


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>8661</b> Accredited to ISO 15189:2022	<b>Great Ormond Street Hospital for Children NHS Foundation Trust</b>	
	<b>Issue No: 010</b> <b>Issue date: 06 October 2025</b>	
	<b>Department of Histopathology Floor 3 Camelia Botnar Laboratories 85 Lambs Conduit Street, London WC1N 3NN</b>	<b>Contact: Professor Thomas Jacques Tel: +44 (0)2078298663 Website: <a href="https://www.gosh.nhs.uk/wards-and-departments/departments/laboratory-medicine/">https://www.gosh.nhs.uk/wards-and-departments/departments/laboratory-medicine/</a></b>
<b>Testing performed at the above address only</b>		

### Additional site activity performed away from the laboratory

Location details	Activity
Mortuary and Body Store Floor 0 Camelia Botnar Laboratories Great Ormond Street Hospital for Children Great Ormond Street London WC1N 3JH	Storage of Bodies Record Keeping (body identification and audit trail)



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#### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUE AND BODY FLUIDS	<u>Histopathology examination activities for the purpose of diagnosis</u>	Macroscopic and Microscopic examination. Documented in house methods incorporating manufacturers' instructions where relevant:
Formalin fixed tissue	Macroscopic description	Biopsy transfer and Specimen Dissection SSOP 01.105SSOP C0001
Formalin fixed tissue	Tissue processing (inc. decalcification)	Tissue processing as per Manufacturer's instructions for Leica Peloris III in conjunction with documented procedures: SSOP 01.102
Formalin fixed paraffin impregnated tissue	Tissue orientation and embedding	Tissue embedding as per Manufacturer's instructions for SLEE MPS PII Embedding Console System in conjunction with documented procedures: SSOP 01.101
Formalin Fixed Paraffin Embedded (FFPE) Tissue	Tissue sectioning	Tissue sectioning as per Manufacturer's instructions for Leica RM2245, Leica HistoCore MULTICUT and in conjunction with documented procedures: SSOP 01.101
Frozen tissue, cytopins and FFPE tissue sectins on glass slides	Haematoxylin and Eosin (H&E) staining for tissue architecture and nuclear detail (identification of basophilic and eosinophilic structures)	Manufacturer's instructions for SPECTRA ST and CV in conjunction with documented procedures: SSOP 01.101
FFPE tissue sections on glass slides	Giemsa staining for identification of Helicobacter Pylori Including glass slide coverslipping	SSOP 01.101 & SSOP 06.99



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HUMAN TISSUE AND BODY FLUIDS (cont'd)	<u>Histopathology examination for the purpose of diagnosis</u> (cont'd)	Macroscopic and Microscopic examination. Documented in house methods incorporating manufacturers' instructions where relevant:
Fresh Tissue	Snap freezing and Frozen Section	Manufacturer's instructions for Leica CM1860 UV cryostat in conjunction with documented method: SSOP 01.104
Frozen Sections on glass slides	Histochemical staining for the identification of:  Eosinophilic and basophilic structures for morphological assessment  Fats and lipids  Acetylcholinesterase	Manual staining methods using in house documented procedures:  Rapid H&E SSOP 01.101  Oil red O SSOP 06.99  AChE SSOP 11.99
Fresh tissue smear	Morphological assessment	Toluidine Blue SSOP01.106
Formalin Fixed Paraffin Embedded Tissue (FFPE) sections on glass slides	Histochemical staining for the identification of:  Weakly sulphated and acidic mucins  Acidic and neutral mucins  Amyloid  Connective tissue elements, including collagen  Elastic fibres and connective tissue	Automated histochemical staining on Ventana Benchmark Special Stains as per manufacturer's instructions in conjunction with documented procedures: SSOP 06.99  Alcian Blue (AB) technique  Alcian Blue Periodic Acid-Schiff (AB PAS) technique  Congo Red technique  Masson Trichrome SSOP 06.99  Elastic van-Gieson (EVG) technique SSOP 06.99



