


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 9257</p> <p>Accredited to ISO 15189:2012</p>	<h3>NHS Ayrshire and Arran</h3> <p>Issue No: 002 Issue date: 13 March 2019</p>	
	<p>Cellular Pathology Area Laboratories University Hospital Crosshouse Kilmarnock KA2 0BE</p>	<p>Contact: Debbi McEwan Tel: +44 (0)1563 827453 Fax: +44 (0)1563 827425 E-Mail: debbi.mcewan@aapct.scot.nhs.uk</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 TISSUE AND FLUIDS</p> <p>Fixed, fresh and frozen tissue, excisional and incisional biopsies and surgical resection specimens Non-gynae cytology cell blocks</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u></p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):</p> <p>Supported by:</p> <p>Tissue Dissection: Manual methods using documented procedures LPP HIS084-181</p> <p>Cryotomy: Leica cryostat LPP HIS009 LMP HIS009</p> <p>Decalcification: Using Faxitron LPP HIS019 LPP HIS199</p> <p>Tissue Processing: Using the Leica Peloris LPP HIS186 Embedding: LPP HIS004 Using Leica EG1160</p> <p>Section Cutting: LPP HIS005 Using PFM, Leica, Reichert Jung and Shandon finesse microtomes</p>



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):
Fixed, fresh and frozen tissue, excisional and incisional biopsies and surgical resection specimens Non-gynae cytology cell blocks	Identification of nuclei, cell cytoplasm and connective tissues in cells and tissues for the purposes of clinical diagnosis using Haematoxylin & Eosin.	Haematoxylin and Eosin staining- Manual and automated methods- Rapid H&E stain for frozen sections: LPP HIS006 LPP HIS054 Leica Autostainer XL Leica Coverslipper
Fixed, fresh tissue, excisional and incisional biopsies and surgical resection specimens Non-gynae cytology cell blocks	Special staining of histopathology examinations to assist in detection of clinical abnormalities:	Special staining In-house manual documented procedures based on manufacturers' manuals as relevant
	Acid and Neutral Mucopolysaccharides	Alcian Blue/PAS: LPP HIS035
	Acid Mucopolysaccharides	Alcian Blue: LPP HIS 034
	Amyloid	Congo Red : LPP HIS 038 Chloroacetate esterase: LPP HIS039
	Helicobacter	Cresyl Violet acetate: LPP HIS 042
	Bile Pigment	Fouchets Van Gieson: LPP HIS046
	Bacteria	Gram Hucker Conn: LPP HIS 048 Giemsa: LPP HIS 050
	Fungi	Grocott-Gomori Methenamine Silver: LPP HIS051
	Basement Membrane	Jones Methenamine Silver: LPP HIS 057
	Haemosiderin	Perl's Prussian Blue: LPP HIS067
	Glycogen/Neutral mucins/Fungi	Periodic Acid-Schiff (+/- Diastase): LPP HIS 068



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Fixed, fresh tissue, excisional and incisional biopsies and surgical resection specimens Non-gynae cytology cell blocks (cont'd)</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)</p> <p>Special staining of histopathology examinations to assist in detection of clinical abnormalities: (cont'd)</p> <p>Reticulin Fibres</p> <p>Amyloid</p> <p>Mast Cells</p> <p>Connective tissue</p> <p>Calcium</p> <p>Spirochetes</p> <p>Acid fast bacilli</p> <p>Mycobacterium Leprae</p> <p>Elastic Fibres</p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):</p> <p>Special staining In-house manual documented procedures based on manufacturers' manuals as relevant:</p> <p>Retic (Gordon & Sweet's): LPP HIS07</p> <p>Sirius Red: LPP HIS073</p> <p>Toludine Blue: LPP HIS075</p> <p>Van Gieson: LPP HIS077</p> <p>Von Kossa: LPP HIS079</p> <p>Warthin Starry: LPP HIS080</p> <p>Ziehl Neelson: LPP HIS081</p> <p>Wade-Fite: LPP HIS202</p> <p>Miller's Elastic H&E: LPP HIS203</p>
<p>Fixed, fresh tissue, excisional and incisional biopsies and surgical resection specimens Non-gynae cytology cell blocks</p>	<p><u>Immunohistochemistry examination activities for detection of:</u></p> <p>Acidic and basic cytokeratins</p> <p>Embryonic cells in normal tumours and germ cell tumours</p> <p>Smooth muscle cells, myoepithelial cells</p>	<p>Immunohistochemistry Microscopic examination supported by in-house documented procedures based on Ultra machines: Using SOPs LPP-ICC002-017, LPP ICC020, LPP ICC028-030, LPP ICC037, LPP ICC040, LPP ICC043</p> <p>AE1/AE3</p> <p>a-1 Fetoprotein</p> <p>Actin, Smooth Muscle</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Fixed, fresh tissue, excisional and incisional biopsies and surgical resection specimens Non-gynae cytology cell blocks (cont'd)</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)</p> <p><u>Immunohistochemistry examination activities for detection of</u> (cont'd):</p> <p>Human amyloid P component</p> <p>Androgen Receptor positive cells</p> <p>B Cells, Follicular lymphomas</p> <p>B Cells, lymphoma</p> <p>Clear cell carcinoma</p> <p>CA19-9</p> <p>Ovarian epithelial malignancies, seminal vesicle malignancies, anaplastic lymphoma</p> <p>Parafollicular cells in thyroid and medullary thyroid carcinomas</p> <p>Smooth muscle cells, myoepithelial cells</p> <p>Mesotheliomas</p> <p>FITC identification of complement 2 in the skin</p> <p>Langerhan Cells</p> <p>Mature B Cells, Follicular dendritic cells, CALLA</p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):</p> <p>Immunohistochemistry Microscopic examination supported by in-house documented procedures based on Ultra machines: Using SOPs LPP-ICC002-017, LPP ICC020, LPP ICC028-030, LPP ICC037, LPP ICC040, LPP ICC043</p> <p>Amyloid P</p> <p>Androgen receptor</p> <p>Bcl-2</p> <p>Bcl-6 Protein</p> <p>Carbonic Anhydrase IX</p> <p>CA19-9</p> <p>CA-125</p> <p>Calcitonin</p> <p>Calponin</p> <p>Calretinin</p> <p>C3 (IF)</p> <p>CD1a</p> <p>CD10 (CALLA)</p>



