


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 8870 Accredited to ISO 15189: 2022	Worcestershire Acute Hospitals NHS Trust	
	Issue No: 008	Issue date: 18 February 2025
	Worcestershire Royal Hospital Charles Hastings Way Worcester WR5 1DD	Contact: Will Davies Tel: +44 (0)1905 760230 E-Mail: will.davies1@nhs.net Website: www.worcsacute.nhs.uk
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address Cellular Pathology Worcestershire Royal Hospital Charles Hastings Way Worcester WR5 1DD Local contact Will Davies Tel: 01905 760230	Histology Cytology	WHR

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Mortuary Worcester Royal Hospital Charles Hastings Way Worcester, WR5 1DD	Body Store	WHR
Mortuary Alexandra Hospital Woodrow Drive Redditch, B98 7UB	Body Store Frozen sections for rapid diagnosis	AHR
Dermatology Dept – Redwood Suite Worcester Royal Hospital Charles Hastings Way Worcester, WR5 1DD	MOHs clinic – Specimen collection and processing	WHR
Ultrasound – level 1 Worcester Royal Hospital Charles Hastings Way Worcester, WR5 1DD	FNA assistance – Specimen collection	WHR



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
<p>HUMAN BODY FLUIDS AND TISSUES</p> <p>Fixed, fresh and frozen tissue, excisional and incisional biopsies and surgical resection specimens</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 supported by in-house documented procedures based on equipment manuals as relevant</p> <p><u>Specimen Dissection</u> LP-U-HIS-Management of Tissue from early Pregnancy loss LP-U-HIS-Cut up Pathologist dissection LP-U-HIS-Sentinel LN LP-U-HIS-Fat Clearing LP-U-HIS-Dissection – Orientated skin biopsy main method LP-U-HIS-Dissection – Orientated skin biopsy cruciform method LP-U-HIS-Dissection – Orientated skin CAA method LP-U-HIS-Dissection – Non Orientated skin biopsy LP-U-HIS-Dissection of a ganglion or bursa LP-U-HIS-Dissection of an appendix LP-U-HIS-Dissection of a gall bladder LP-U-HIS-Dissection Fallopian tube LP-U-HIS-Dissection POC LP-U-HIS-Dissection – Foreskin LP-U-HIS-Dissection – Lipoma LP-U-HIS-Dissection – of LLETZ or cervical cone biopsy LP-U-HIS-Dissection – Vas Deferens LP-HIS-Dissection of Axillary Lymph Nodes samples LP-HIS-Dissection of Colon LP-HIS-Dissection of Hysterectomy Samples LP-HIS-Dissection of Hysterectomy Cervical malignancy LP-HIS-Dissection of Hysterectomy endometrial malignancy</p>	WHR



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)		
Fixed and frozen tissue	Identification of nuclei, cell cytoplasm and connective tissues in cells and tissues for the purposes of clinical diagnosis using Haematoxylin & Eosin.	<u>Haematoxylin and Eosin staining</u> LP-U-HIS-Dako Coverstainer LP-U-HIS-Daily setup of Leica XL autostainer	WHR
Formalin fixed paraffin embedded tissue	<u>Special staining of histopathology examinations to assist in detection of clinical abnormalities:</u>	<u>Special staining</u> In-house manual documented procedures based on manufacturers' manuals as relevant	WHR
	Acid and Neutral Mucopolysaccharides	LP-U-HIS-Alcian blue	
	Acid Mucopolysaccharides	LP-U-HIS-Alcian blue PAS	
	Asbestos fibres from Post Mortem lung samples	LP-U-HIS-Asbestos bodies	
	Amyloid	LP-U-HIS-Congo Red	
	Elastic Fibres and connective tissue	LP-U-HIS-Elastic Van Gieson	
	Helicobacter/Microorganisms	LP-U-HIS-Giemsa	
	Gram +ve & Gram -ve microorganisms	LP-U-HIS-Gram stain	
	Fungi	LP-U-HIS-Grocott's	
	Connective tissues	LP-U-HIS-Masson trichrome	
	Hepatitis B surface antigen	LP-U-HIS-Victoria Blue	
	Copper associated protein	LP-U-HIS Victoria Blue	
	Neutral mucopolysaccharides and glycogen	LP-U-HIS-Periodic Acid Schiff	



