


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>UKAS</b> MEDICAL <b>8790</b>  Accredited to ISO 15189:2012	<b>East Sussex Healthcare NHS Trust</b>	
	Issue No: 007    Issue date: 03 December 2021	
	<b>Cellular Pathology</b> Conquest Hospital The Ridge St Leonards on Sea TN37 7RD	<b>Contact: Charlotte Hendon-Dunn</b> Tel: +44 (0) 1424 755255 ex 8789 / +44(0)300 131 4497 E-Mail: c.hendon-dunn@nhs.net Website: www.esh.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
<b>Address</b> Cellular Pathology Conquest Hospital The Ridge St Leonards on sea TN37 7RD	<b>Local contact</b> See above	Histology examinations Diagnostic Cytology Frozen sections Mortuary services Body store
Cellular Pathology Eastbourne District General Hospital King's drive Eastbourne BN21 2UD	See above	Histology Cut Up Frozen Sections Mortuary services Body store



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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.</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 &amp; decalcification</u> In-house procedures: SOP: HIJ-SOP-2 HIJ-SOP-6</p> <p><u>Cryotomy</u> In-house procedures: SOP HIJ-SOP-27 in conjunction with manufacturer's instructions using: Shandon HM525NX cryostat</p> <p><u>Tissue processing</u> In-house procedures in conjunction with manufacturer's instructions for: Shandon Excelsior tissue processors, SOP HIJ-SOP-21</p>	<p>A, B</p> <p>A, B</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
		<u>Tissue Embedding</u> In-house procedures: SOP HIJ-SOP-31 in conjunction with manufacturer's instructions for Thermo Shandon Histocentres embedding centres	
		<u>Tissue Sectioning &amp; Slide Production</u> In-house procedures: SOP: HIJ-SOP-32 in conjunction with manufacturer's instructions using Leica RM2235 microtome	A
		Routine Haemotoxylin and Eosin (H&E) staining & coverslipping Automated (A only) procedures: SOP HIJ-SOP-22 In conjunction with manufacturer's instructions using Sakura Tissue Tek Prisma	A
Paraffin fixed tissues to include: Benign soft tissue tumour. Malignant soft tissue tumour. Excisional and incisional biopsies. Surgical resection specimens. Other soft tissue. Bone. Bone tumours.	Identification of nuclei, cell cytoplasm and connective tissues in cells and tissues for the purposes of clinical diagnosis using Haematoxylin & Eosin.		
Fresh tissue	As above	Manual H&E staining and coverslipping using HIJ-SOP-44	A, B
Fresh Skin, oral mucosa	Identification of antibodies to IgA, IgG, IgM, C3 and fibrinogen for the purposes of clinical diagnosis using immunofluorescence	Routine manual staining with antibodies followed by fluorescent microscopy using Olympus microscope SOP: HIJ-SOP-26	A, B



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Fixed, fresh tissue, excisional and incisional biopsies and surgical resection specimens</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u></p> <p><u>Special staining of histopathology examinations to assist in detection of clinical abnormalities:</u></p> <p>Connective tissue fibres, elastic fibres Fine elastic fibres Mast Cells, Helicobacter Gram +/- organisms Melanin and argentaffin granules Demonstration of melanin, by its removal Elastin Simple Lipids Hep B viral inclusions / Copper-associated protein Metachromatic substances, H.Pylori Collagen</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 documented procedures based on manufacturers' manuals as relevant</p> <p>Manual methods using SOP HIJ-SOP-34-63 and stains: Elastic Van Gieson</p> <p>Elastic Van Gieson HE Giemsa Stain Gram stain Masson's Fontana</p> <p>Melanin Bleach</p> <p>Millers Elastin HE Oil Red O Orcein</p> <p>Toluidine Blue</p> <p>Van Gieson</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
Fixed, fresh tissue, excisional and incisional biopsies and surgical resection specimens (cont'd)	<u>Special staining of histopathology examinations to assist in detection of clinical abnormalities:</u> (cont'd)	Special staining In-house manual documented procedures based on manufacturers' manuals as relevant Automated methods using Roche Benchmark Special Stains and stains: SOP HIJ-SOP-73 PAS	
Fixed, fresh tissue, excisional and incisional biopsies and surgical resection specimens	<u>Neutral mucins and carbohydrates</u> <u>Neutral mucins / fungi</u> <u>Haemosiderin</u> <u>Reticulin Fibres</u> <u>Amyloid</u> <u>Amyloid</u> <u>Tubercle bacilli</u> <u>Acid and neutral Mucins</u> <u>Fungi</u>	PASD Iron-Perl's Prussian Blue Reticulin Congo Red (highmans) Congo Red (Alkaline) Ziehl Neelsen AB/PAS Grocott	A
	<u>Immunohistochemistry examination activities for detection of:</u>	Immunohistochemistry In-house procedures SOP HIJ-SOP-33 in conjunction with manufacturer's instructions using the Roche Benchmark Ultra and Sakura Tissue Tek prisma and antibodies:	
	Cytokeratins Glial cell, pericytes Epithelial cells, and tumours Trophoblasts/ Choriocarcinoma Lymphocytes in mantle and Tcell area Germinal centre B cells T lymphocytes T cells, B cells, Dendritic cells Normal kidney	AE1AE3 Alk1 BerEP4 BHCG  BCL2  BCL6 CD3 CD5 CD10	



