: WI-HTF/PL/TM/IH-10: Direct Antiglobulin Test (DAT) Column Agglutination Method
	Coomb's Test (Indirect Antiglobulin Test)	Manual Column Agglutination Method as documented in: WI-HTF/PL/TM/IH-12: Antibody Screening/ Indirect Antiglobulin Test (IAT) Column Agglutination Method
	Red Cell Phenotyping	Manual Tube Method as documented in: Tube Method as documented in: WI-HTF/PL/TM/IH-16: Red Cell Phenotyping Tube Method
	Investigations of Transfusion Reactions	Procedure as documented in: TPM-HTF/PLTM/IH-08: Management of Transfusion Reaction
Immunohaematology Serum	Antibody Identification	Manual Column Agglutination Method as documented in: WI-HTF/PL/TM/IH-18: Antibody Identification Column Agglutination Method

SCOPE OF MEDICAL TESTING : MEDICAL MICROBIOLOGY

Specimen Tested	Type of Test/ Properties Measured/	Test Methods, Specifications/ Equipment/Techniques Used
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Blood	Culture & Sensitivity	Microscopic examination, culture, identification, and sensitivity test method as documented in TPM-HTF/PL/MIK/B03
Sterile Body Fluid	Culture & Sensitivity	Macroscopic examination, cell count, culture, identification, and sensitivity test method as documented in TPM-HTF/PL/MIK/B06
Cerebrospinal Fluid	Culture & Sensitivity	Macroscopic examination, cell count, culture, identification, and sensitivity test method as documented in TPM-HTF/PL/MIK/B05
Pus, Tissues, Bone, Swab And Tip	Culture & Sensitivity	Microscopic examination, culture, identification, and sensitivity test method as documented in TPM-HTF/PL/MIK/B07
Respiratory	Culture & Sensitivity	Microscopic examination, culture, identification, and sensitivity test method as documented in TPM-HTF/PL/MIK/B10
Faeces	Culture & Sensitivity	Culture, identification, and sensitivity test method as documented in TPM-HTF/PL/MIK/B09
Urine	Culture & Sensitivity	Macroscopic examination, cell count, culture, identification, and sensitivity test method as documented in TPM-HTF/PL/MIK/B08
Parasitology Faeces	Ova and Cyst	Direct faecal smear using Iodine and Trichrome Stain by microscopic method as documented in TPM-HTF/PL/MIK/P03
	Stool for Cryptosporidium spp	Modified Acid Fast by microscopic method as documented in TPM-HTF/PL/MIK/P03/P05
Parasitology Faeces blood Smear	Malaria parasite	Thick and thin blood smear Giemsa stain by microscopic method as documented in WIHTF/PL/MIK/P02/04
Fungal Skin, Nail, Corneal Scrapping, Pus, Csf And Bronchiol Washing	Culture & Sensitivity	Microscopic examination, culture and identification as documented in TPM-HTF/PL/MIK/F01
Tuberculosis Sputum	Mycobacterium tuberculosis	Microscopy examination as documented in TPM-HTF/PL/MIK/AFB/02

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Virology Serum	HIV Combi PT (INOPERATIVE)	Electro-chemiluminescent Immunoassay method by using Cobas e411 as documented in WI-HTF/PL/MIK/V03 (INOPERATIVE)
	Anti-HCV (INOPERATIVE)	Electro-chemiluminescent Immunoassay method by using Cobas e411 as documented in WI-HTF/PL/MIK/V03 (INOPERATIVE)
	HBsAg (INOPERATIVE)	Electro-chemiluminescent Immunoassay method by using Cobas e411 as documented in WI-HTF/PL/MIK/V03 (INOPERATIVE)
	Anti-HBs (INOPERATIVE)	Electro-chemiluminescent Immunoassay method by using Cobas e411 as documented in WI-HTF/PL/MIK/V03 (INOPERATIVE)
	PA for Anti-HIV (INOPERATIVE)	Particle Agglutination method as documented in: WI-HTF/PL/MIK/V02 (INOPERATIVE)
Serology Serum	Dengue IgM / IgG	Immunochromatographic method as documented in TPM-HTF/PL/MIK/S01
	Dengue NS1	Immunochromatographic method as documented in TPM-HTF/PL/MIK/S01
	Leptospirosis (IgM)	Latex agglutination test method as documented in TPM-HTF/PL/MIK/S02
	Mycoplasma	Particle Agglutination method as documented in: TPM-HTF/PL/MIK/S03
	Rheumatoid Factor	Latex agglutination test method as documented in TPM-HTF/PL/MIK/S04
	Anti-Streptolysin-O (ASO)	Latex agglutination test method as documented in TPM-HTF/PL/MIK/S05
	Rapid Plasma Reagin	Flocculation test method as documented in TPM-HTF/PL/MIK/S06
	TPPA (Treponema pallidum)	Particle Agglutination method as documented in TPM-HTF/PL/MIK/S07
Serology Faeces	Rotavirus	Immunochromatographic method as documented in TPM-HTF/PL/MIK/S08
	Clostridium difficile toxin A and B detection	Immunochromatographic method as documented in TPM-HTF/PL/MIK/S09

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Immunology Serum	Ana screening	Chemiluminescence immunoassay method by BIOFLASH as documented in WI-HTF/PL/MIK/106
	ENA	Chemiluminescence immunoassay method by BIOFLASH as documented in WI-HTF/PL/MIK/106
	Anti-DsDNA	Chemiluminescence immunoassay method by BIOFLASH as documented in WI-HTF/PL/MIK/106
	Ana IF	Indirect Immunofluorescence method as documented in WI-HTF/PL/MIK/103
	LKM / ASMA / AMA	Indirect Immunofluorescence method as documented in WI-HTF/PL/MIK/104
	ANCA	Indirect Immunofluorescence method as documented in WI-HTF/PL/MIK/105

NOTE :