


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>Accredited to ISO 15189:2012</b>	<b>University Hospitals of North Midlands NHS Trust</b>	
	Issue No: 006    Issue date: 01 April 2021	
	<b>Leighton Hospital</b> Middlewich Road Crewe CW1 4QJ United Kingdom	<b>Contact: Julie Crawford</b> Tel: +44 (0)1270612345 Fax: +44 (0)1270250639 E-Mail: Julie.crawford@mcht.nhs.uk Website: www.uhnm.nhs.uk
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### Locations covered by the organisation and their relevant activities

#### Additional site activity performed away from the laboratory::

Location details	Activity	
<b>Address</b> Leighton Hospital Middlewich Road Crewe CW1 4QJ United Kingdom	<b>Local contact</b> Julie Crawford Tel: +44 (0)1270612345 Fax: +44 (0)1270250639 Email: Julie.crawford@mcht.nhs.uk	Mortuary & Body Store Services

#### Site activities performed away from the location listed above:

Location details	Activity	
Macclesfield Hospital Victoria Road Macclesfield SK10 3BL United Kingdom	<b>Local contact</b> Julie Crawford Tel: +44 (0)1270612345 Fax: +44 (0)1270250639 Email: Julie.crawford@mcht.nhs.uk	Mortuary & Body store Services



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Human Body Tissue samples (including breast, gastrointestinal, skin, urological, bronchial/lung, thyroid, parathyroid, spleen, liver, bone, skeletal, gynaecological)	<p style="text-align: center;"><u>Routine 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>Technical Cut-up SOP CUTB001 Large specimen Cut-up SOP CUTC001</p> <p><u>Tissue processing</u></p> <p>SOP.EQB015 using manual methods or Shandon Excelsior ES</p> <p><u>Tissue embedding</u></p> <p>SOP.EQU.B.032 using Sakura Tissue-Tek &amp; Leica EG1160</p> <p><u>Tissue sectioning</u></p> <p>SOPs EQU.B.013, EQU.B.037, EQU.B.044 using Leica Microtomes, Shandon Finesse E &amp; SLEE Microcut 4060</p> <p><u>Cryotomy (production of frozen sections)</u></p> <p>SOP EQU.B.014 using Leica Cryostat CM1850</p>



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Human Body Tissue samples (cont'd)	<u>Routine Staining</u> Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis	Documented in-house procedures for staining with reference to use of:
Formalin fixed paraffin embedded (FFPE) tissue on glass slides (unless stated)	Basophilic and eosinophilic structures	SOP EQU.B.010 using Leica Autostainer XL for staining with Haematoxylin and Eosin.  Documented in-house procedures for manual special stains with reference to:
	Acid Mucopolysaccharides	Alcian Blue (SS.B.001)
	Acid and Neutral Mucopolysaccharides	Alcian Blue/Periodic Acid Schiff (SS.B.002)
	Amyloid	Congo Red (SS.B.003)
	Elastic fibres and connective tissue	Elastic/Haematoxylin Van Gieson (EVG/HVG) (SS.B.004)
Frozen tissue biopsies	Basophilic and eosinophilic structures	Frozen Section Staining Rapid H&E (SS.B.005)
Frozen tissue biopsies	Lipids	Fat Stains on Frozen Sections (Oil Red O) (SS.B.006)
	Helicobacter/Microorganisms	Giemsa (SS.B.007)
	Gram +ve & -ve microorganisms	Gram (SS.B.008)
	Basophilic and eosinophilic structures	Haematoxylin & Eosin (H&E) (SS.B.010)
	Connective tissue and fibrin	Martius Yellow, Brilliant Crystal Scarlet, Soluble Blue (MSB) (SS.B.012)



