


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 Accredited to ISO 15189:2022	The Christie Pathology Partnership LLP Issue No: 012 Issue date: 27 November 2024	
	Christie Hospital Manchester M20 4BX	Contact: Neil Wrathall Tel: +44 (0) 161 918 7264 Fax: +44 (0) 161 446 8549 E-Mail: neil.wrathall1@nhs.net Website: www.christie.nhs.uk
Testing performed at the above address only		

Site activities performed away from the locations listed above:

Location details		Activity
Address Haematology & Blood Transfusion The Christie Wilmslow Road Manchester M20 4BX	Local contact Contact: Dr. Neil Wrathall Tel: +44 (0)0161-918-7264 Fax: +44 (0)161-446-8549 E-Mail: neil.wrathall1@nhs.net	Theatre Blood Issue Fridge



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	In-house documented procedures based on equipment manuals as relevant Siemens Atellica SP03700 (Line 1) and SP03701 (Line 2) Chemistry and Immunoassay module by the following measurement principles:
Serum	AFP	Direct chemiluminometric
Serum	Albumin	Bromcresol green (BCG)
Serum	ALP	Enzymatic
Serum	ALT	Enzymatic
EDTA Plasma	Ammonia	Enzymatic
Serum	Amylase	Enzymatic
Serum	AST	Enzymatic
Serum	CA15-3	Direct chemiluminometric
Serum	CA 19-9	Direct chemiluminometric
Serum	CA 125	Direct chemiluminometric
Serum and Urine	Calcium	Colorimetric
Serum	CEA	Direct chemiluminometric
Serum and Urine	Chloride	ISE
Serum	Cholesterol	Enzymatic
Serum	CK	Enzymatic
Serum	CO2	Enzymatic
Serum	Cortisol	Chemiluminescent
Serum	Creatinine	Enzymatic (Jaffe)



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Serum	CRP	Immunoturbidimetric
EDTA whole blood	Cyclosporin	Chemiluminescent
Serum	Direct Bilirubin	Oxidation
Serum	Ferritin	Direct chemiluminometric
Serum	Folate	Direct chemiluminescent
Serum	FT3	Direct chemiluminometric
Serum	FT4	Direct chemiluminescent
Serum	Gentamicin	PETINIA - turbidimetric
Serum	GGT	Colorimetric
Fluoride Oxalate Plasma and CSF	Glucose	Enzymatic
Serum	HCG	Direct chemiluminometric
Serum	HDL	Enzymatic
Serum and Urine	Phosphate	Colorimetric
Serum	IgA	PEG enhanced immunoturbidimetric
Serum	IgG	PEG enhanced immunoturbidimetric
Serum	IgM	PEG enhanced immunoturbidimetric
Serum	Iron	Colorimetric



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Serum and CSF	LDH	Enzymatic
Serum	LH	Direct chemiluminometric
Serum	Lipase	Enzymatic
Serum and Urine	Magnesium	Colorimetric
Serum	Methotrexate	Enzymatic
Serum	Oestradiol	Competitive immunoassay
Serum	Progesterone	Direct chemiluminescent
Serum	Prolactin	Direct chemiluminometric
Serum	PSA	Direct chemiluminometric
EDTA plasma	PTH	Direct chemiluminometric
Serum and Urine	Potassium	ISE
Serum and Urine	Sodium	ISE
Serum	Testosterone	Direct chemiluminescent
Serum	Total Bilirubin	Oxidation
Serum	Total Protein	Colorimetric
Serum	Transferrin	PEG enhanced Turbidimetric
Serum	Triglycerides	Enzymatic
Serum	High sensitive Troponin I	Direct chemiluminometric



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HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	In-house documented procedures based on equipment manuals as relevant
		Siemens Atellica SP03700 (Line 1) and SP03701 (Line 2) Chemistry and Immunoassay module by the following measurement principles:
Serum	TSH	Chemiluminescent
Urine, CSF	UCFP (Protein)	Colorimetric
Serum, Urine	Urea	Enzymatic
Serum, Urine	Uric acid	Enzymatic
Serum	Vancomycin	PETINIA
Serum	Vitamin B12	Direct chemiluminescent
Serum	B2 Microglobulin	Immunoturbidimetric PEG enhanced



