


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>21736</b> Accredited to ISO 15189:2012	<b>West Suffolk NHS Foundation Trust</b>	
	<b>Issue No:</b> 001 <b>Issue date:</b> 09 December 2022	
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Testing performed at the above address only		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<b>HUMAN TISSUES AND FLUIDS</b>  Body fluids: Urine, Pleural fluid, Ascitic fluid, Peritoneal fluid Sputum, CSF, Bronchial washings, BAL, Oesophageal brushings, Biliary brushings, FNAC: thyroid, cysts, parotid, breast.	<u>Diagnostic Cytology</u>  Preparation and examination of cellular material to identify or exclude morphological and cytological abnormalities	<u>Preparation/centrifugation</u> In-house documented procedures in conjunction with manufacturers' instructions using: Hettich Universal Centrifuge. Labcaire Class 1 Safety Cabinet. CP-SOP-4: Non-Gynaecological Procedures  <u>Papanicolaou staining</u> Automated staining using in-house procedures HISTWSH61: Non-Gynaecological Pap staining, cover slipping and quality control Using Leica Histo Core Spectra ST and Leica Histo Core Spectra CV  <u>May Grunwald Giemsa Staining</u> Automated using in house procedures HISTWSH59 May-Grunwald Giemsa staining, coverslipping and quality control. Using Leica Histo Core Spectra ST and Leica Histo Core Spectra CV



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<p>HUMAN TISSUES AND FLUIDS (cont'd)</p> <p>Formalin fixed human body tissue</p>	<p><u>Histopathology</u></p> <p>Preparation and examination to identify or exclude morphological or cytological abnormalities</p>	<p>Macroscopic and microscopic examination using in-house procedures in conjunction with manufacturer instructions for the following:</p> <p><u>Tissue dissection for histological processing</u> <u>Dimensional measurement/weight</u> Using:</p> <p>AFOS downflow bench CP-SOP-19: Cut up room procedures. CP-SOP-19: Specimen dissection Procedures CP-SOP-34 Part A – Female reproductive tract CP-SOP-47 Part B – Skin CP-SOP-45 Part C – Male reproductive tract and urinary tract CP-SOP-41 Part D –Breast CP-SOP-42 Part E – Alimentary tract CP-SOP- 46 Part F – Bone and other tissues Leica IP C (automated printing system for tissue cassettes) P51001-E</p> <p><u>Decalcification</u> HISTWSH431 Decalcification</p>



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<p>HUMAN TISSUES AND FLUIDS (cont'd)</p> <p>Formalin fixed human body tissue (cont'd)</p>	<p><u>Histopathology</u> (cont'd)</p> <p>Preparation and examination to identify or exclude morphological or cytological abnormalities (cont'd)</p>	<p>Macroscopic and microscopic examination using in-house procedures in conjunction with manufacturer instructions for the following:</p> <p><u>Tissue processing</u> Leica Peloris HISTWSH313: Tissue processing</p> <p><u>Embedding</u> Manual method using: CP-SOP-3: Embedding Procedures H&amp;C embedding centre Leica HistoCore Arcadia Sakura Tissue Tek TEC6 Embedding &amp; Cryo modules embedding centre</p> <p><u>Microtomy</u> Manual method using: Histo Core Multi Cuts HISTWSH257: Microtomy Procedures</p>
<p>Fresh tissue</p> <p>Frozen tissue</p>	<p>Intra-operative diagnosis</p>	<p><u>Frozen section</u> Cryotomy and manual H&amp;E staining method using Leica CM1860 UV cryostat <u>HISTWSH350, CP-SOP-32</u></p>
<p>Formalin fixed paraffin embedded (FFPE) tissue sections</p>	<p>Basophilic and eosinophilic tissue structures</p>	<p><u>Routine haematoxylin and eosin staining and coverslipping</u> Automated method using HISTWSH266: Automated staining and coverslipping procedure Leica Histo Core Spectra ST Leica Histo Core Spectra CV Labcaire WS6 downflow workstation. Olympus BX45 microscope</p>



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Histopathology</u> (cont'd)	
FFPE sections	Detection of the following:	<u>Special staining</u> Manual methods using HISTWSH: Procedure for each special stain in repertoire  Leica Histo Core Spectra ST Leica Histo Core Spectra CV Labcaire WS6 downflow workstation. Olympus BX45 microscope  Congo Red Masson's trichrome Victoria blue Alcian blue/PAS Alcian blue/DPAS Alcian blue pH 2.5 Chromotrope aniline blue Giemsa Gram  Grocott Millers elastic Van gieson PAS PAS diastase Perls Reticulin Wade Fite Ziehl Neelsen
FFPE sections	Amyloid Collagen and smooth muscle Connective tissue, elastic fibres Acid and neutral mucins Glycogen Acid mucopolysaccharides Fibrosis Blood and haemopoetic cells Gram positive and negative organisms Fungi Elastic fibres, collagen, muscle Liberated aldehydes Liberated aldehydes Haemosiderin Reticulin fibres Acid fast bacilli Acid fast bacilli	Immunohistochemistry using Leica Bond III immunostainer  Leica Histo Core Spectra ST Leica Histo Core Spectra CV HISTWSH312 Immunohistochemistry procedures and the following antibodies:  Actin (smooth muscle actin) AE1/AE3 cytokeratin Alpha fetoprotein (AFP)



