


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 UKAS MEDICAL 8810 Accredited to ISO 15189:2012	Great Western Hospitals NHS Foundation Trust	
	Issue No: 003 Issue date: 11 February 2021	
	Department of Cellular Pathology Great Western Hospitals NHS Foundation Trust The Great Western Hospital Marlborough Road Swindon SN3 6BB	Contact: Nikki Mercer Tel: +44 (0) 1793 60(4277) E-Mail: nikki.mercer1@nhs.net
Testing performed at the above address only		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity
Address Department of Cellular Pathology Great Western Hospitals NHS Foundation Trust The Great Western Hospital Marlborough Road Swindon SN3 6BB	Local contact Andrea Taibi (contact detail above)	Diagnostic cytopathology Histopathology (inc routine and special staining) Immunohistochemistry Mortuary services (inc Body receipt, storage and release)



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES</p> <p>Tissues</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>Identification of nuclei, cell cytoplasm and connective tissues in cells and tissues for the purposes of clinical diagnosis</p> <p>Examination to identify or exclude morphological and cytological abnormalities for purpose of diagnosis</p> <p><u>Special staining of histopathology examinations to assist in detection of clinical abnormalities:</u></p> <p>Acid and Neutral Mucopolysaccharides and Glycogen</p>	<p>Macroscopic and Microscopic examination supported by in-house documented procedures based on equipment manuals as relevant</p> <p><u>Specimen Dissection:</u> BMS Specimen dissection (HIS-S-151) Tissue Preparation – Transfers (CP-S-039)</p> <p><u>Decalcification:</u> Decalcification (HIS-S-092) <u>Tissue processing:</u> Sakura VIP 6 tissue processor (CP-S-01)</p> <p><u>Embedding:</u> Sakura Tissue Tek embedding centre (CP-S-035)</p> <p><u>Microtomy:</u> Microtomy (HIS-S-039)</p> <p><u>Haematoxylin and Eosin (H&E) staining:</u> Leica Autostainer ST5020 and CV5030 Coverslipper (CP-S-011)</p> <p><u>Special Staining</u></p> <p><u>Manual methods for Special stains:</u></p> <p>Alcian Blue PAS (+/- Diastase) - HIS-S-002, HIS-S-006</p>



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HUMAN TISSUES (cont'd)	<p><u>Histopathology</u> (cont'd)</p> <p>Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis</p> <p><u>Special Stains</u> (cont'd)</p> <p>Asbestos fibres, Haemosiderin, Ferric Iron</p> <p>Amyloid</p> <p>Elastic Fibres, connective tissue and Fibrin</p> <p>Reticulin Fibres</p> <p>Helicobacter/Microorganisms</p> <p>Acid Alcohol Fast Bacilli</p> <p>Spirochaetes</p> <p>Acid Fast Bacilli</p> <p>Fungi</p> <p>Gram +ve & Gram -ve microorganisms</p> <p>Haemopoietic cells</p> <p>Melanin</p> <p>Hepatitis B Surface Antigen, Copper Associated Protein</p> <p>Mast Cells</p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant)</p> <p>Perls' Prussian Blue - HIS-S-040</p> <p>Congo Red - HIS-S-004</p> <p>Miller's Elastin Stain - HIS-S-012 Masson Trichrome - HIS-S-131 Martius Scarlet Blue - HIS-S-011 Haematoxylin Van Gieson - HIS-S-010</p> <p>Gordon and Sweet's Reticulin - HIS-S-074</p> <p>Modified Giemsa - HIS-S-148</p> <p>Ziehl Neelsen - HIS-S-072</p> <p>Warthin Starry - HIS-S-133</p> <p>Wade Fite - HIS-S-132</p> <p>Grocott's Hexamine Silver - HIS-S-128</p> <p>Gram Stain - HIS-S-127</p> <p>Giemsa - HIS-S-007</p> <p>Masson Fontana - HIS-S-130 Melanin Bleach - HIS-S-028</p> <p>Shikata's Orcein - HIS-S-043</p> <p>Toluidine Blue - HIS-S-155</p>



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HUMAN TISSUES (cont'd)	<u>Immunohistochemistry examination activities for detection of clinical abnormalities:</u>	<u>Immunohistochemistry</u> Microscopic examination supported by in-house documented procedures based on equipment manuals as relevant:
Tissues	Immunohistochemistry to detect the following: Hepatocellular carcinomas, Endodermal sinus tumor (EST) or Yolk sac tumours (YST) Prostate ca Follicular lymphomas Germinal centre lymphocytes, Non Hodgkins lymphoma / DLBCL High molecular weight cytokeratin Epithelial cells Ovarian epithelial malignancies Thyroid c cells and tumours, Neurons, mesothelial cells, steroid producing cells, neuroendocrine cells, sweat glands. Secretory epithelia T cells Tcells , subset of B cells in mantle zone Lymphoblastic, Burkitts, follicular lymphomas. Germinal centres, perineurium, breast myoepithelial cells etc Reed Sternberg cells, granulocytes, monocytes B cells	Documented in house methods used in accordance with Leica operating instructions for the use of Bond III and Leica Bond III automated immunostainers and SOP CP-S-029 Incorporating the following antibodies. Alpha FetoProtein AMACR/Racemase BCL2 BCL6 34βe12 BER EP4 CA125 CALCITONIN CK8/18 CD3 CD5 CD10 CD15 CD20



