


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>Accredited to ISO 15189:2022</b>	<b>County Durham and Darlington NHS Foundation Trust</b>	
	<b>Issue No: 003</b>	<b>Issue date: 14 February 2025</b>
	<b>Cellular Pathology Department</b> <b>University Hospital of North Durham</b> <b>North Road</b> <b>Durham</b> <b>County Durham</b> <b>DH1 5TW</b>	<b>Contact: Rebecca Sedman</b> <b>Tel: +44 (0) 191 333 2116</b> <b>E-Mail: rebecca.sedman@nhs.net</b> <b>Website: cddft.nhs.uk</b>
<b>Testing performed by the Organisation at the locations specified below</b>		

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details	Activity	Location code
<b>Address</b> Cellular Pathology Department University Hospital of North Durham North Road Durham DH1 5TW  <b>Local contact</b> Jen Siddall Tel: 01913332447 Email: jennifersiddall@nhs.net	Histopathology Non-gynae Cytology	A

#### Site activities performed away from the locations listed above:

Location details	Activity	Location code
University Hospital of North Durham North Road Durham DH1 5TW  Jen Siddall Tel: +44 (0)191 3332447 Email: jennifersiddall@nhs.net	Mortuary Services (body receipt, storage and release)	A
Darlington Memorial Hospital Hollyhurst Road Darlington Durham DL3 6HX  Jen Siddall Tel: +44 (0)191 3332447 Email: jennifersiddall@nhs.net	Mortuary Services (body receipt, storage and release)	B



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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><b>HUMAN BODY TISSUE</b></p> <p>Tissue: biopsy, excision, resection and post-mortem specimens</p> <p>Formalin Fixed Paraffin wax blocks of processed tissue.</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>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Specimen dissection – CP/PA/CP/SOP4 LP/PA/HP/SOP26 TO /SOP 33 LP/PA/HP/SOP35 AND /SOP36 LP/PA/HP/SOP40 LP/PA/HP/SOP42 TO /SOP44 LP/PA/HP/SOP134</p> <p>Tissue Sampling LP/PA/HP/SOP98</p> <p>Specimen Decalcification Decalcification &amp; the determination of end point using Ammonium Oxalate test.</p> <p>LP/PA/HP/SOP113</p> <p>Tissue processing using VIP Tissue processors</p> <p>LP/PA/HP/SOP106</p> <p>Tissue Embedding Using Auto Tec 120 automated embedding station</p> <p>LP/PA/HP/SOP109</p> <p>Manual Tissue Embedding LP/PA/HP/SOP3</p> <p>Tissue Sectioning Using Leica Microtomes</p> <p>LP/PA/HP/SOP104</p>	A



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Tissue for frozen sections  FFPE slides (Formalin fixed paraffin embedded) tissue on glass slides		Cryotomy Intra-operative Frozen sections Using Leica Cryostat LP/PA/HP/SOP20  Pathologist reporting procedures CP/PA/CP/SOP6 CP/PA/CP/SOP8	



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HUMAN BODY TISSUE (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:	A
FFPE slides (Formalin fixed paraffin embedded) and frozen sections	Routine morphological staining For the detection of:		
	Basophilic and eosinophilic structures	Routine morphological staining Prisma automatic using: LP/PA/HP/SOP102  Haematoxylin and Eosin (H & E) stains LP/PA/HP/SOP65  Frozen Section Staining (Rapid H&E)  LP/PA/HP/SOP17	
Trephine on glass slides	Basophilic and eosinophilic structures	Haematoxylin and Eosin (H & E) stains LP/PA/HP/SOP65	



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FFPE slides	Special stains for the detection of:  Connective tissue  Connective tissue and fibrin  Reticulin fibres  Elastic fibres	Documented in-house procedures for manual special stains  Van Gieson method LP/PA/HP/SOP66  Martius Yellow, Brilliant Crystal Scarlet, Soluble Blue (MSB)  LP/PA/HP/SOP68  Gordon & Sweets method LP/PA/HP/SOP69  Modified Weigert LP/PA/HP/SOP70	



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HUMAN BODY TISSUE (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)  Acid and Neutral Mucopolysaccharides  Carbohydrates and mucins  Amyloid  Amyloid  Gram positive and negative microorganisms  Fungi  Helicobacter/Microorganisms  Acid Alcohol Fast Atypical Mycobacterium (Tubercle bacilli)  Haemosiderin and ferric iron  Melanin, Argentaffin cells and Lipofuscin pigment  Melanin bleached  Mast cells	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:  Alcian Blue/PAS LP/PA/HP/SOP71  Period acid Schiffs LP/PA/HP/SOP72  Improved Congo red LP/PA/HP/SOP73  Sirius Red  LP/PA/HP/SOP74  Grams method LP/PA/HP/SOP75  Grocott-Gomori Methenamine Silver LP/PA/HP/SOP76  Giemsa stain LP/PA/HP/SOP77  Ziehl Neelsen LP/PA/HP/SOP78  Perls Prussian Blue LP/PA/HP/SOP79  Masson Fontana LP/PA/HP/SOP80  Melanin Bleach LP/PA/HP/SOP81  Toluidine Blue LP/PA/HP/SOP82	A



