


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 8626</p> <p>Accredited to ISO 15189:2022</p>	Epsom and St Helier University Hospitals NHS Trust	
	Issue No: 004 Issue date: 05 February 2025	
	Histopathology Epsom General Hospital Dorking Road Epsom Surrey KT18 7EG	Contact: Michelle Santos Tel: +44 (0) 208 296 2144 E-Mail: Michelle.Santos@nhs.net Website: www.epsom-sthelier.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 Epsom and St Helier University Hospitals NHS Trust Epsom General Hospital Dorking Road Epsom Surrey KT18 7EG	Local contact See above	Histology examinations Mortuary services Body store
Address Epsom and St Helier University Hospitals NHS Trust St Helier Hospital Wrythe Lane Carshalton Surrey SM5 1AA	Local contact See above	Histology Cut Up Frozen Sections Cytology examinations Mortuary services Body store

Site activities performed away from the locations listed above:

Location details	Activity
Address: Bronchoscopy Unit St Helier Hospital	Local Contact As above
	Assisting in the preparation of slides for examination in the laboratory



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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 TISSUE AND FLUIDS</p> <p>Fixed, fresh and frozen tissue. Benign soft tissue tumour. Malignant soft tissue tumour. Excisional and incisional biopsies. Surgical resection specimens. Other soft tissue. Bone. Bone tumours.</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u></p> <p>Examination of tissues to identify or exclude morphological and cytological abnormalities for the purpose of clinical diagnosis</p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):</p> <p><u>Specimen macroanalysis, dissection & decalcification</u></p> <p>In-house procedures: SOP: HU.SOP.140 HU.SOP.114 HU.SOP.117</p>	A B
		<p><u>Cryotomy</u> In-house procedures: SOP HU.SOP.113</p> <p>In conjunction with manufacturer's instructions using: Thermo Scientific cryostat HM550 HU.EXT.113</p>	A B
		<p><u>Tissue processing</u></p> <p>In-house procedures in conjunction with manufacturer's instructions for: Shandon Excelsior tissue processors, SOP HU.SOP.134 HU.EXT.112</p>	A B



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Fixed, fresh and frozen tissue. Benign soft tissue tumour. Malignant soft tissue tumour. Excisional and incisional biopsies. Surgical resection specimens. Other soft tissue. Bone. Bone tumours.</p> <p>Formalin-fixed paraffin-embedded (FFPE) tissues</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)</p> <p>Examination of tissues to identify or exclude morphological and cytological abnormalities for the purpose of clinical diagnosis</p> <p>Identification of nuclei, cell cytoplasm and connective tissues in cells and tissues</p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):</p> <p><u>Tissue Embedding</u></p> <p>In-house procedures: SOP HU.SOP.133 in conjunction with manufacturer's instructions for Leica EG 1150/1160 embedding centres HU.EXT.118 HU.EXT.119</p> <p><u>Tissue Sectioning & Slide Production</u></p> <p>In-house procedures: SOP: HU.SOP.026 HU.SOP.002 HU.SOP.025 HU.SOP.004 in conjunction with manufacturer's instructions using Leica RM2135 microtome HU.EXT.116</p> <p>Routine Haemotoxylin and Eosin (H&E) staining & coverslipping Automated or manual in-house procedures: SOP HU.SOP.119 in conjunction with manufacturer's instructions using Sakura Prisma stainer and coverslipper HU.EXT.006 HU.EXT.007</p>	<p>A B</p> <p>A</p> <p>A B</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Formalin-fixed paraffin-embedded (FFPE) tissues</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)</p> <p><u>Special staining of histopathology examinations to assist in detection of clinical abnormalities:</u></p> <p>Amyloid Haematological cells Fungi Connective tissue Haemosiderin Reticulin Fibres Hepatitis B surface antigen-infected liver cells Spirochetes Tubercle bacilli</p> <p>Acidic Mucins Acid and neutral Mucins Nuclei and other cellular components- bleached melanin Chloroacetate enzyme activity</p> <p>Amyloid H.pylori Acid and neutral mucins</p> <p>Connective tissue fibres, elastic fibres Mycobacterium leprae Protozoans and haematological cells Gram +/- organisms</p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):</p> <p>Special staining In-house automated and manual documented procedures based on manufacturers' manuals as relevant</p> <p>Artisan Special Stainer HU.SOP 235</p> <p>Congo Red Giemsa Grocott Gomori Masson Trichrome Perls Prussian Blue Reticulin Shikata's Orcein</p> <p>Young's Technique Ziehl-Neelsen</p> <p>Manual methods using stains as appropriate:</p> <p>Alcian Blue HU.SOP.031 AB/PAS HU.SOP.032 Bleach H&E HU.SOP.034</p> <p>Chloroacetate esterase HU.SOP.035 Congo Red HU.SOP.033 Cresyl Fast Violet HU.SOP.036 Diastase Periodic Acid Schiffs (DPAS) HU.SOP.038 Elastase Van Gieson HU.SOP.040</p> <p>Fite-Faraco HU.SOP.041 Giemsa Stain HU.SOP.042</p> <p>Gram stain HU.SOP.043</p>	<p>A</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Formalin-fixed paraffin-embedded (FFPE) tissues (cont'd)</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)</p> <p><u>Special staining of histopathology examinations to assist in detection of clinical abnormalities:</u> (cont'd)</p> <p>Fungi Nuclei and other cellular components Acid Mucins</p> <p>Connective tissue and cytoplasm Melanin and argentaffin granules Connective tissue and Cytoplasm Fibrin Neutral mucins and carbohydrates Basement membranes</p> <p>Haemosiderin</p> <p>Reticulin Fibres</p> <p>Hepatitis B surface antigen-infected liver cells Metachromatic substances Calcium and osteoid in undecalcified tissue Spirochetes Tubercle bacilli</p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):</p> <p>Special staining In-house manual documented procedures based on manufacturers' manuals as relevant Manual methods using stains as appropriate:</p> <p>Grocotts Gomori HU.SOP.045 Haematoxylin and Eosin HU.SOP.119 Hale's Colloidal Iron/ Hyaluronidase digestion-alcian blue HU.SOP.047 Haematoxylin Van Gieson HU.SOP.046 Masson's Fontana for Melanin HU.SOP.050 Masson's Trichrome HU.SOP.051</p> <p>MSB HU.SOP.049 PAS HU.SOP.038</p> <p>Periodic Acid Methenamine HU.SOP.054 Iron-Perl's Prussian Blue HU.SOP.055 Reticulin (Gordon & Sweet) HU.SOP.056 Shikata Orcein HU.SOP.059</p> <p>Toluidine Blue HU.SOP.061 Von Kossa HU.SOP.063</p> <p>Young's technique HU.SOP.064 Ziehl Neelsen HU.SOP.065</p>	<p>A</p>