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Histopathology</u> (cont'd)	
FFPE sections (cont'd)	Immunohistochemistry for the demonstration of target antigens in tissue sections to identify or exclude the following: (cont'd)	Immunohistochemistry using Leica Bond III immunostainer
	Prostate cancer	Leica Histo Core Spectra ST
	Follicular lymphomas and diffuse large cell lymphomas	Leica Histo Core Spectra CV
	Non-Hodgkins lymphoma	HISTWSH312
	Basal cell carcinoma	Immunohistochemistry procedures and the following antibodies:
	Carcinoma	AMACR
	Pancreatic cancer	BCL2
	Mesothelial cells	BCL6
	Common acute lymphoblastic leukaemia antigen (CALA) and follicular lymphoma	BER EP4
	Detection of GIST tumours	CA125
	Normal and neoplastic plasma cells	CA19.9
	B cells	Calretinin
	B cell chronic lymphocytic lymphoma	CD10
	RS cells	CD117 C-KIT GIST marker
	Blood vessels and haematopoietic cells	CD138 SYNDECAN-1
	Blood vessels, haematopoietic cells and GIST tumours	CD20 (PAN B)
	T cells	CD23 B CELL CLL
	Neuroendocrine marker	CD30 (BER H2)
	Acute myeloid leukaemia, granulocytic sarcoma	CD31 Angiogenesis marker
	Colorectal adenocarcinoma	CD34 (QBEND10)
	Colon mucosa	ENDOTHELIAL
	Neuroendocrine tumours	CD5
	Epithelial cells	CD56 (NCAM)
	Cytomegalovirus	CD68 (KP1)
	Mantle cell lymphoma	CDX2
	Squamous cell carcinoma	CEA MONOCLONAL
	Adenocarcinoma	CHROMOGRANIN
	Gastrointestinal epithelia	CK7
		CMV
		CYCLIN D1
		CYTOKERATIN 17
		CYTOKERATIN 19
		CYTOKERATIN 20



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Histopathology</u> (cont'd)	
FFPE sections (cont'd)	Immunohistochemistry for the demonstration of target antigens in tissue sections to identify or exclude the following: (cont'd)	Immunohistochemistry using Leica Bond III immunostainer
	Mesothelioma Mesothelioma Rhabdomyosarcoma Breast, prostate carcinoma Epithelial cells	Leica Histo Core Spectra ST Leica Histo Core Spectra CV HISTWSH312 Immunohistochemistry procedures and the following antibodies:
	Breast and urothelial carcinoma, adenocarcinoma Trophoblasts Overexpression of HER2 in breast cancer Papillary thyroid carcinoma Prostatic adenocarcinoma, carcinoma Melanosomes Cell proliferation Cells of lymphoid or myeloid origin	CYTOKERATIN 5 D2-40 DESMIN E-CADHERIN EPITHELIAL MEMBRANE ANTIGEN Galectin 3
	Melanocytes Colorectal cancer Epithelial cancers Adenocarcinoma Colorectal cancer Melanoma Lung adenocarcinoma Prostatic adenocarcinoma Seminoma and embryonal carcinoma Oestrogen receptor	HCG HER2(C-ERBB2)  HBME-1 HIGH MW CYTOKERATIN  HMB45 MIB 1 (Ki67) LEUCOCYTE COMMON ANTIGEN(CD45) MELAN A MLH1 MNF 116 MOC-31 MSH2 MSH6 NAPSIN A NKX3.1 OCT3/4
	Squamous cell carcinoma head and neck Tumour suppressor gene Myoepithelial cells	OESTROGEN RECEPTOR (ID5) P16  P53 P63



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HUMAN TISSUES AND FLUIDS (cont'd)  FFPE sections (cont'd)	<u>Histopathology</u> (cont'd)  Immunohistochemistry for the demonstration of target antigens in tissue sections to identify or exclude the following: (cont'd)  Ovarian tumours Seminoma, ovarian cancer  Colorectal, endometrial cancer Progesterone receptor  Prostate cancers Melanoma, neuroendocrine cells Leiomyosarcoma Neuroendocrine tumours Lung adenocarcinoma Mesenchymal derived cells Serous ovarian carcinoma	Immunohistochemistry using Leica Bond III immunostainer  Leica Histo Core Spectra ST Leica Histo Core Spectra CV HISTWSH312 Immunohistochemistry procedures and the following antibodies: PAX 8 PLACENTA LIKE ALK. PHOSPHATASE PMS2 PROGESTERONE RECEPTOR(PGR 636) PSAP S100 SM MYOSIN(HC) SYNAPTOPHYSIN TTF-1 VIMENTIN WT-1
END		