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HUMAN BODY TISSUE (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:	A
FFPE slides	Atypical Mycobacterium (M. leprae)	Wade Fite  LP/PA/HP/SOP85	
	<u>Immunohistochemistry to detect the following:</u>	Dako Omnis Immuno Stainer and SOP LP/PA/HP/SOP24	
	Epithelial cells	AE1/AE3	
	Differential diagnosis-malignant mesothelioma /adenocarcinoma	BCL2	
	Epithelial cell types	BerEP4	
	Reacts with human calretinin and intracellular calcium binding protein. Marker for mesotheliomas	CALRETININ	
	T cells in mantle zone	CD3	
	T and B cells -leukaemia	CD5	
	Childhood ALL, follicular lymphoma	CD10	
	B cells lymphoma	CD20	
	Reed Sternberg cells, Hodgkins	CD30	
	Endothelial cells, malignancy	CD31	



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FFPE slides (cont'd)	<u>Immunohistochemistry to detect the following:</u> (cont'd)	Dako Omnis Immuno Stainer and SOP LP/PA/HP/SOP24	
	Vascular epithelium	CD34	
	B & T cells	CD45	
	Neuroectodermal cells	CD56	
	Macrophages	CD68	
	B cells	CD79	
	GIST tumours	CD117 (c-kit)	
	Carcinoid/metastatic Adenocarcinoma differentiation	CDX2	
	Epithelial malignancy	CEA (MONO)	
	Epithelial malignancy	CEA (POLY)	
	Neuroendocrine cells	CHROMOGRANIN	
	Epithelial cells	CK-PAN	
	Prostatic basal cells	CK-34BE12	
	Epithelial neoplasms	CK5/6	
	Differentiating primary/metastatic pulmonary adenocarcinoma	CK7	
	Differentiating primary/metastatic pulmonary adenocarcinoma	CK20	





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FFPE slides (cont'd)	<u>Immunohistochemistry to detect the following:</u> (cont'd)	Dako Omnis Immuno Stainer and SOP LP/PA/HP/SOP24	
	Lymphatic endothelium	D2-40	
	Smooth and striated muscle	DESMIN	
	Epithelial cell Ca	E-CADHERIN	
	Epithelial cell	EMA	
	Oestrogen receptor - breast	OESTROGEN RECEPTOR	
	Melanoma panel marker	HMB45	
	Proliferating cells	KI67	
	Melanoma panel marker	MELAN A	
	Germ cell tumour	OCT3/4	
	Transcription factor kidney, thyroid	PAX-8	
	Cervical Ca	P16	
	Tumour suppressor	P53	
	Benign/malignant prostate tumour	P63	
	Progesterone receptor breast	Progesterone Receptor	
	Prostate neoplasms	Prostate Specific Antigen (Poly)	



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FFPE slides (cont'd)	<u>Immunohistochemistry to detect the following:</u> (cont'd)	Dako Omnis Immuno Stainer and SOP LP/PA/HP/SOP24	
	Melanoma panel marker	S100	
	Smooth muscle	SMA	
	Smooth muscle myosin	SMMhc	
	Neuroendocrine cells	SYNAPTOPHYSIN	
	Thyroid/lung	TTF1	
	Mesenchymal cells	VIMENTIN	
	Renal tumours, mesothelioma	WT-1	
Slides as prepared above	<u>Morphological assessment and interpretation/diagnosis</u>	Documented in house methods incorporating manufacturers' instructions where relevant:	A
	Morphological assessment and interpretation/diagnosis	Interpretive microscopy:  Microscopes: - Nikon & Nikon Eclipse - Olympus BH2 - Leica  Key SOP's: - - Pathologist reporting  CP/PA/CP/SOP6 CP/PA/CP/SOP8	



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<p>HUMAN BODY FLUIDS (cont'd)</p> <p>Fine needle aspirations (various sites) Serous effusions (pleural, ascitic, pericardial) Respiratory fluids and brushings Urine Gastrointestinal brushings Cyst Fluids Synovial Fluid CSF Peritoneal washings</p>	<p><u>Cytopathological (Non-Gynae) examination activities for the purposes of clinical diagnosis</u></p> <p>Examination of cellular material in order to identify or exclude morphological and cytological abnormalities</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions based on Thinprep T2000 equipment and SOP's</p> <p>ThinPrep 2000 – LP/PA/CY/SOP27</p> <p>Cytocentrifugation – LP/PA/CY/SOP26</p> <p>Use of Leica Autostainer – LP/PA/CY/SOP15</p> <p>Sputum Prep – LP/PA/CY/SOP32</p> <p>Bronchial Brushings LP/PA/CY/SOP29</p> <p>Bronchioalveolar Lavage- LP/PA/CY/SOP32</p> <p>Serous Fluid/Cyst Prep – LP/PA/CY/SOP35</p> <p>Breast FNA – LP/PA/CY/SOP36</p> <p>Urine Prep – LP/PA/CY/SOP37</p> <p>CSF Prep – LP/PA/CY/SOP38</p>	A



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END			