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	A
Formalin-fixed paraffin-embedded (FFPE) tissues (cont'd)	<u>Immunohistochemistry examination activities for detection of:</u> Squamous epithelium Leydig and Sertoli cells in testes Foetal liver cells Amyloid Epithelial Cells T Cells in Germinal centres and mantle zone B cells B cells in germinal centres Epithelial cells of the colon Trophoblasts of placenta secreting HCG Complement pathway in Kidney Complement pathway in kidney Sialylated oligosaccharide in GI & pancreaticobiliary carcinomas Luminal cells of fallopian tube Parafollicular cells of the thyroid Smooth muscle Peripheral nerve ganglion Epithelial cells of the colon Langerhans cells in skin T lymphocytes Thymocytes and T cells T cells, B cells, Dendritic cells Cytotoxic/suppressor T Cells Normal kidney Mast cells/GIST	Immunohistochemistry In-house procedures SOP HU.SOP.016 in conjunction with manufacturer's instructions using the Leica Bond III Immuno autostainer and antibodies as appropriate: 34BE12 Alpha Inhibin AFP Amyloid P AE1/AE3 BCL2 BCL6 Ber-EP4 Beta HCG C3 C4c CA19-9 CA125 Calcitonin Caldesmon Calretinin CAM5.2 CD1a CD3 CD4 CD5 CD8 CD10 CD117	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	A
Formalin-fixed paraffin-embedded (FFPE) tissues (cont'd)	<u>Immunohistochemistry examination activities for detection of:</u> (cont'd)	Immunohistochemistry In-house procedures SOP HU.SOP.016 in conjunction with manufacturer's instructions using the Leica Bond III Immuno autostainer and antibodies as appropriate:	
	Neutrophils, eosinophils, macrophages, R-S cell in Hodgkins lymphoma	CD15	
	Germinal mantle zone B Lymphocytes	CD20	
	Mature B cells, follicular dendritic cells	CD21	
	B cells	CD23	
	Activated lymphocytes and plasma cells. R-S cells in Hodgkins lymphoma	CD30	
	Endothelial cells	CD34	
	B and T Cell maturation	CD38	
	Leucocytes	CD45	
	T Cells	CD45 RO	
	Peripheral neurons, glia	CD56	
	Natural killer cells	CD57	
	Platelets	CD61	
	Macrophages	CD68	
	Mantle zone B cells, germinal B cells and plasma cells	CD79a	
	Immature B cells, Plasma cells	CD138	
	Large cell lymphoma	CD246 (Alk-1)	
	Epithelial cells of the GI tract	CDX2	
	Carcinoma of GI tract	CEA	
	Carcinoid tumour	Chromogranin A	
	Mantle cell lymphoma	Cyclin D1	
	Squamous epithelium, mesothelioma	Cytokeratin 5	
	Squamous epithelium	Cytokeratin 5/6	
	Transitional, ductal & glandular epithelium	Cytokeratin 7	



