


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 8369</p> <p>Accredited to ISO 15189:2012</p>	<p>Queen Mary University of London, operating the Blizard Institute Core Pathology</p> <p>Issue No: 003 Issue date: 30 September 2021</p>	
	<p>Queen Mary University of London Blizard Institute – Core Pathology Pathology and Pharmacy Building Second Floor 80 Newark Street London E1 2ES</p>	<p>Contact: Pauline Levey Tel: +44 (0) 2032460155 E-Mail: p.m.levey@qmul.ac.uk https://www.qmul.ac.uk/blizard/</p>
<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 FLUIDS/TISSUES</p> <p>Fixed and fresh excisional and incisional biopsies and surgical resection specimens</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u></p> <p>Examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Specimen Dissection</p> <p><u>SOPS</u> [195 - Cut up Procedure] [194 - Decalcification of Specimens Procedure] [193 - Specimen Dissection] [322 – Products of Conception Procedure] [335 – Dissection of Heart Ventricular Slice]</p> <p>Tissue processing and embedding using Thermo Shandon Excelsior Tissue Processors and Thermo Shandon embedding centre</p> <p><u>SOPs</u> [83 - Processing of Specimens Procedure] [213-Embedding of Specimens Procedure]</p>



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<p>HUMAN BODY FLUIDS/TISSUES (cont'd)</p> <p>Formalin Fixed Paraffin wax blocks of processed tissue.</p> <p>Fresh/frozen tissue</p> <p>FFPE slides (Formalin fixed paraffin embedded) and frozen sections</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)</p> <p>Intraoperative examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis</p> <p>Routine morphological staining for the detection of basophilic and eosinophilic structures</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Microtomy using Thermo Shandon finesse rotary microtomes</p> <p><u>SOPs</u> [209-Cutting Paraffin Sections Procedure] [315 – Cutting for Special cases]</p> <p>Using Thermo Shandon Cryostat FE</p> <p>Automated methods using Thermo Shandon Gemini</p> <p>Manual staining method</p> <p>Thermo Shandon Coverslipper</p> <p><u>SOPs</u> [215-Frozen Section Procedure] [30 – Haematoxylin and Eosin for Frozen Sections] 32 - Haematoxylin and Eosin [629 – Core Pathology Staining Manual]</p>



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HUMAN BODY FLUIDS/TISSUES (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
FFPE slides (Formalin fixed paraffin embedded)	Special stains for the detection of:	Documented in-house procedures for manual and automated special stains
	Acid and neutral mucins	<u>SOPs</u> [629 – Core Pathology Staining Manual]
	Polysaccharides and fungi	Manual method 582 – ABPAS
	Polysaccharides including glycogen and fungi	Manual meth 75 – DPAS
	Acid Mucins	Manual method 2 - Alcian Blue
	Amyloid	Manual method 12 - Congo Red
	Nissl components and Helicobacter	Manual method 13 - Cresyl Fast Violet
	Melanin, argentaffin, chromaffin and some lipofuscin	Manual method 18 – Fontana
	Haematopoietic cells	Manual method 21 – Giemsa
	Reticulin fibres	Manual method 25 - Gordon and Sweet



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HUMAN BODY FLUIDS/TISSUES (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
FFPE slides (Formalin fixed paraffin embedded) (cont'd)	Special stains for the detection of: (cont'd)	Documented in-house procedures for manual and automated special stains (cont'd)
	Gram positive and negative bacteria	Manual method 26 – Gram
	Fungi, pneumocystis	Manual method 28 – Grocott
	Basement membranes	Manual method 35 - Hexamine Silver
	Myelin, lipofuscin and nissl granules	
	Connective tissue	Manual method 39 - Masson Trichrome
	Elastic fibres and connective tissue	Manual method 43 - Millers Elastic
	Fibrin connective tissue	Manual method 44 – MSB
Frozen section	Unsaturated hydrophobic lipids and phospholipids	Manual method 48 - Oil Red O
	Haemosiderin	Manual method 55 - Perls Prussian Blue
	Connective tissue	Manual method 57 - Picro Sirius
	Nissl granules and mast cells	Manual method 66 - Toluidine Blue



