


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 8609</p> <p>Accredited to ISO 15189:2012</p>	<p>University College London</p> <p>Issue No: 002 Issue date: 29 June 2021</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 BODY TISSUE AND FLUIDS</p> <p>Ocular Pathology samples (eye lids, conjunctiva, cornea, lacrimal sac, lacrimal gland, orbit, intra-ocular structures, sclera / choroid, enucleations, eviscerations, exenterations)</p>	<p><u>Histopathology</u></p> <p>Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis</p>	<p>Macroscopic and Microscopic examination</p> <p>In house documented procedures in conjunction with equipment as specified below:</p> <p><u>Specimen dissection</u></p> <p>Manual methods using documented in-house procedure PREP-003</p> <p><u>Tissue Processing</u></p> <p>Documented in-house procedure PREP 004 in conjunction with manufacturers instructions using Leica ASP300S Processing Machine</p> <p><u>Tissue embedding</u></p> <p>Documented in-house procedure PREP 005 in conjunction with manufacturers instructions using Leica Histo Arcadia Embedding Centre</p> <p><u>Tissue sectioning (microtomy)</u></p> <p>Documented in-house procedure PREP 006 in conjunction with manufacturers instructions using Leica RM2235 Microtome</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Paraffin block tissues</p>	<p><u>Histopathology</u></p> <p>Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis</p> <p>Identification of basophilic and eosinophilic structures</p> <p>PAS positive substances</p> <p>Acid mucopolysaccharides</p> <p>Amyloid</p> <p>Tissue components</p> <p>Gram +ve & -ve microorganisms</p> <p>Gram-negative bacteria</p> <p>Fungi</p> <p>Fibrin</p> <p>Melanin Pigment</p> <p>Granular Dystrophy</p>	<p><u>Staining:</u> Documented in-house procedures for manual or automated staining using Leica XL Autostainer and the following stains with reference to:</p> <p>Haematoxylin and Eosin (STAIN 009)</p> <p>Alcian Blue PAS (STAIN 002)</p> <p>Documented in-house procedures for manual staining using the following stains with reference to:</p> <p>Alcian Blue (STAIN 001)</p> <p>Congo Red Alkaline (STAIN 005)</p> <p>Gomori's One Step Trichrome (STAIN 015)</p> <p>Gram (STAIN 034)</p> <p>Gram Twort (STAIN 006)</p> <p>Grocott Hexamine Silver (STAIN 008)</p> <p>Martius Scarlet Blue (STAIN 012)</p> <p>Masson Fontana (STAIN 013)</p> <p>Masson Trichrome (STAIN 014)</p>



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HUMAN BODY TISSUE AND FLUIDS (cont'd) Paraffin block tissues	<p><u>Histopathology</u></p> <p>Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis (cont)</p> <p>Melanin pigment (by absence)</p> <p>Elastic tissue fibres, Muscle, Collagen</p> <p>Tubercle bacilli (TB)</p> <p>PAS positive substances</p> <p>PAS positive substances</p> <p>PAS positive substances</p> <p>Haemosiderin and ferric iron</p> <p>Reticulin</p> <p>Calcium</p>	<p><u>Staining:</u> Documented in-house procedures for manual or automated staining using Leica XL Autostainer and the following stains with reference to:</p> <p>Melanin Bleach (STAIN 016)</p> <p>Miller's Elastic Van Gieson (STAIN 029)</p> <p>Modified Ziehl Neelson (STAIN 033)</p> <p>Periodic Acid Schiff-Papanicolaou (STAIN 020)</p> <p>Periodic Acid Schiff (STAIN 021)</p> <p>Periodic Acid Schiff with Diastase (STAIN 022)</p> <p>Perls Prussian Blue (STAIN 023)</p> <p>Reticulin (STAIN 024)</p> <p>Von Kossa (STAIN 030)</p>



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HUMAN BODY TISSUE AND FLUIDS (cont'd) Tissue sections on glass slides	<p><u>Histopathology</u></p> <p>Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis:</p> <p>Epithelial cells</p> <p>Scattered T cells in germinal centres and mantle zone B cells-follicular lymphoma</p> <p>Lymphoma</p> <p>Mesothelioma panel marker-epithelial</p> <p>T cells in mantle zone</p> <p>T and B cells-leukaemia</p> <p>Childhood ALL, follicular lymphoma</p> <p>B cells-lymphoma</p> <p>B cells- dendritic cells</p> <p>Lymphocytes in germinal centres</p> <p>Endothelial cells- malignancy</p>	<p><u>Immunocytochemistry:</u> Documented in-house procedure IMM 020 in conjunction with manufacturers instructions using antibodies and Leica BondMax and Bond III Immunostainer</p> <p>AE1/AE3 (MCK)</p> <p>BCL-2</p> <p>BCL-6</p> <p>BerEP-4</p> <p>CD3</p> <p>CD5</p> <p>CD10</p> <p>CD20</p> <p>CD21</p> <p>CD23</p> <p>CD31</p>