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Formalin-fixed paraffin-embedded (FFPE) tissues (cont'd)</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)</p> <p><u>Immunohistochemistry examination activities for detection of:</u> (cont'd)</p> <p>Epithelial basal layer Bowel epithelium, carcinoma CMV infected cells Smooth and striated muscle cells Epithelium and lung EBV infected cells Epithelial cells of the kidney Breast cancer and normal gland Fibrinogen/ platelets Astrocytes Red blood cells Epithelial cells of sweat glands Melanoma cells H. Pylori bacterium HPV infected cells Immunoglobulin Alpha chains Ig Delta chains Ig Gamma chains Ig Mu chains Plasma cells, lymphoid cells containing Kappa light chains Proliferating cells Plasma cells, lymphoid cells containing lambda light chains Macrophages Melanocytes Mesothelial cells, epithelium of Tonsil Glandular and squamous epithelium</p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):</p> <p>Immunohistochemistry In-house procedures SOP HU.SOP.016 in conjunction with manufacturer's instructions using the Leica Bond III Immuno autostainer and antibodies as appropriate:</p> <p>Cytokeratin 17 Cytokeratin 20 CMV Desmin</p> <p>Desmog EBV EMA ER</p> <p>Fibrinogen GFAP Glycophorin C GCDFP15 HMB45 H.pylori HPV IgA IgD IgG IgM Kappa</p> <p>Ki67 Lambda</p> <p>MAC387 Melan A Mesothelin</p> <p>MNF116</p>	<p>A</p>



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Formalin-fixed paraffin-embedded (FFPE) tissues (cont'd)	<u>Immunohistochemistry examination activities for detection of:</u> (cont'd)	Immunohistochemistry In-house procedures SOP HU.SOP.016 in conjunction with manufacturer's instructions using the Leica Bond III Immuno autostainer and antibodies as appropriate:	
	Small cell lung carcinoma	MOC31	
	Neutrophil granulocytes	Myeloperoxidase	
	Lung adenocarcinoma tissue	Napsin	
	Neuroendocrine and neuronal cells	NSE	
	Embryonic and germ cells	OCT3/4	
	Cervical epithelium	P16	
	Prostatic carcinoma, prostate glands	P504S	
	Colon adenocarcinoma	P53	
	Squamous epithelium	P63	
	Prostate glands	PAP	
	Breast Ca	PGR	
	Prostate glands	PIN4	
	Trophoblasts of placenta	PLAP	
	Polyoma Virus	Polyoma	
	Prostate glands	PSA	
	Epitelia of proximal tubules of kidney	RCC	
	Schwann cell and adipocytes	S100	
	Smooth muscle	SMA	
	Islets of Langerhans of pancreas	Synaptophysin	
	Follicular epithelial cells of thyroid	Thyroglobulin	
	Follicular epithelial cells of thyroid and type 2 pneumocytes	TTF1	
	Mesenchymal cells	Vimentin	



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Formalin-fixed paraffin-embedded (FFPE) tissues (cont'd)</p> <p>Slides produced from processes listed above</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)</p> <p><u>Immunohistochemistry examination activities for detection of:</u> (cont'd)</p> <p>Endothelial cells, Megakaryocytes, platelets and mast cells Mesenchymal cells, Wilm Tumour</p> <p>Microscopic Examination for the purposes of clinical diagnosis</p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):</p> <p>Immunohistochemistry In-house procedures SOP HU.SOP.016 in conjunction with manufacturer's instructions using the Leica Bond III Immuno autostainer and antibodies as appropriate:</p> <p>VWF (Factor VIII)</p> <p>WT1</p> <p><u>Interpretive Microscopy (qualitative analysis)</u></p> <p>Light and polarising microscopy microscopy using:</p> <p>Zeiss Microscope Olympus Microscope</p>	<p>A</p>



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<p>HUMAN BODY FLUIDS</p> <p>Sputum BAL Urine Serous fluids Biliary Brush CSF Fine Needle Aspirate (Head and Neck)</p> <p>BAL Serous fluids CSF Fine Needle Aspirate (Head and Neck)</p> <p>Fine Needle Aspirate (Head and Neck) Lung biopsy smear Liver biopsy smear Bronchial brushings</p> <p>Slides prepared in house from samples listed above</p> <p>Bronchoalveolar lavage</p>	<p><u>Diagnostic Cytopathology (Non-Gynaecological) 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>Macroscopic and microscopic examination</p> <p>Documented in-house procedures In conjunction with manufacturer's instructions for Cytopsin, Centrifuge and microscope HU.SOP.247</p> <p>Manual PAP stain using HU.SOP.246</p> <p>Manual MGG stain using HU.SOP.253</p> <p>Manual Rapid Gurr Stain using CU.SOP.046</p>	<p>B</p> <p>B</p>
	Morphological assessment and interpretation/diagnosis	A Range of Microscopes from Nikon, Olympus, Leica, Zeiss HU.SOP.162 HU.SOP.075 HU.SOP.186 HU.SOP.178	
	Quantification of white blood cells	Manual cell count on prepared slide from above	
	END		