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<p>HUMAN BODY FLUIDS/TISSUES (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded) (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded)</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)</p> <p>Special stains for the detection of: (cont'd)</p> <p>Nuclei and connective tissue</p> <p>HBsAg, elastic and copper associated protein</p> <p>Calcium</p> <p><i>Mycobacterium leprae</i></p> <p><i>Mycobacterium spp</i> including tuberculosis</p> <p>Immunohistochemistry to detect the following:</p> <p>Epithelial cells</p> <p>T-cells, B-cells in the mantle zone</p> <p>Follicular centre B-cells</p> <p>Epithelial cells</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Documented in-house procedures for manual and automated special stains (cont'd)</p> <p>Manual method 67 - Van Gieson</p> <p>Manual method 711 - Orcein</p> <p>Manual method 70 - Von Kossa</p> <p>Manual method 71 - Wade Fite</p> <p>Manual method 74 - Ziehl Neelsen</p> <p>Roche Ventana Benchmark</p> <p>Using the following antibodies</p> <p><u>SOPs</u> [629 – Core Pathology Staining Manual]</p> <p>AE1/3</p> <p>Bcl-2</p> <p>Bcl-6</p> <p>Ber-EP4</p>



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<p>HUMAN BODY FLUIDS/TISSUES (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded) (cont'd)</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)</p> <p>Immunohistochemistry to detect the following: (cont'd)</p> <p>Mesothelial cell lining</p> <p>T-cell marker</p> <p>T-Helper cells</p> <p>B-cell marker</p> <p>Mature B-cells and FDC</p> <p>Endothelial cells</p> <p>Endothelial marker</p> <p>Leukocyte common antigen</p> <p>N killer (NK) cells, NK like T-cells, neural cell adhesion molecule</p> <p>Macrophages</p> <p>Plasma cells</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Roche Ventana Benchmark</p> <p>Using the following antibodies (cont'd)</p> <p>Calretinin</p> <p>CD3</p> <p>CD20 (L26)</p> <p>CD21</p> <p>CD31</p> <p>CD34 (QBend/10)</p> <p>CD45</p> <p>CD56</p> <p>CD68</p> <p>CD138</p>



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<p>HUMAN BODY FLUIDS/TISSUES (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded) (cont'd)</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)</p> <p>Immunohistochemistry to detect the following: (cont'd)</p> <p>Carcinoembryonic antigen</p> <p>Neuroendocrine</p> <p>Cytomegalovirus</p> <p>Squamous and myoepithelial</p> <p>Glandular, transitional epithelial</p> <p>Gastrointestinal epithelia</p> <p>Lymphatic endothelium.</p> <p>Intermediate filament</p> <p>Epithelial membrane antigen</p> <p>Proliferation marker</p> <p>Melanocytes</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Roche Ventana Benchmark</p> <p>Using the following antibodies (cont'd)</p> <p>CEA(M)</p> <p>Chromogranin A</p> <p>Cytomegalovirus (CMV)</p> <p>Cytokeratin 5/6</p> <p>Cytokeratin 7</p> <p>Cytokeratin 20</p> <p>D2-40 (Podoplanin)</p> <p>Desmin</p> <p>EMA (Epithelial Membrane Antigen)</p> <p>Ki67</p> <p>MART1/MelanA</p>



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<p>HUMAN BODY FLUIDS/TISSUES (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded) (cont'd)</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)</p> <p>Immunohistochemistry to detect the following: (cont'd)</p> <p>40kD epithelial cell adhesion molecule</p> <p>Cervical Ca</p> <p>Squamous and basal cell carcinoma's</p> <p>Basal cell marker</p> <p>Melanoma, neuroendocrine</p> <p>Mesenchymal marker, smooth muscle cells</p> <p>Neuroendocrine marker</p> <p>Thyroid transcription factor-1</p> <p>Mesenchymal marker</p> <p>Wilms tumour gene product</p> <p>Primary lung tumour and metastatic lung tumour</p> <p>Metastatic colorectal carcinoma</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Roche Ventana Benchmark</p> <p>Using the following antibodies (cont'd)</p> <p>MOC 31</p> <p>Cintec p16</p> <p>P40</p> <p>P63</p> <p>S100</p> <p>SMA</p> <p>Synaptophysin</p> <p>TTF-1</p> <p>Vimentin</p> <p>WT-1</p> <p>Napsin A</p> <p>CDX2</p>



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Slides prepared as above	Morphological assessment and interpretation/diagnosis	Interpretive Microscopy using an assorted range of diagnostic bright-field microscopes <u>SOPs</u> [628 – General Light Microscope Operation] [405- Reporting Protocol for Consultant Pathologists]
HUMAN BODY FLUIDS	<u>Cytological examination activities for the purposes of clinical diagnosis</u>	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
Unstained Non-gynae cytology slides	<u>Morphological assessment and interpretation/diagnosis</u>	<u>SOPs</u> <u>191-Reception of Specimens Procedure</u> <u>222 – Referral Work</u>
Non Gynae cytology fluids		
END		