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HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	In-house documented procedures based on equipment manuals as relevant
Serum	Quantification of Chromogranin A	Brahms Kryptor using time resolved amplified Cryptate emission. LI-BIO-CPP-Kryptor Chromogranin A
Serum	Quantification of:	IDS i-sys analyser using chemiluminescence LI-BIO-CPP-IDS i-sys
Serum	IGF-1 and growth hormone	
Serum	Vitamin D	
	Quantification of the following:	Siemens Immulite 2000 immunoassay analyser LI-BIO-CPP- Immulite daily operation LI-BIO-CPP-Immulite assay summary
Serum	Calcitonin	
Serum	Thyroglobulin	
Serum	Thyroglobulin antibodies	
Plasma	ACTH	
Serum, urine	Osmolality (detection of total solute concentration)	Advanced Instruments OSMO 1 LI-BIO-CPP OSMO 1 Osmometer Operation



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HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	In-house documented procedures based on equipment manuals as relevant
Serum, urine	Qualitative detection of monoclonal proteins in serum and urine, Quantitation of paraprotein	Electrophoresis using Sebia Hydrasys 2 system. LI-BIO-CPP-Sebia serum electrophoresis LI-BIO-CPP-Sebia Urine Electrophoresis
Serum, urine	Detection and quantitation of serum and urine proteins	Immunofixation using Sebia Hydrasys 2 system LI-BIO-CPP-Sebia Serum Immunofixation LI-BIO-CPP-Sebia Urine Immunofixation
Serum (ETDA)	Measurement of HbA1c	Ion-exchange HPLC using BioRad D10 analyser LI-BIO-CPP-Biorad D-10HbA1c
Serum	Quantitation of Serum free light chains kappa and lambda	Latex enhanced Immunoassay Optilite
Serum, Urine	hCG	Abbott Testpack Plus hCG combo



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<p>HUMAN BODY FLUIDS</p> <p>Venous whole blood: EDTA</p>	<p><u>Haematological examination activities for the purpose of clinical diagnosis</u></p> <p>Full Blood Count:</p> <p>Red blood cells (RBC) White Blood Cells (WBC) Platelets (PLTS) Haemoglobin (HB) Haematocrit (HCT) Mean Cell Volume (MCV) Mean Cell Haemoglobin (MCH) Mean cell haemoglobin concentration (MCHC) Red Cell Distribution (RDW) Neutrophils (NEUT) Lymphocytes (LYMP) Eosinophils (EOSO) Basophils (BASO) Monocytes (MONO) Large unstained cells (LUC) Reticulocyte enumeration</p>	<p>Documented in-house procedures with manufacturer's instructions</p> <p>Advia 2120i (flow cytometry and laser light refraction) with reference to: LI-Haem-Christie-Advia Startup and Processing</p>
<p>Venous blood: citrated</p>	<p>Platelet count</p>	



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HUMAN BODY FLUIDS	<u>Haematological examination activities for the purpose of clinical diagnosis</u>	Documented in-house procedures with manufacturer's instructions
Venous whole blood: EDTA	Blood film assessment (peripheral) for detection of abnormalities and cell differential.	Hematek 2000 stainer modified Wright stain and Nikon microscope. Manual assessment with ref to: LI-Haem-Christie-Bloodfilm exam
Bone marrow aspirate	Bone marrow film for the detection of normal and abnormal morphology by microscopic examination	LI-Haem-Christie-BMSmears LI-Haem-Christie-BMReports
Ascitic/pleural fluid	Fluid cytospin for the detection of normal and abnormal morphology by microscopic examination	Modified Wright stain with ref to: LI-Haem-CPP CSF
Venous blood: citrated	Erythrocyte sedimentation Rate (ESR)	Manual method - Sedimentation with reference to : LI-Haem Christie -ESR
Venous whole blood: EDTA	Sickle cell solubility	Solubility screening test, Clintech screening kit with reference to : LI-Haem Christie-sicklestest



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HUMAN BODY FLUIDS	<u>Haematological examination activities for the purpose of clinical diagnosis</u>	Documented in-house procedures with manufacturer's instructions
Citrated plasma	Coagulation Screen: Prothrombin time (PT) Activated partial thromboplastin time (APTT) Derived Fibrinogen Clauss Fib Thrombin time D-Dimer 50/50 Basic correction test Anti Xa assay <u>Flow Cytometry examination activities for the purpose of clinical diagnosis</u>	Werfen ACL TOP (50 series) with reference to: LI-Haem-Christie-ACL TOP 350 Analyser Routine Operation Beckman Navios cytometer (fluorochrome labelled antibody expression) with reference to :
Fresh and cryopreserved Peripheral blood	CD34 (percentage and absolute counts)	CD34 LI-Haem-CPP-NAVIOS CD34 Counting
Fresh and cryopreserved Peripheral blood (apheresis product) and Bone marrow	CD34 percentage	CD34 LI-Haem-CPP-NAVIOS CD34 Counting