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Formalin fixed paraffin embedded tissue</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u></p> <p>Ferric iron</p> <p>Reticulin fibres</p> <p>Connective tissues</p> <p>Acid fast mycobacteria</p>	<p><u>Special staining (cont'd)</u> In-house manual documented procedures based on manufacturers' manuals as relevant</p> <p>LP-U-HIS-Perls Prussian blue</p> <p>LP-U-HIS-Reticulin Gordon and Sweet</p> <p>LP-U-HIS-Van Gieson</p> <p>LP-U-HIS- Ziehl Neelsen</p>	WHR



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Fixed, fresh and frozen tissue, excisional and incisional biopsies and surgical resection specimens</p>	<p><u>Immunohistochemistry examination activities for detection of clinical abnormalities:</u></p> <p>Secretory epithelia</p> <p>Follicular lymphomas</p> <p>Germinal centre lymphocytes, Non Hodgkins lymphoma/ DLBCL</p> <p>High molecular weight cytokeratin</p> <p>Epithelial cells</p> <p>Gastrointestinal and pancreatic tumours</p> <p>Ovarian epithelial malignancies</p> <p>Thyroid C cells and tumours</p> <p>Smooth muscle</p> <p>T cells</p> <p>T cells , subset of B cells in mantle zone</p> <p>Lymphoblastic, Burkitt's, follicular lymphomas. Germinal centres, perineurium, breast myoepithelial cells etc</p> <p>Reed Sternberg cells, granulocytes, monocytes</p> <p>B cells</p>	<p><u>Immunohistochemistry</u></p> <p>Microscopic examination supported by in-house documented procedures based on Ventana Benchmark manuals as relevant: LP-U-HIS-ULTRA operational use and maintenance using Roche Benchmark Ultra and Roche Benchmark Ultra Plus</p> <p>CAM 5.2</p> <p>BCL2</p> <p>BCL6</p> <p>34be12</p> <p>BER EP4</p> <p>CA19.9</p> <p>CA125</p> <p>CALCITONIN</p> <p>CALPONIN</p> <p>CD3</p> <p>CD5</p> <p>CD10</p> <p>CD15</p> <p>CD20</p>	WHR



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Fixed, fresh and frozen tissue, excisional and incisional biopsies and surgical resection specimens (cont'd)</p>	<u>Immunohistochemistry examination activities for detection of clinical abnormalities</u> (cont'd):	<u>Immunohistochemistry</u> Microscopic examination supported by in-house documented procedures based on Ventana Benchmark manuals as relevant: LP-U-HIS-ULTRA operational use and maintenance using Roche Benchmark Ultra and Roche Benchmark Ultra Plus	WHR
	B cells, monocytes, FDCs	CD23	
	RS cells, Hodgkin cells, ALCL	CD30	
	Endothelial cells, platelets, monocytes, granulocytes, some B cells	CD31	
	Vascular endothelium. Lymphoid and myeloid progenitor cells	CD34	
	Majority of leucocytes	CD45	
	Neurons, astrocytes, schwann cells, NK cells	CD56	
	Macrophages, monocytes, neutrophils, basophils, large lymphocytes	CD68	
	Platelets, megakaryocytes, monocytes, macrophages, endothelial cells	CD61	
	B cells	CD79a	
	GIST, Mast cells etc	CD117	
	Plasma cells	CD138	
	Intestinal epithelial cells	CDX2	



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HUMAN BODY FLUIDS AND TISSUES (cont'd) Fixed, fresh and frozen tissue, excisional and incisional biopsies and surgical resection specimens (cont'd)	<u>Immunohistochemistry examination activities for detection of clinical abnormalities</u> (cont'd):	<u>Immunohistochemistry</u> Microscopic examination supported by in-house documented procedures based on Ventana Benchmark manuals as relevant: LP-U-HIS-ULTRA operational use and maintenance using Roche Benchmark Ultra and Roche Benchmark Ultra Plus	WHR
	Gastro intestinal stromal tumours	DOG – 1	
	Epithelial cells	E CADHERIN	
	Normal and neoplastic epithelia	EMA	
	Estrogen receptors	ER	
	Breast Tumours	HER2 LP-U-HIS-HER2 Procedure Tissue processed using VIP Processor only	
	Breast HER2 receptor status	Dual in situ hybridisation (DDISH) LP-U-HIS-HER2 DDISH Procedure	
	Trophoblastic tumour, other tumours expressing HCG	HCG	
	Melanocytic tumours	HMB45	
	Hepatocellular carcinoma	HEPATOCYTE SURFACE AG	
	Granulosa cell and Sertoli cell tumours	INHIBIN A	
	G1,S,G2 and mitotic phase cells	KI67	
	Kappa immunoglobulin light chains	KAPPA	
	Lambda immunoglobulin light chains	LAMBDA	