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HUMAN BODY TISSUE AND FLUIDS (cont'd) Tissue sections on glass slides	<p><u>Histopathology:</u> Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis:</p> <p>Vascular epithelium</p> <p>All white cells</p> <p>Neuroectodermal cells, neurones, astrocytes</p> <p>Macrophages</p> <p>B cells</p> <p>B lymphocyte differentiation</p> <p>Epithelial malignancy</p> <p>Normal and neoplastic epithelia</p> <p>Cytokeratin low MWT</p> <p>Ductal and glandular epithelium</p> <p>Epithelial subtypes</p> <p>Neuroendocrine cells</p> <p>Mantle cell lymphoma</p> <p>Smooth and striated muscle</p> <p>Epithelial cells</p> <p>Glial cells</p> <p>Melanocytes</p>	<p><u>Immunocytochemistry:</u> Documented in-house procedure IMM 020 in conjunction with manufacturers instructions using antibodies and Leica BondMax and Bond III Immunostainer</p> <p>CD34</p> <p>CD45 (LCA)</p> <p>CD56</p> <p>CD68</p> <p>CD79a</p> <p>CD138</p> <p>CEA</p> <p>CK7</p> <p>CK8/18 (CAM 5.2)</p> <p>CK19</p> <p>CK20</p> <p>CHROMOGRANIN A</p> <p>CYCLIN D1</p> <p>DESMIN</p> <p>EMA</p> <p>GFAP</p> <p>HMB45</p>



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HUMAN BODY TISSUE AND FLUIDS (cont'd) Tissue sections on glass slides	<p><u>Histopathology:</u> Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis:</p> <p>B cells</p> <p>Relation to IgG levels</p> <p>IgG expression</p> <p>Relation to IgG levels</p> <p>Light chains</p> <p>Proliferating cells</p> <p>Light chains</p> <p>Melanocytes</p> <p>Epithelial cells</p> <p>B cell lymphoma</p> <p>Peripheral nerves</p> <p>Squamous / Adeno / Small cell differentiation</p> <p>Smooth muscle</p> <p>Schwann cells, nerve processes, S100 +ve neoplasms</p> <p>Neuroendocrine cells</p>	<p><u>Immunocytochemistry:</u> Documented in-house procedure IMM 020 in conjunction with manufacturers instructions using antibodies and Leica BondMax and Bond III Immunostainer</p> <p>HLA-DR</p> <p>IgD</p> <p>IgG</p> <p>IgM</p> <p>KAPPA</p> <p>KI-67</p> <p>LAMBDA</p> <p>MEL A</p> <p>MNF116</p> <p>MUM-1</p> <p>NEURO FILAMENT</p> <p>p63</p> <p>SMA</p> <p>S100</p> <p>SYNAPTOPHISIN</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Tissue sections on glass slides</p>	<p><u>Histopathology:</u></p> <p>Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis:</p> <p>Mesenchymal cells</p> <p>Endothelial cells and megakaryocytes</p>	<p><u>Immunocytochemistry:</u></p> <p>Documented in-house procedure IMM 020 in conjunction with manufacturers instructions using antibodies and Leica BondMax and Bond III Immunostainer</p> <p>VIMENTIN</p> <p>VON WILLIBRAND FACTOR (FACTOR VIII)</p>
<p>Vitreous fluids & corneal impression drum</p>	<p><u>Cytopathology:</u></p> <p>Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis</p>	<p><u>Preparation of slides for staining:</u></p> <p>Documented in-house procedure PREP015 in conjunction with manufacturers instructions using Hettich Rotofix centrifuge</p>
<p>Vitreous fluids</p>	<p>Examination of slides to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis:</p> <p>Basic cellular components</p>	<p><u>Staining:</u></p> <p>Documented in-house procedures for manual staining using the following stains with reference to:</p> <p>H&E</p>
<p>Slides prepared in-house as above</p>	<p><u>Histopathology and Cytopathology</u></p> <p>Morphological assessment and interpretation / diagnosis</p>	<p>Microscopy and reporting using documented in-house procedure G001</p>
<p>END</p>		