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<p>Human Body Tissue samples (cont'd)</p> <p>Formalin fixed paraffin embedded (FFPE) tissue on glass slides (unless stated)</p>	<p><u>Routine Staining</u> (cont'd)</p> <p>Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis</p> <p>Melanin, Argentaffin cells and Lipofuchsin</p> <p>Connective tissue</p> <p>Neutral Mucopolysaccharides, glycogen and fungus</p> <p>Haemosiderin and ferric iron</p> <p>Reticulin fibres</p> <p>Copper-associated protein and Hepatitis B-affected cells</p> <p>Mucin</p> <p>Mast cells</p> <p>Tubercle bacilli</p> <p><u>Immunohistochemistry</u></p> <p>Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis</p> <p>Macrophages, neutrophils, A1AT accumulation</p> <p>Embryonic cell in normal tissues and germ tumours</p>	<p>Documented in-house procedures for manual special stains with reference to use of:</p> <p>Masson Fontana (SS.B.013)</p> <p>Masson's Trichrome (SS.B.014)</p> <p>Periodic Acid Schiff (PAS) &amp; Diastase PAS (D/PAS) (SS.B.016)</p> <p>Perl's Prussian Blue (SS.B.017)</p> <p>Reticulin (SS.B.019)</p> <p>Shikata's Orcein (SS.B.020)</p> <p>Southgates Mucicarmine (SS.B.026)</p> <p>Toluidine Blue (SS.B.021)</p> <p>Ziehl Neelsen (ZN) (SS.B.024)</p> <p>SOPs EQU.B.046 &amp; 052 using Roche Ventana Benchmark</p> <p>Alpha 1 Antitrypsin</p> <p>Alpha Fetoprotein</p>



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Human Body Tissue samples (cont'd)	<u>Immunohistochemistry</u> (cont'd) Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis	Documented in-house procedures with reference to use of:
Formalin fixed paraffin embedded (FFPE) tissue on glass slides (unless stated)	Epithelial tissue from glandular to stratified squamous	Cytokeratin (MNF116)
	Stratified squamous epithelium, basal cells, mesotheliomas	Cytokeratin 5/6
	Normal and neoplastic epithelia Epithelial cells Adenocarcinomas, columnar epithelial cells	Cytokeratin 7 Cytokeratin 14 Cytokeratin 20
	Striated and smooth muscle cells	Desmin
	Normal duct epithelial cells, ductal carcinoma	E-Cadherin
	Normal and neoplastic epithelium V.W factor in endothelial cells	EMA Factor VIII
	Metastasis from breast carcinoma	GCDFP15
	Breast and urothelia carcinoma	GATA3
	Mesothelial Cells Placental trophoblasts	HBME1 HCG
	Melanoma, melanocyte differentiation	HMB45
	Sex chord stromal tumours B cells and plasma cells Proliferating Cells B cell follicles B cells, T cells, monocytes, macrophages	Inhibin Kappa Ki 67 Lambda LCA



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<p>Human Body Tissue samples (cont'd)</p> <p>Sputum Urine Serous effusions CSF Breast Fine needle aspirates (FNA's) GI brushing Bronchial washings and brushings Formalin fixed paraffin wax blocks</p> <p>Seminal fluid (Post vasectomy)</p>	<p><u>Cytology (Non-Gynae)</u></p> <p>Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis</p> <p>Identification of: Cells (nuclei and cytoplasm) and micro organisms</p> <p>Cell (nuclei and cytoplasm)</p> <p><u>Andrological examination activities for the purposes of clinical diagnosis</u></p> <p>Detection of sperm</p>	<p>In-house documented manual procedures for preparation CPO.C002, CP.D002, CP.D006, CD.D008, CP.D017</p> <p>Documented in-house procedures for manual staining incorporating the following stains with reference to:</p> <p>Papanicolaou (SOP CPE001)</p> <p>Hema-Gurr (SOP CPE002)</p> <p>Documented in-house methods based on British Andrology Society Guidelines (2016)</p> <p>Manual method by centrifugation followed by phase contrast microscopy SOP CP.D015</p>
END		