


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 8683</p> <p>Accredited to ISO 15189:2012</p>	<p>Oxford University Hospitals NHS Foundation Trust</p> <p>Issue No: 002 Issue date: 15 October 2020</p>	
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<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES</p> <p>Benign soft tissue tumour Malignant soft tissue tumour Other soft tissue Bone Bone tumours</p>	<p><u>Histopathology</u></p> <p>Examination to identify or exclude morphological and cytological abnormalities for the purpose of 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>Macroanalysis, dissection & decalcification</u> using: SOP0001 SOP0004 SOP0006 SOP0014 SOP0016 SOP0021 SOP0057 SOP0064 HDM0001</p> <p><u>X-Ray imaging</u> using: SOP 0006 and Faxitron 43855-d Kodak direct view CR-Reader</p> <p><u>Processing</u> using: SOP0022 and: Sakura VIP processor</p>



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HUMAN TISSUES (cont'd)	<u>Histopathology</u> (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):
Benign soft tissue tumour Malignant soft tissue tumour Other soft tissue Bone Bone tumours	Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	<u>Embedding</u> using: SOP0007 and Leica EG1150 H Embedding station <u>Sectioning & slide production</u> using: SOP0008 SOP0009 and Leica RM2135 microtomes
Benign soft tissue tumour Malignant soft tissue tumour Other soft tissue Bone Bone tumours	All tissue components	<u>Routine Haemotoxylin and Eosin (H&E) staining & coverslipping</u> Automated or manual using: SOP0011 SOP0023 SOP0025 and Bayer Tissue-Tec DRS 2000 autostainer Thermo Clearvue coverslipper
Benign soft tissue tumour Malignant soft tissue tumour Other soft tissue Bone Bone tumours	Immunohistochemistry to detect the following:	<u>Immunohistochemistry</u> Automated methods using: IHCP0001-IHCP0009 and Dako Immuno autostainer and antibodies as appropriate:
	Many tumours	anti-BAF47
	Beta-catenin cytoplasmic protein	Beta-catenin
	Chordoma cells	Brachyury



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HUMAN TISSUES (cont'd)	<u>Histopathology</u> (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):
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	Immunohistochemistry to detect the following:	<u>Immunohistochemistry</u> (cont'd)
	Smooth muscle cells	Caldesmon
	Smooth muscle cells	Calponin
	Transmembrane tyrosine kinase receptor (basal cells of skin) for GISTs	CD117 C-Kit
	Langerhans cells	CD1a 010
	T cells	CD3
	Normal early progenitor cells and immature B cells	CD10
	B cells	CD20
	Reed-Sternberg cells/anaplastic large cell lymphoma cells	CD30
	Endothelial cells	CD31
	Capillary endothelial cells	CD34
	Cells of haematopoietic origin	CD45
	Macrophages, osteoclasts	CD68
	MIC2 gene products	CD99



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HUMAN TISSUES (cont'd) Benign soft tissue tumour Malignant soft tissue tumour Other soft tissue Bone Bone tumours	<p><u>Histopathology</u> (cont'd)</p> <p>Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis</p> <p>Immunohistochemistry to detect the following:</p> <p>Apical border of epithelial cells in colon</p> <p>Neuroendocrine cells</p> <p>Glandular and transitional epithelial cells</p> <p>GI epithelium/urothelium and Merkel cells</p> <p>De-differentiated liposarcoma/Atypical lipomatous tumour</p> <p>Majority of epithelial cells</p> <p>Majority of epithelial cells</p> <p>Smooth and striated muscle</p> <p>Dentin matrixprotein 1</p> <p>DOG-1 protein for diagnosis of GISTs</p> <p>Epithelial cells</p> <p>Estrogen receptor +ve cells</p> <p>Endothelial cells and megakaryocytes</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>Immunohistochemistry</u> (cont'd)</p> <p>CEA</p> <p>Chromgranin A</p> <p>CK7</p> <p>CK20</p> <p>CDK4</p> <p>CK AE1/AE3</p> <p>CK MNF116</p> <p>Desmin DER11</p> <p>DMP-1</p> <p>DOG-1</p> <p>EMA</p> <p>ER</p> <p>Factor 8</p>



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HUMAN TISSUES (cont'd) Benign soft tissue tumour Malignant soft tissue tumour Other soft tissue Bone Bone tumours	<u>Histopathology</u> (cont'd) Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis Immunohistochemistry to detect the following: Lipoblasts Muscle actin Melanosomes Kappa light chains Lambda light chains Proliferating cells Melanocytes Membrane bound mucin Cells of skeletal muscle origin Neurons of CNS and PNS Cells of neuronal and neuroendocrine origin Tumour suppressor gene Lymphatic endothelial cells Prostatic epithelium Progesterone receptor +ve sells S100 +ve cells (diagnosis of melanoma, langerhan histiocytes, chondroblastoma and schwannoma)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant): <u>Immunohistochemistry</u> (cont'd) anti-FABP4 Muscle actin HHF35 HMB45 MAA Kappa Lambda Ki67 Melan A Mucin 4 Myogenin Neurofilament 2F11 NSE P63 Podoplanin D2-40 Prostatic specific antigen PSA Progesterone Receptor PR S100 polyclonal



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<p>Benign soft tissue tumour Malignant soft tissue tumour Other soft tissue Bone Bone tumours</p>	<p>Special stains to detect the following:</p> <p>Amyloid</p> <p>Selective glycogen staining</p> <p>Bone marrow cells</p> <p>Mineralised bone, osteoclast/osteoblast activity</p> <p>Gram positive organisms</p> <p>Fungi</p> <p>All tissue components</p> <p>Connective tissue and fibrin</p>	<p><u>Special staining</u></p> <p>Manual methods using: SSP000 SSP0004,9,10,11,13,14,15,19,22, 26,27, 33,35,37 and stains as appropriate:</p> <p>Congo Red</p> <p>Diastase Perodic Acid Schiffs (DPAS)</p> <p>Giemsa stain</p> <p>Goldner's Trichrome</p> <p>Gram stain</p> <p>Grocott's modification of Gomori's methenamine silver method</p> <p>Haematoxylin and eosin</p> <p>Masson's trichrome</p>



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<p>HUMAN TISSUES (cont'd)</p> <p>Benign soft tissue tumour Malignant soft tissue tumour Other soft tissue Bone Bone tumours</p> <p>Slides prepared in house from samples listed above</p>	<p><u>Histopathology</u> (cont'd)</p> <p>Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis</p> <p>Special stains to detect the following:</p> <p>Elastic fibres</p> <p>Calcium</p> <p>Glycogen</p> <p>Haemosiderin</p> <p>Cartilage and mast cells</p> <p>Acid/alcohol fast bacilli</p> <p>Morphological assessment and interpretation/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>Special staining</u> (cont'd)</p> <p>Miller's elastic van gieson (EVG)</p> <p>Von Kossa</p> <p>Perodic acid schiffs (PAS)</p> <p>Perl's technique for haemosiderin</p> <p>Toluidine blue</p> <p>Ziehl Neelsen</p> <p><u>Microscopy</u> Light & polarising microscopy using: SOP0005 SOP0031 SOP0037 and microscopes: Nikon Elipse 80i R Leica DM4000B</p>
END		