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<p>HUMAN BODY FLUIDS</p> <p>Venous whole blood: EDTA/ plasma</p>	<p><u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u></p> <p>ABO and RhD system investigation.</p> <p>O RhD positive A RhD positive B RhD positive AB RhD positive O RhD negative A RhD negative B RhD negative AB RhD negative</p> <p>Antibody Screen Rhesus blood group antibodies: anti-Cw, anti-C, anti-c, anti-D, anti-E, anti-e</p>	<p>Documented in-house procedures with manufacturer's instructions</p> <p>Bio Rad IH500 (immunohaematology) with reference to:</p> <p>LI-BB-CPP-Bio-Rad IH500</p>



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<p>HUMAN BODY FLUIDS</p> <p>Venous whole blood: EDTA/ plasma</p>	<p><u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u></p> <p>MNS blood group antibodies: anti-M, anti-N, anti-S, anti-s</p> <p>P blood group antibodies: anti-P1 - Lutheran blood group antibodies: anti-Lua,</p> <p>Lewis blood group antibodies: anti-Lea, anti-Leb Kell system blood group antibodies: anti-K, anti-k, anti-Kpa</p> <p>Duffy blood group antibodies: anti-Fya, anti-Fyb</p> <p>Kidd blood group antibodies: anti-Jka, anti-Jkb</p>	<p>Documented in-house procedures with manufacturer's instructions</p> <p>BioRad IH500 (immunohaematology) with reference to:</p> <p>LI-BB-CPP-BioRad IH500</p>



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HUMAN BODY FLUIDS	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u>	Documented in-house procedures with manufacturer's instructions
Venous whole blood: EDTA/ plasma	Manual group and Screen	Diamed Diaclon cards with reference to : LI-BB-CPP-G&S LI-BB-Christie-QG
	Direct Antiglobulin test	Diamed LISS/Coombs cards with reference to: LI-BB-CPP-Direct Antiglobulin Test
Venous whole blood: EDTA Plasma/ granulocytes/buffy coat	Serological Cross match	Diamed LISS Coombs cards, Diaclon card and Diamed reagents With reference to: LI-BB-CPP-Gel Column cross match
Venous whole blood: EDTA/ plasma	Emergency crossmatch	Diamed LISS Coombs cards, Diaclon card and Diamed reagents With reference to: LI-BB-CPP-Gel Column cross match
Venous whole blood: EDTA/ plasma	Antibody panels – antigens of the following systems: Rh – C,D,E,c,e,Cw MNSs – M,N,S,s P –P1 Lutheran – Lua Kell – K,k,Kpa Lewis – Lea, Leb Duffy – Fya, Fyb Kidd – Jka, Jkb	Manual Diamed LISS/Coombs cards and NaCl enzyme cards with reference to: LI-BB-CPP-Cell Panels



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<p>HUMAN BODY TISSUE</p> <p>Tissues: biopsy, excision and resection from anatomical sites as listed below:</p> <p>Urology Skin, lung , GI, Plastics, Thyroid Head & Neck Haematolymphoid, Gynae Sarcomas</p> <p>Formalin Fixed Paraffin wax blocks of processed tissue. (FFPE slides)</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u></p> <p>Examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis</p>	<p>Macroscopic and Microscopic examination:</p> <p>In house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions where relevant:</p> <p>Specimen dissection: Steelline downdraft benches</p> <p>Tissue processing Leica Peloris tissue processors, LI-Hist-CPP-SOP-Tissue Processing</p> <p>Tissue Embedding Using Leica Embedding Centre, LI-Hist-CPP-SOP-Paraffin Wax Embedding</p> <p>Tissue sectioning: LI-Hist-CPP-Microtomy Leica Histocore Biocut microtome</p>



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HUMAN BODY TISSUE	<u>Histopathological examination activities for the purposes of clinical diagnosis</u>	Macroscopic and Microscopic examination:
Frozen sections		In house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions where relevant: Cryotomy Frozen sections Using Leica CM 3050S cryostat. LI-Hist-CPP-Frozen sections Manual Haematoxylin and eosin (H&E) staining LI-HIST-CPP frozen sections
FFPE slides	Special stains for the detection of:	Documented in-house procedures for manual special stains
	Acid mucins	Alcain Blue (AB) LI-Hist-Christie-SOP-Alcian Blue
	Acid and neutral mucins	AB/Periodic Acid Schiff (PAS)
	Amyloid	Congo Red LI-Hist-Christie-SOP-Congo Red
	Glycogen	Diastase Digestion / PAS LI-Hist-Christie-SOP-Diastase Digestion



