


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>8136</p> <p>Accredited to ISO 15189:2022</p>	<p>Lancashire Teaching Hospitals NHS Foundation Trust</p> <p>Issue No: 008 Issue date: 10 April 2026</p>	
	<p>Lancashire and South Cumbria Pathology Service</p> <p>Cellular Pathology Department Royal Blackburn Teaching Hospital Haslingden Road Blackburn BB2 3HH United Kingdom</p>	<p>Contact: Tina Cuthbertson Tel: +44 (0) 1254 732488 E-Mail: tina.cuthbertson@elht.nhs.uk Website: www.elht.nhs.uk</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
<p>Address</p> <p>Cellular Pathology Department Royal Blackburn Teaching Hospital Haslingden Road Blackburn BB2 3HH United Kingdom</p>	<p>Local contact</p> <p>Tina Cuthbertson</p>	<p>Histopathology Cytology (Non-Gynae)</p>	A
<p>Andrology Department Urology Clinic, Area 1 Burnley General Teaching Hospital Casterton Avenue Burnley BB10 2PQ United Kingdom</p>	<p>Tina Cuthbertson</p>	<p>Andrology</p>	B



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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
HUMAN BODY TISSUE AND FLUIDS	<u>Routine Histopathology</u> Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis	Macroscopic and Microscopic examination. In house documented procedures in conjunction with equipment as specified below:	
Fixed, fresh and frozen tissue; excisional and incisional biopsies and surgical resection specimens		<u>Specimen dissection</u> Documented in-house procedure CP/P1 by manual methods	A
Formalin fixed tissues samples (as above)		<u>Tissue Processing</u> Documented in-house procedure CP-H8 in conjunction with manufacturers instructions using Leica Peloris I, II and III	A
Processed tissue samples (as above)		<u>Tissue Embedding</u> Documented in-house procedure CP/H9 by manual methods using Leica EG1150	A
Paraffin waxed tissue samples (as above)		<u>Tissue Sectioning (microtomy)</u> Documented in-house procedure CP/H10 using Leica RM2235 and RM2245 microtomes	A
Frozen tissues		<u>Tissue Sectioning (microtomy)</u> Documented in-house procedure CP/H5 using Leica CM1860UV manual cryostat	



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Fixed, fresh and frozen tissue; excisional and incisional biopsies and surgical resection specimens</p>	<p><u>Routine Staining</u></p> <p>Detection of:</p> <p>Identification of basophilic and eosinophilic structures</p>	<p>Documented in-house procedures for manual and automated staining using Leica ST5020 stainer & CV5030 coverslipper.</p> <p>Haematoxylin & Eosin (SOP CP/H11 (automated), and CP/H96 (manual method for frozen sections))</p>	A
	<p><u>Special Staining</u></p> <p>Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis</p> <p>Detection of:</p> <p>Amyloid</p> <p>Fungi</p> <p>Connective tissue</p> <p>Diastase Digestion</p> <p>Haemosiderin and ferric iron</p> <p>Reticulin fibres</p> <p>Acid Mucopolysaccharides</p> <p>Acid Mucopolysaccharides</p>	<p>Documented in-house procedures for automated staining using Roche Benchmark and with reference to:</p> <p>Congo Red (CP/H26)</p> <p>Grocott (CP/H35)</p> <p>Masson Trichrome (CP/H41)</p> <p>PAS +/- Diastase (CP/H47)</p> <p>Perls (CP/H48)</p> <p>Reticulin (CP/H51)</p> <p>Documented in-house procedures for manual staining:</p> <p>Alcian Blue (CP/H23)</p> <p>Alcian Blue PAS (CP/H24)</p>	A



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Fixed, fresh and frozen tissue; excisional and incisional biopsies and surgical resection specimens</p>	<p><u>Special Staining</u> (cont'd)</p> <p>Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis (cont'd)</p> <p>Detection of: (cont'd)</p> <p>Elastic fibres and connective tissue</p> <p>Gram +/- organisms</p> <p>Melanin pigment</p> <p>Helicobacter pylori</p> <p>Copper-associated protein and Hepatitis B-affected cells</p> <p>Mast cells</p> <p>Connective tissue, collagen, fibrin</p> <p>Tubercle bacilli</p>	<p>Documented in-house procedures for automated staining using Roche Benchmark and with reference to:</p> <p>Elastin Van Gieson (CP/H30)</p> <p>Gram stain (CP/H33)</p> <p>Masson Fontana (CP/H40)</p> <p>Modified Giemsa (CP/H70)</p> <p>Shikata (CP/H45)</p> <p>Toluidine Blue (CP/H65)</p> <p>Haematoxylin Van Gieson (CP/H38)</p> <p>Ziehl Neelsen (SOP CP/H59)</p>	<p>A</p>