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HUMAN TISSUE AND BODY FLUIDS (cont'd)	<u>Histopathology examination for the purpose of diagnosis</u> (cont'd)	Manual staining methods using in house documented procedures and the following stains
Formalin Fixed Paraffin Embedded Tissue (FFPE) sections on glass slides (cont'd)	Histochemical staining for the identification of: (cont'd)	Automated histochemical staining on Ventana Benchmark Special Stains as per manufacturer's instructions in conjunction with documented procedures: SSOP 06.99
	Fungi	Grocott
	Polysaccharides, fungi and basement membranes	PAS Diastase (PASD)
	Ferric iron	Perls
	Reticulin	Reticulin
	Basement Membranes	Periodic Acid Methanamine Silver (PAMS)
	Haematopoietic cells and <i>Helicobacter pylori</i> -like organisms	Modified Giemsa techniques SSOP 06.99
	Detection of bacteria	Gram stain SSOP 06.99
	Myelin sheaths	Luxol Fast Blue SSOP 06.99
	Fibrin	Martius Scarlet Blue (MSB) SSOP 06.99
	Melanin and argetaffin granules	Masson Fontana SSOP 06.99
	Copper associated protein and Hepatitis B surface antigen	Orcein SSOP 06.99
	Mast cells	Toluidine Blue SSOP 06.99
	Calcium	Von Kossa SSOP 06.99
	Acid and alcohol-fast bacilli	Ziehl-Neelsen (ZN) SSOP 06.99



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HUMAN TISSUE AND BODY FLUIDS (cont'd)	<u>Histopathology examination for the purpose of diagnosis</u> (cont'd)	Manual staining methods using in house documented procedures and the following stains
Formalin Fixed Paraffin Embedded Tissue (FFPE) sections on adhesive glass slides	Immunohistochemistry (IHC) for the demonstration of the following antigens:  C1q complement (Renal Native Panel) C3 complement (Renal Native Panel) IgA (Renal Native Panel) IgG (Renal Native Panel) IgM (Renal Native Panel)  MLH1 MSH2 MSH6 PMS2	Manufacturer's instructions for the listed equipment in conjunction with documented procedures from SSOP 07.99: Leica Bond RX
Formalin Fixed Paraffin Embedded Tissue (FFPE) sections on adhesive glass slides	Chromogenic In-Situ Hybridisation (CISH) for the detection of:  EBV (Epstein Barr Virus)	Manufacturer's instructions for the listed equipment in conjunction with documented procedures from SSOP 07.99 Leica Bond RX
	Immunohistochemistry (IHC) for the demonstration of the following antigens:  ACTH Adenovirus (Pan-cytokeratin) AE1/AE3 ALK-1 Alzheimer precursor protein (APP) Alpha Feto-protein (AFP) ATRX Beta-catenin ( $\beta$ -catenin) BCL2 BCL6 BCOR (Ep-Cam) Ber-EP4 Bombesin Brachyury BRAF V600E C4d	Manufacturer's instructions for the listed equipment in conjunction with documented procedures from SSOP 07.99 Ventana Benchmark ULTRA



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<p>HUMAN TISSUE AND BODY FLUIDS (cont'd)</p> <p>Formalin Fixed Paraffin Embedded Tissue (FFPE) sections on adhesive glass slides (cont'd)</p>	<p><u>Histopathology examination for the purpose of diagnosis</u> (cont'd)</p> <p>Calretinin CD1a CD2 CD3 CD4 CD5 CD8 CD10 CD14 CD15 CD19 CD20 CD21 CD30 CD31 CD34 CD45 CD56 CD61 CD68 (KP1) CD68 (PG-M1) CD79a CD99 CD117 (c-kit) CD138 CD163 Chromogranin A CMV (Cytomegalovirus) CRX Cyclin D1 Cytokeratin 7 (CK7) Cytokeratin 14 (CK14) Cytokeratin 20 (CK20) (Podoplanin) D2-40 Desmin EMA ERG EZHIP (CXorf67) Factor 8 Factor 13a Fascin FOXP3</p>	<p>Manufacturer's instructions for the listed equipment in conjunction with documented procedures from SSOP 07.99 Ventana Benchmark ULTRA (cont'd)</p>



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<p>HUMAN TISSUE AND BODY FLUIDS (cont'd)</p> <p>Formalin Fixed Paraffin Embedded Tissue (FFPE) sections on adhesive glass slides (cont'd)</p>	<p><u>Histopathology examination for the purpose of diagnosis</u> (cont'd)</p> <p>FSH GAB1 GFAP Glucagon Glut-1 Glycophorin C Glypican-3 H. Pylori H3G34R H3K27M H3K27me3 HCG Human Growth Hormone HLA-DR HMB45 (Melanosome) HSV 1 HSV 2 IDH1 Inhibin INI-1 (BAF47, SMARCB1) INSM1 Insulin IgG4 Ki-67 L1CAM Langerin LIN28a Luteinizing hormone Lysozyme MAP2 Mast Cell Tryptase (MCT) Melan-A (Pan-cytokeratin) MNF116 MUM-1 Myeloperoxidase (MPO, MPX) MyoD1 Myogenin NeuN Neurofilament 66 kD Neurofilament 200 kD pan-NTRK NUT1</p>	<p>Manufacturer's instructions for the listed equipment in conjunction with documented procedures from SSOP 07.99 Ventana Benchmark ULTRA (cont'd)</p>