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HUMAN BODY TISSUE	<u>Histopathological examination activities for the purposes of clinical diagnosis</u>	Macroscopic and Microscopic examination:
FFPE slides	Special stains for the detection of:	In house documented procedures using manual methods :in conjunction with manufacturers' instructions where relevant:
	Helicobacter	Giemsa - Modified LI-Hist-Christie-SOP-Modified Giemsa
	Bacteria	Gram Stain LI-Hist-Christie-SOP-Gram Stain
	Fungi	Grocott LI-Hist-Christie-SOP-Grocott
	Melanin	Masson Fontana LI-Hist-Christie-SOP-Masson Fontana
	Connective tissue	Masson's Trichrome LI-Hist-Christie-SOP-Masson Trichrome
	Elastic fibres	Miller's Elastic Stain (EVG) LI-Hist-Christie-SOP-Miller's Elastin Stain
	Glycogen	Periodic Acid Schiff (PAS) LI-Hist-Christie-SOP-Periodic Acid Schiff
	Reticulin fibres	Reticulin LI-Hist-Christie-SOP-Reticulin Stain



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FFPE slides	Special stains for the detection of:	In house documented procedures using manual methods :in conjunction with manufacturers' instructions where relevant:
	Connective tissue	Van Gieson Stain LI-Hist-Christie-SOP-Van Gieson
	Calcium	Von Kossa Stain LI-Hist-Christie-SOP-Von Kossa
	Mycobacterium leprae	Wade Fite LI-Hist-Christie-SOP-Wade Fite
	Acid fast bacilli	Ziehl - Neelsen LI-Hist-Christie-SOP-Ziehl Neelsen
FFPE Slides	<u>Immunohistochemistry to detect the following:</u>	Using Ventana Ultra LI-Hist-CPP-IHC-Running IHC slides on Ventana Ultras.
	Cytokeratin	34BE12
	Cytokeratin	AE1/AE3
	AFP glycoprotein	AFP
	Anaplastic lymphoma kinase	Alk-1



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FFPE slides	<u>Immunohistochemistry to detect the following:</u> Prostate adenocarcinoma Associated with cell adhesion Diffuse lymph-proliferative disease and neoplastic cells of follicular lymphomas. Classification of lymphomas Adenoca/mesothelioma Reed-sternberg cells Tumour marker Mesotheliomas	Using Ventana Ultra LI-Hist-CPP-IHC-Running IHC slides on Ventana Ultras. AMACR B Catenin BCL-2 BCL-6 BER EP4 Ber H2 Calcitonin Calretinin



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FFPE slides	<u>Immunohistochemistry to detect the following:</u> Mesotheliomas Langerhans and dendritic cells Classification of lymphomas T cell marker T cells (helper+mature) Mature T cells, T cell lymphomas T Cell, NK cells Mature B cells, follicular dendritic cells, CALLA	In house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions where relevant: Using Ventana Ultra LI-Hist-CPP-IHC-Running IHC slides on Ventana Ultras. Calretinin CD1a CD2 CD3 CD4 CD5 CD7 CD8



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HUMAN BODY TISSUE	<u>Histopathological examination activities for the purposes of clinical diagnosis</u>	Macroscopic and Microscopic examination:
FFPE slides	<u>Immunohistochemistry to detect the following:</u>	In house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions where relevant: Using Ventana Ultra LI-Hist-CPP-IHC-Running IHC slides on Ventana Ultras.
	Reed-sternberg cells	CD15
	Classification of lymphomas	CD19
	B cells, some T cells	CD21
	B Cells, Reed-Sternberg cells	CD23
	Classification of lymphomas	CD25
	Natural killer cells, neuroendocrine tissues	CD43



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		In house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions where relevant:
FFPE slides	<u>Immunohistochemistry to detect the following:</u>	Using Ventana Ultra LI-Hist-CPP-IHC-Running IHC slides on Ventana Ultras.
	Neuroectodermal tumours	CD56
	Hodgkin's and T cell marker	CD57
	B lymphocytes	CD79a
	Classification of lymphomas	CD123
	Plasma cells	CD138
	Adenocarcinoma and carcinoid (intestinal epithelium)	CDX2
	CEA glycoproteins in adenocarcinoma	CEA