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	Melanocytes	MELAN A	
	Adenocarcinomas	MOC 31	
	Lung adenocarcinoma	NAPSIN A	
	Nerve tissue and neuroendocrine cells	NSE	
	Prostatic glands	PSA (POLY)	
	Prostatic tumours / PIN	P504S (AMAC-R)	
	P16 protein overexpression	P16	
	SCC lung	P40	
	P53 protein	P53	
	P63 protein	P63	
	Seminoma, some germ cell tumours	PLAP	
	Progesterone receptor	PR	
	Neuroectodermal tissues	S100	
	Smooth muscle cells	SMMHC (MYOSIN)	
	Smooth muscle cells	SMA (ACTIN)	



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Fixed, fresh and frozen tissue, excisional and incisional biopsies and surgical resection specimens (cont'd)</p>	<p><u>Immunohistochemistry examination activities for detection of clinical abnormalities</u> (cont'd):</p> <p>Ovarian serous carcinoma and clear cell renal carcinoma</p> <p>Mesotheliomas</p> <p>Melanoma</p> <p>Germ cell tumours</p> <p><u>Histopathological examination activities for the purposes of clinical diagnosis</u></p>	<p><u>Immunohistochemistry</u> Microscopic examination supported by in-house documented procedures based on Ventana Benchmark manuals as relevant: LP-U-HIS-ULTRA operational use and maintenance using Roche Benchmark Ultra and Roche Benchmark Ultra Plus</p> <p>PAX8</p> <p>Podoplanin (D240)</p> <p>SOX10</p> <p>SALL4</p>	WHR
<p>Skin (mainly from the face)</p>	<p><u>MOHS technique using frozen sections and H&E staining performed in Redwood Suite, for excision of BCC</u></p>	<p>LP-U-HIS-MOHs</p> <p>Thermo Scientific Cryostar NX50 957240L</p> <p>Thermo Fisher Linistat Linear Stainer</p> <p>Leica DM2000 Microscope</p>	WHR



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Examination of non-gynaecological specimens to assist in detection of clinical abnormalities</u>	Microscopic examination supported by in-house documented procedures based on Thinprep T2000 equipment manuals as relevant and using Hologic Thin Prep T2000, Hettich Rotina 380 and Cytospin Hettich Rotofix 32A	WHR
Fine needle aspirations (various sites) Serous effusions (pleural, ascetic, pericardial) Respiratory fluids and brushings Urine Gastrointestinal brushings Cyst Fluids Synovial Fluid	Examination of tissues to identify or exclude cytological abnormalities for the purpose of clinical diagnosis	<u>Preparation/centrifugation</u> LP-U-CYT-FNA in Pathology LP-U-CYT-FNA outside path LP-U-CYT-Use of Thinprep T2000 LP-U-CYT Centrifuge use LP-U-CYT-Using the cytospin LP-U-CYT Procedure for air-dried slides LP-U-CYT-Preparation of Biliary brushings specimens LP-U-CYT-Preparation of Bronchial Brush specimens LP-U-CYT-Bronchial Lavage specimens LP-U-CYT-Bronchial Washings LP-U-CYT-Preparation of cell blocks LP-U-CYT-Cerebrospinal fluid (CSF) LP-U-CYT-Procedure for High Risk specimens LP-U-CYT-Preparation of fine needle aspirates LP-U-CYT-Sputum samples LP-W-CYT-Thin Prep Body Fluids LP-U-HIS-Thin Prep EBUS LP-U-CYT-Thin Prep Mucoid Specimens LP-U-CYT-Preparation of Urine LP-U-CYT-Dealing with discards <u>Papanicolaou staining</u> LP-U-CYT-PAP Automated Staining method using the Leica Linistat	WHR



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<p>Slides prepared in-house from sample types listed above</p>	<p>Morphological assessment and interpretation/diagnosis</p>	<p><u>Light Microscopy</u></p>	WHR
END			