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<p>HUMAN TISSUE AND BODY FLUIDS (cont'd)</p> <p>Frozen muscle tissue sections on adhesive glass slides</p>	<p><u>Histopathology examination for the purpose of diagnosis (cont'd)</u></p> <p>Immunohistochemistry for the detection of the following antigens:</p> <p>Dystrophin 1 Dystrophin 2 Dystrophin 3 Dysferlin Beta Dystroglycan Myosin Developmental Myosin Fast Myosin Neonatal Myosin Slow Sarcoglycan Alpha Sarcoglycan Beta Sarcoglycan Delta Sarcoglycan Gamma Alpha-2-Merosin Caveolin Collagen VI Emerin Merosin (laminin alpha 2_ P62 Spectrin CD3 CD4 CD8 CD20 CD31 CD68 MxA Dysferlin HLA (ABC) MAC C5b-9</p>	<p>Manufacturer's instructions for Leica Bond RX in conjunction with in house documented procedures SSOP 11.99</p>



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<p>HUMAN TISSUE AND BODY FLUIDS (cont'd)</p> <p>Frozen muscle tissue sections on adhesive glass slides</p> <p>Formalin and glutaraldehyde fixed tissues</p> <p>Hair</p> <p>Platelets</p> <p>Buffy Coat</p>	<p><u>Histopathology examination for the purpose of diagnosis</u> (cont'd)</p> <p>Enzyme Histochemistry for the identification of:</p> <p>Cytochrome Oxidase NAHD Dehydrogenase Muscle and collagen</p> <p>Succinate Dehydrogenase Muscle architecture (inc. mitochondria)</p> <p>Electron Microscopy Demonstration of ultrastructural components of renal, muscle, cardiac, and other tissues</p> <p>Production of micrographs for diagnostic and interpretive use.</p> <p>Demonstration of ultrastructural components</p> <p>Demonstration of ultrastructural components (Hermansky Pudlak)</p> <p>Demonstration of ultrastructural components - Vacuolated lymphocytes</p>	<p>Manual methods following in house documented procedures:</p> <p>COX SSOP 11.99 NADH SSOP 11.99 Picrosirius SSOP 11.99</p> <p>SDH SSOP 11.99 Gomori Trichrome SSOP 11.99</p> <p>Manufacturer's instructions for JEOL 1400 Electron Microscope and Leica Ultracut Microtome with in house documented methods:</p> <p>SSOP 09.99: Specimen reception, fixation and dissection SSOP 09.99: Resin Processing SSOP 09.99: Semi thin sectioning using the Ultra microtome SSOP 09.99: Ultrathin sectioning SSOP 09.99: EM staining schedule</p> <p>SSOP 09.99 (B): Reception and booking in and Omni Reference guide</p> <p>SSOP 09.99 Diagnosis of Hermansky Pudlak (HP)</p> <p>SSOP 09.99</p>



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	To identify or exclude morphological and cytological abnormalities	Macroscopic and Microscopic examination:
		SSOP 01.106: Use of Cytospin, Handling of fresh/infectious specimens and use of Hepair Class 1 cabinet, Use of centrifuge
CSF		Cerebro Spinal Fluid (CSF)
Body Fluids		SSOP 01.106: Body Fluids
Cyst Aspirates		SSOP 01.106: Craniopharyngioma cyst aspirate
Sputum		SSOP 01.106: Sputum Oil Red O Rapid H&E SSOP 01.106
Trans bronchial Biopsy and lavage		SSOP 01.106: Transbronchial Biopsy and lavage
All slides prepared as above	Whole Slide Imaging (excluding cytology) Optical Microscopy and Digital morphological assessment and interpretation/diagnostic opinion	As per Manufacturer's instructions for Leica Aperio GT450 and SECTRA PACS in conjunction with documented procedures: SSOP 01.101 and SRP002

END