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HUMAN BODY TISSUE	<u>Histopathological examination activities for the purposes of clinical diagnosis</u>	Macroscopic and Microscopic examination:
FFPE slides	<u>Immunohistochemistry to detect the following:</u> Carcinoid tumours Stratified squamous epithelium, basal cells, mesotheliomas Normal and neoplastic epithelia Squamous cell tumours Epithelial tumours GI carcinomas AML/GISTS/small cell lung ca Cytomegalovirus Classification of lymphomas	In house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions where relevant: Using Ventana Ultra LI-Hist-CPP-IHC-Running IHC slides on Ventana Ultras. Chromogranin CK5/6 CK7 CK14 CK19 CK20 CKit CMV c-myc



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FFPE slides	<u>Immunohistochemistry to detect the following:</u> Expressed in variety tumours e.g. Mantle cell lymphoma Mesothelioma/rhabdomyosarcoma Hairy cell leukaemia GIST E-cadherin positive cells Neoplastic epithelia Breast carcinomas Bladder cancers, breast cancer Breast/prostate carcinomas	In house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions where relevant: Using Ventana Ultra LI-Hist-CPP-IHC-Running IHC slides on Ventana Ultras. Cyclin D1 D33 DBA-44 DOG-1 E-Cadherin EMA ERG GATA-3 GCDFP-15



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HUMAN BODY TISSUE	<u>Histopathological examination activities for the purposes of clinical diagnosis</u>	Macroscopic and Microscopic examination:
FFPE slides	<u>Immunohistochemistry to detect the following:</u> Salivary gland neoplasms Classification of lymphomas Hepatocellular carcinomas Classification of lymphomas Mesothelioma Germ cell tumours Hepatocellular tumours Kaposi's sarcoma Melanomas	In house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions where relevant: Using Ventana Ultra LI-Hist-CPP-IHC-Running IHC slides on Ventana Ultras. GFAP Glycophorin A Glypican-3 Granzyme HBME-1 hCG Hepa HHV8 HMB45



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The Christie Pathology Partnership LLP
Issue No: 012 Issue date: 27 November 2024

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY TISSUE	<u>Histopathological examination activities for the purposes of clinical diagnosis</u>	Macroscopic and Microscopic examination:
FFPE slides	<u>Immunohistochemistry to detect the following:</u>	In house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions where relevant: Using Ventana Ultra LI-Hist-CPP-IHC-Running IHC slides on Ventana Ultras.
	Classification of lymphomas	IgA
	Classification of lymphomas	IgD
	Classification of lymphomas	IgM
	Rhabdoid tumours	INI-1
	Adrenalcortical v renal cell tumours	Inhibin
	Malignant vascular disorders	JC70A
	B cells and plasma cells	Kappa
	Classification of lymphomas	L26
	B cells and plasma cells	Lambda
	Dendritic cells	Langerin



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HUMAN BODY TISSUE	<u>Histopathological examination activities for the purposes of clinical diagnosis</u>	Macroscopic and Microscopic examination:
FFPE slides	<u>Immunohistochemistry to detect the following:</u> B cells, T cells, monocytes, macrophages Classification of lymphomas Mast cells Melanomas Soft tissue sarcomas Neoplasms of epithelial origin Classification of lymphomas	In house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions where relevant: Using Ventana Ultra LI-Hist-CPP-IHC-Running IHC slides on Ventana Ultras. LCA LMP(EBV) Mast Cell Tryptase Melan A MIB-1 MNF116 MUM 1



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HUMAN BODY TISSUE	<u>Histopathological examination activities for the purposes of clinical diagnosis</u>	Macroscopic and Microscopic examination:
FFPE slides	<u>Immunohistochemistry to detect the following:</u> Lymphoid v myeloid disorders rhabdomyosarcomas neuronal differentiation testicular germ cell tumours Cervical intraepithelial neoplasia	In house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions where relevant: Using Ventana Ultra LI-Hist-CPP-IHC-Running IHC slides on Ventana Ultras. Myeloperoxidase Myogenin Neurofilament OCT 4 p16



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HUMAN BODY TISSUE	<u>Histopathological examination activities for the purposes of clinical diagnosis</u>	Macroscopic and Microscopic examination:
FFPE slides	<u>Immunohistochemistry to detect the following:</u> Lung, bladder, prostate carcinomas Many neoplasia's Differential marker for prostate classification of lymphomas urothelial carcinoma PD-LI protein expression macrophages germ cell tumours prostate specific prostatic carcinoma	In house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions where relevant: Using Ventana Ultra LI-Hist-CPP-IHC-Running IHC slides on Ventana Ultras. p40 p53 p63 Pax-5 PDL1 (SP263) PD-LI clone 22C3 PGM-1 PLAP PSA PSAP