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HUMAN BODY TISSUE AND FLUIDS (cont'd) Paraffin tissue section	<u>Immunocytochemistry</u> Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis	Documented in-house procedures CP/H17, CP/H18 & CP/H22 in conjunction with manufacturers instructions using Roche Ventana ULTRA immunohistochemistry system and the following antibodies:	
	High molecular weight cytokeratins	34βE12	
	Cytokeratin cocktail for CK1-8, 10, 14-16 and 19	AE1/AE3	
	Alpha-methyl-CoA racemase enzyme	AMACR	
	B-catenin protein	B-catenin	
	Diffuse lymph-proliferative disease and neoplastic cells of follicular lymphomas	Bcl-2 Oncoprotein	
	Prognostic marker in some B-cell Non-Hodgkins lymphomas.	Bcl-6 oncoprotein	
	Epithelial cell types	BerEP4	
	CA-125 protein	CA-125	
	Calcitonin polypeptide	Calcitonin	
	Calretinin protein	Calretinin	
	Cytokeratin	Cam 5.2 (CK 8 & 18)	
	T-cells	CD3	
	Mature T cells, T cell lymphomas	CD5	



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HUMAN BODY TISSUE AND FLUIDS (cont'd) Paraffin tissue section (cont'd)	<u>Immunocytochemistry (cont'd)</u> Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis (cont'd) Mature B cells, follicular dendritic cells, CALLA Granulocytes, Reed-Sternberg cells B cells B cells, some T cells Reed-Sternberg cells, plasma cells Endothelial cells Haematopoietic cells, vascular endothelium Leukocyte common antigen (LCA) Natural killer cells, neuroendocrine tissues Macrophages, monocytes, myeloid cells B cells Mast cells Differentiating B cells CDX-2 protein	Documented in-house procedures CP/H17, CP/H18 & CP/H22 in conjunction with manufacturers instructions using Roche Ventana ULTRA immunohistochemistry system and the following antibodies: CD10 CD15 CD20 CD23 CD30 CD31 CD34 CD45 CD56 CD68 CD79a CD117 (c-kit) CD138 CDX2	A



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HUMAN BODY TISSUE AND FLUIDS (cont'd) Paraffin tissue section (cont'd)	<u>Immunocytochemistry</u> (cont'd) Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis (cont'd)	Documented in-house procedures CP/H17, CP/H18 & CP/H22 in conjunction with manufacturers instructions using Roche Ventana ULTRA immunohistochemistry system and the following antibodies:	A
	Glycoprotein	CEA	
	Tissues of neuroendocrine origin	Chromogranin A	
	Cytomegalovirus	CMV	
	Cytokeratin 5	Cytokeratin 19	
	Adenocarcinomas, columnar epithelial cells	Cytokeratin 20	
	Stratified squamous epithelium, basal cells, mesotheliomas	Cytokeratin 5/6	
	Normal & neoplastic epithelia	Cytokeratin 7	
	Podoplanin	D2-40	
	Muscle specific protein	Desmin	
	DOG-1 protein	DOG-1	
	Normal duct epithelial cells, ductal carcinoma	E – cadherin	
	Normal and neoplastic epithelium	Epithelial membrane antigen	
	Oestrogen receptors	ER	
	GATA-3 protein	GATA-3	
	GCDFP-15 protein	GCDFP15	