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HUMAN TISSUES (cont'd)	<u>Immunohistochemistry examination activities for detection of clinical abnormalities</u> (cont'd)	<u>Immunohistochemistry (cont'd)</u> Microscopic examination supported by in-house documented procedures based on equipment manuals as relevant.
Tissues (cont'd)	Immunohistochemistry to detect the following: (cont'd)	Documented in house methods used in accordance with Leica operating instructions for the use of Bond III and Leica Bond III automated immunostainers and SOP CP-S-029 Incorporating the following antibodies:
	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
	B cells	CD79a
	GIST, Mast cells etc	CD117
	Plasma cells	CD138
	Intestinal epithelial cells	CDX2
	Cell surface glycoprotein, overexpressed in colonic and other tumours	CEA (MONO)
	Neuroendocrine cells and tumours	CHROMOGRANIN A
	Epithelium	CK (AE1/AE3)
	Non keratinising stratified squamous and basal epithelia	CK5



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HUMAN TISSUES (cont'd)	<u>Immunohistochemistry examination activities for detection of clinical abnormalities</u> (cont'd)	<u>Immunohistochemistry (cont'd)</u> Microscopic examination supported by in-house documented procedures based on equipment manuals as relevant.
Tissues (cont'd)	Immunohistochemistry to detect the following: (cont'd)	Documented in house methods used in accordance with Leica operating instructions for the use of Bond III and Leica Bond III automated immunostainers and SOP CP-S-029 Incorporating the following antibodies:
	Glandular and transitional epithelia	CK7
	Ductal and glandular epithelia	CK19
	Gastric and intestinal epithelium, urothelium, Merkel cells of skin	CK20
	Mantle cell lymphomas, myelomas	CYCLIN D1
	Desmin in striated and smooth muscle	DESMIN
	Gastro intestinal stromal tumours	DOG – 1
	Epithelial cells	E CADHERIN
	Normal and neoplastic epithelia	EMA
	Estrogen receptors	ER
	Dermal dendritic cells, endothelial cells	FACTOR XIII
	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
	Melanocytes	MELAN A



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Tissues (cont'd)	Immunohistochemistry to detect the following: (cont'd)	Documented in house methods used in accordance with Leica operating instructions for the use of Bond III and Leica Bond III automated immunostainers and SOP CP-S-029 Incorporating the following antibodies:
	Prostatic glands	PSA
	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)
	Neuroendocrine tumours, neurons	SYNAPTOPHYSIN
	Thyroid epithelial cells	THYROGLOBULIN
	Thyroid and lung cells	TTF1
	Mesenchymal cells	VIMENTIN
	Ovarian tumours	WT1
Slides prepared in house from samples listed above	Morphological assessment and interpretation/diagnosis	Microscopy (qualitative analysis) In-house procedure: Operation of microscopes (CP-S-038)



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<p>HUMAN BODY FLUIDS AND TISSUES</p> <p>Fine needle aspirations from: Lymph nodes Breast Thyroid Parotid Axilla Lung Pancreas</p> <p>Pleural Ascetic Pericardial Peritoneal Respiratory fluids and brushings Urine Peritoneal washings Ileal conduit Gastrointestinal brushings Cyst Fluids Synovial Fluid Sputum Cerebrospinal Fluid</p>	<p><u>Examination of non-gynaecological cytology specimens to assist in detection of clinical abnormalities</u></p> <p>Examination of tissues to identify or exclude cytological abnormalities for the purpose of clinical diagnosis</p> <p>Morphological assessment and interpretation/diagnosis</p>	<p>Microscopic examination supported by in-house documented procedures based on equipment manuals as relevant:</p> <p><u>Processing Non-gynae cytology specimens (CP-S-009)</u></p> <p><u>Staining:</u> Using in-house procedures for: Papanicolaou: Leica Autostainer ST5030 and CV5030 coverslipper (CP-S-011) Rapi-diff staining (CP-S-049), H&E (CP-S-011)</p> <p><u>Centrifugation:</u> Operation of centrifuges in Non-Gynae Cytology (CP-S-016)</p> <p><u>Microscopy:</u> Operation of microscopes (CP-S-038)</p>
END		