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HUMAN BODY TISSUE	<u>Histopathological examination activities for the purposes of clinical diagnosis</u>	Macroscopic and Microscopic examination:
FFPE slides	<u>Immunohistochemistry to detect the following:</u> classification of lymphomas melanoma leiomyomas/adenomas melanomas/peripheral nerve sheath neuroendocrine tumours classification of lymphomas vascular tumours thyroid carcinomas	In house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions where relevant: Using Ventana Ultra LI-Hist-CPP-IHC-Running IHC slides on Ventana Ultras. Q Bend 10 S100 Smooth Muscle Actin (SMA) SOX 10 Synaptophysin Tdt Thrombomodulin Thyroglobulin



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HUMAN BODY TISSUE	<u>Histopathological examination activities for the purposes of clinical diagnosis</u>	Macroscopic and Microscopic examination:
FFPE slides	<u>Immunohistochemistry to detect the following:</u> renal cell carcinoma lung and thyroid tumours Sarcomas/melanomas/lymphomas Wilms tumour Oestrogen receptors Herceptin marker of breast cancer Progesterone marker	In house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions where relevant: Using Ventana Ultra LI-Hist-CPP-IHC-Running IHC slides on Ventana Ultras. TFE-3 TTF-1 Vimentin WT1 protein ER Her 2 PR



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HUMAN BODY TISSUE	<u>Histopathological examination activities for the purposes of clinical diagnosis</u>	Macroscopic and Microscopic examination:
FFPE slides	<u>In-situ hybridisation (ISH):</u> Epstein Barr Virus Infected cells B cells and plasma cells B cells and plasma cells Morphological assessment and interpretation/diagnosis	In house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions where relevant: Using Leica Bond III LI-Hist-CPP-IHC-Running slides on the BOND III and in-situ hybridization EBER ISH Kappa ISH Lambda ISH Interpretive microscopy: LI-HIST-CPP-Histology Reporting Procedure



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HUMAN BODY TISSUE	<u>Cytopathology examination activities for the purposes of clinical diagnosis</u>	In house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions where relevant:
Peritoneal fluid	Examination of cellular material in order to identify or exclude morphological and cytological abnormalities	Diagnostic cytology in-house documented manual procedures for VWR CompactStar CS4. LI-Hist-CPP-SOP-01024
	Cell block preparation for peritoneal fluid from Gynae cases:	Leica Peloris tissue processors, LI-Hist-CPP-SOP-Tissue Processing
		Leica Histocore Arcadia Embedding Centre, LI-Hist-CPP-SOP-03001
		Microtomes LI-Hist-CPP-SOP-04001 Leica Histocore Biocut microtome
	Morphological assessment and interpretation/diagnosis	Interpretive microscopy: LI-HIST-CPP-Histology Reporting Procedure



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HUMAN TISSUE AND FLUIDS	<u>Molecular Cytogenetics (FISH) examination procedures for the purposes of clinical diagnosis</u>	In house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions where relevant:
Breast and gastro-oesophageal tissue	Detection of chromosome abnormalities associated with haemato-oncology disorders.	Microscopic examination,, analysis and reporting against considered normal patterns/profiles by in house methods. Cytogenetics Analysis Policy (LP-CG-CPP-Analysis). Selection, Analysis and Checking of a Case (LI-CG-Christie-Analysis) Use of Metasystems IKAROS software (LI-CG-Christie-IKAROS)
Breast and gastro-oesophageal tissue		In house procedures and commercial kits and Thermobrite hybridisation stations, using FISH – Denaturation and Hybridisation (LI-CG-CPP-FISH Hyb) FISH – Signal Detection (LI-CG-Christie-FISH-Detect) Thermobrite; Operation and Maintenance (LI-CG-CPP-Thermobrite)
Solid Tumours – formalin-fixed paraffin embedded tissue (FFPE) and other fixed cells	FISH analysis by use of fluorescent labelled gene probes and fluorescence microscopy to detect chromosome and copy number of specific regions of the genome	As FISH protocols above <u>plus</u> FISH on Paraffin Sections; Invitrogen Pre-treatment (LI-CG-Christie-ParaFISH Invitrogen)
END		