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HUMAN BODY TISSUE AND FLUIDS (cont'd) Paraffin tissue section (cont'd)	<u>Immunocytochemistry</u> (cont'd) Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis (cont'd) Hepatocytes Melanoma, melanocyte differentiation HMBE-1 protein B cells and plasma cells Ki-67 protein B cell follicles Melanoma marker MNF116 Adenocarcinoma Myeloperoxidase Aspartyl protease 4 OCT 3/4 protein Oestrogen receptor Paired box gene 8 protein P16 protein P40 protein P40 protein / CK 5/6 cytokeratin double stain P53 protein	Documented in-house procedures CP/H17, CP/H18 & CP/H22 in conjunction with manufacturers instructions using Roche Ventana ULTRA system and the following antibodies: Hepatocyte HMB45 HMBE-1 mesothelioma Kappa KI-67 ANTIGEN Lambda Melan A MNF116 MOC-31 Myeloperoxidase Napsin OCT 3/4 Oestrogen receptor PAX-8 P16 P40 P40 / CK 5/6 P53	A



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HUMAN BODY TISSUE AND FLUIDS (cont'd) Paraffin tissue section (cont'd)	<u>Immunocytochemistry</u> (cont'd)		A
	Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis (cont'd)	Documented in-house procedures CP/H17, CP/H18 & CP/H22 in conjunction with manufacturers instructions using Roche Ventana ULTRA system and the following antibodies:	
	Prostate basal cells, proliferative cells	P63	
	Membrane associated sialoglycoprotein enzyme	Placental Alk Phosphatase	
	Prostate secretory and ductal epithelium	Prostate antigen specific	
	Renal cell carcinoma (RCC) antigen	Renal cell carcinoma	
	Schwann cells, nerve processes, S100 +ve neoplasms	S100	
	Smooth muscle cells, myoepithelial cells	Smooth muscle Actin	
	Smooth muscle protein	Smooth muscle myosin	
	Neuroendocrine cells	Synaptophysin	
	Thyroglobulin containing cells	Thyroglobulin	
	Lung and thyroid (thyroid follicular cells)	TTF-1	
	Lung and thyroid (thyroid follicular cells) / Aspartyl protease double stain	TTF-1 / Napsin	
Cells of mesenchymal origin	Vimentin		
Wilms tumour protein	Wt – 1		



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HUMAN BODY TISSUE AND FLUIDS (cont'd) Paraffin tissue section (cont'd)	<u>Immunocytochemistry</u> (cont'd) Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis (cont'd)	Documented in-house procedures CP/H17, CP/H18 & CP/H22 in conjunction with manufacturers instructions using Roche Ventana ULTRA system and the following antibodies: α -1-Fetoprotein	A
Formalin fixed paraffin embedded (FFPE) tissue on glass slides	Morphological assessment and interpretation / diagnosis	Microscopy using SOPs CP/P2 and CP/H18	
HUMAN BODY TISSUE AND FLUIDS	<u>Cytology (Non-Gynae)</u> Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis. Detection of:	In-house documented manual procedures CP/NG1 for preparation and manual staining	A
Body fluids, urine, aspirates, washings & oesophageal brushings	Cells (nuclei and cytoplasm) and micro organisms	Papanicolaou SOP CP/NG1 & CP/NG3 in conjunction with manufacturers instructions using Hologic T2000	
Body fluids, urine, brushings, aspirates, washings, fine needle aspirates, EUSFNA	Cells (nuclei and cytoplasm) and micro organisms	Papanicolaou	
Air-Dried Smears	Microorganisms	Rapid Giemsa	
Prepared tissue and fluid samples on glass slides	Morphological assessment and interpretation / diagnosis	Microscopy using SOP CP/NG7	



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HUMAN BODY FLUIDS	<u>Andrological examination activities for the purposes of clinical diagnosis</u>		
Semen	<u>Post vasectomy:</u> Detection of sperm	Based on 2016 Laboratory guidelines for post vasectomy semen analysis: Association of Biomedical Andrologists, the British Andrology Society and the British Association of Urological Surgeons) Manual method using large volume chambers/ manual microscopy and documented in-house procedure SOP CP/A8	B
Semen	<u>Fertility testing:</u> Volume pH Sperm morphology excluding TZI scoring Sperm concentration Sperm motility Sperm vitality	Based on WHO laboratory manual for the examination and processing of human semen (Sixth edition 2021) and manual method / documented in-house procedure SOP CP/A6 Volume/weight Colorimetric strips Stained slides (Papanicolau) microscopy (Bright field) Improved Neubauer counting chambers and Microscopy (Phase contrast) Microscopy (Phase contrast) Stained slide (Eosin/Nigrosin dye exclusion test) microscopy (Bright field)	B
END			