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Fixed, fresh tissue, excisional and incisional biopsies and surgical resection specimens Non-gynae cytology cell blocks (cont'd)	<u>Immunohistochemistry examination activities for detection of</u> (cont'd):	Immunohistochemistry Microscopic examination supported by in-house documented procedures based on Ultra machines: Using SOPs LPP-ICC002-017, LPP ICC020, LPP ICC028-030, LPP ICC037, LPP ICC040, LPP ICC043
	Hepatocytes	OCH1E5
	Germ cell/ seminomas	Oct-04
	Cervical carcinoma	P16
	Lobular carcinoma of the breast	P120 Catenin
	Breast, Colon, Lung, Urothelial carcinoma	P53 (DO-7)
	Hydatidiform mole	P57
	Prostate basal cells, proliferative cells, glandular epithelium	P63
	B cells	PAX-5
	Follicular thyroid neoplasms, renal epithelial tumours, urothelial carcinomas, serous ovarian and endometroid carcinomas	PAX-8
	Angioimmunoblastic lymphoma	PD-1
	Neurones and neuroendocrine cells	PGP9.5



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	<p><u>Immunohistochemistry examination activities for detection of</u> (cont'd):</p>	<p>Immunohistochemistry Microscopic examination supported by in-house documented procedures based on Ultra machines: Using SOPs LPP-ICC002-017, LPP ICC020, LPP ICC028-030, LPP ICC037, LPP ICC040, LPP ICC043</p>
	Germ cell tumours, seminomas	Plac Alk phosphatase
	Nuclei of cells containing progesterone	Progesterone
	Prostatic glandular cells	Prostein
	Prostate secretory and ductal epithelium	PSA
	Prostate adenocarcinoma	Racemace (P504s)
	Renal cell carcinomas	Renal cell carcinoma
	Schwann cells, nerve processes, S100 positive neoplasms	S-100
	Urothelial neoplasm	S-100p
	Bladder carcinoma, muscularis propria	Smoothelin
	Mantle cell lymphoma	SOX-11
Neuroendocrine cells	Synaptophysin	
Lymphocytes, leukaemias, lymphomas	TdT	



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<p>HUMAN BODY FLUIDS</p> <p>Fine needle aspirations (various sites) Serous effusions (pleural, ascetic, pericardial) Urine Cyst Fluids Peritoneal Washings Cerebrospinal Fluid</p> <p>Air dried prepared slides of above Wet fixed preps of above</p>	<p><u>Diagnostic Cytopathology (Non-Gynaecological) examination activities for the purposes of clinical diagnosis</u></p> <p>Examination of cellular material in order to identify or exclude morphological and cytological abnormalities</p>	<p>Macroscopic and microscopic examination</p> <p>Documented in-house procedures In conjunction with manufacturer's instructions for Shandon Cytospin, Hologic T2000 and Shandon Gemini Varistain: LPP CYT001-018 LPP CYT042 LPPCYT064 LPP CYT001 PAP Stain RAL 555 Rapid Diff Quick LPP CYT022</p>



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<p>HUMAN BODY FLUIDS</p> <p>Semen (Post-vasectomy)</p> <p>Semen (fertility investigations)</p>	<p><u>Andrology examination activities for the purposes of clinical diagnosis</u></p> <p><u>Sperm presence/absence</u> <u>Sperm Concentration</u></p> <p>Sperm Motility Semen volume Enumeration of spermatozoa Morphology of spermatozoa pH agglutination</p>	<p>Documented in house manual method LPP CYT033 for examination of preparation based on WHO Manual 2010 (5th Edition)</p> <p>Documented in house manual method LPP CYT025-030 based on WHO Manual 2010 (5th Edition)</p>
END		