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Fixed, fresh tissue, excisional and incisional biopsies and surgical resection specimens (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>Neutrophils, eosinophils, macrophages, R-S cell in Hodgkins lymphoma Germinal mantle zone B Lymphocytes Mature B cells, follicular dendritic cells B cells Activated lymphocytes and plasma cells. R-S cells in Hodgkins lymphoma Endothelial cells Haematolymphoid malignancies Leucocytes Peripheral neurons, glia Macrophages Mantle zone B cells, germinal B cells and plasma cells GIST Immature B cells, Plasma cells Thyroid endocrine cells Vascular and visceral smooth muscle cells Mesothelial cells and mesothelioma Most epithelial tissue Carcinoma of GI tract Carcinoid tumour Squamous, ductal and other complex epithelia and their neoplasms Mantle cell lymphoma</p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant): Immunohistochemistry In-house procedures SOP HIJ-SOP-33 in conjunction with manufacturer's instructions using the Roche Benchmark Ultra and Sakura Tissue Tek prisma and antibodies as appropriate</p> <p>CD15</p> <p>CD20</p> <p>CD21</p> <p>CD23</p> <p>CD30</p> <p>CD31</p> <p>CD34</p> <p>CD43</p> <p>CD45</p> <p>CD56</p> <p>CD68 (KP1)</p> <p>CD79</p> <p>CD117</p> <p>CD138</p> <p>Calcitonin</p> <p>Caldesmon</p> <p>Calretinin</p> <p>Cam 5.2</p> <p>CEA (Mono)</p> <p>Chromogranin A</p> <p>CKH</p> <p>Cyclin D1</p>	<p>A</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Fixed, fresh tissue, excisional and incisional biopsies and surgical resection specimens (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>Squamous epithelium Transitional, ductal &amp; glandular epithelium Basal layer of prostate and oesophagus Adenocarcinomas of oesophagus, stomach, colon Bowel epithelium, carcinoma CMV infected cells Adenocarcinoma of the colon, breast carcinoma endometrioid carcinoma of the ovary Epithelial cells colon and small bowel lymphatic endothelium, ganglion cells and nerve in many normal tissue types Smooth and striated muscle cells Gastrointestinal stromal tumours (GIST) Epithelial cells of the kidney</p> <p>Breast cancer and normal gland Variety of tumours Urothelial/ Breast Carcinoma Epithelial cells of sweat glands Melanoma cells Mesothelial cells</p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant): Immunohistochemistry In-house procedures SOP HIJ-SOP-33 in conjunction with manufacturer's instructions using the Roche Benchmark Ultra and Sakura Tissue Tek prisma and antibodies as appropriate: Cytokeratin 5/6 Cytokeratin 7  Cytokeratin 14  Cytokeratin 19  Cytokeratin 20 CMV Ca125  CDX2  D240  Desmin  Dog1  EMA  ER  E Cadherin GATA3 GCDFP15 HMB45 HBME1</p>	<p style="text-align: center;">A</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Fixed, fresh tissue, excisional and incisional biopsies and surgical resection specimens (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>Hepatocytes Gonadal sex-cord stromal elements Plasma cells, lymphoid cells containing Kappa light chains Proliferating cells Plasma cells, lymphoid cells containing lambda light chains Melanocytes Glandular and squamous epithelium Small cell lung carcinoma Haematolymphoid malignancies Neutrophil granulocytes Myosin filaments Lung Adenocarcinoma Thyroid, renal and Thymic tumours Cervical epithelium Prostatic carcinoma, prostate glands Colon adenocarcinoma Squamous epithelium Prostate glands Trophoblasts of placenta Prostate glands Breast tumours Epithelia of proximal tubules of kidney Schwann cell and adipocytes Smooth muscle</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 HIJ-SOP-33 in conjunction with manufacturer's instructions using the Roche Benchmark Ultra and Sakura Tissue Tek prisma and antibodies as appropriate: Hep Par1 Inhibin  Kappa  Ki67 Lambda  Melan A MNF116  MOC31 MUM1  Myeloperoxidase Myosin NapsinA PAX8  P16 P504S  P53 P63 PAP PLAP PSA PR RCC  S100 SMA</p>	





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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Fixed, fresh tissue, excisional and incisional biopsies and surgical resection specimens (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>Islets of Langerhans of pancreas Mesenchymal cells, Wilm Tumour lymphoblastic leukaemia's Mesothelium Follicular epithelial cells of thyroid Follicular epithelial cells of thyroid and type 2 pneumocytes Mesenchymal cells</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 HIJ-SOP-33 in conjunction with manufacturer's instructions using the Roche Benchmark Ultra and Sakura Tissue Tek Prisma and antibodies as appropriate: Synaptophysin</p> <p>WT1</p> <p>TdT Thrombomodulin Thyroglobulin</p> <p>TTF1</p> <p>Vimentin</p> <p><u>Interpretive Microscopy (qualitative analysis)</u> Light microscopy microscopy using: Leica Microscope Nikon Microscope CPPJ-SOP 01-06 HIJ-SOP-1</p>	<p>A</p> <p>A, B</p>



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	<u>Cytopathological examination activities for the purposes of clinical diagnosis</u>	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	
Serous Fluids	Examination of cellular material in order to identify or exclude morphological and cytological abnormalities	Using Thinprep 2000 and cytospin and stained using Hemacolour Romanowsky and PAP stain SOP: CYJ-SOP-05 and SOP-07	A
Urine, Sputum, endoscopy samples, FNA, brushings, washings	Examination of cellular material in order to identify or exclude morphological and cytological abnormalities	Using Thinprep 2000 and cytospin , stained using a PAP stain, SOP: CYJ-SOP-05 and SOP-07	A
Slides produced from processes listed above	Microscopic Examination for the purposes of clinical diagnosis	<u>Interpretive Microscopy (qualitative analysis)</u> Light microscopy microscopy using: Leica Microscope Nikon Microscope CPPJ-SOP 01-06	A, B
END			