

Schedule of Accreditation

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United Kingdom Accreditation Service

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

 <p>Accredited to ISO 15189:2022</p>	HSL (Analytics) LLP Issue No: 007 Issue date: 23 December 2025 The Michael Letcher Department of Cellular Pathology The Princess Alexandra Hospital NHS Trust Hamstel Road Harlow Essex CM20 1QX
Testing performed at the above address only	

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY TISSUE Tissue: formalin-fixed biopsy, excision, resection and post-mortem specimens	Histopathological examination activities for the purposes of clinical diagnosis Examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified: Supported by: Specimen dissection Key SOPS LP 730 002 Cellular Pathology Specimen Reception Area Dissection LP 730 001 General Cut Up procedures LP 730 005 BMS Tissue Transfer LP 730 007 Fixation LP 730 008 Decalcification LP 730 009 Macropath digital photography LP 730 019 Xylene clearance LP 730 021 Tissue processing using Leica Peloris, Sakura VIP6 AI Key SOP Tissue Processing and maintenance of the tissue processors LP 730 016 Tissue embedding using Sakura Tissue Tek and Leica Arcadia embedding centres Key SOP Embedding LP 730 018



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HUMAN BODY TISSUE (cont'd) Formalin Fixed Paraffin wax blocks of processed tissue.	Histopathological examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified: Microtomy using Leica 2135, Leica 2235, SLEE microtomes. Key SOPs General Introduction to routine histology LP 730 024 Procedure for cutting paraffin sections LP 730 026
Fresh/frozen tissue	Intraoperative examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Epredia NX50 Cryostat Key SOPs LP 730 034 Procedure for frozen sections H&E for frozen LF740 021
FFPE slides (Formalin fixed paraffin embedded)	Demonstration of: Basophilic and eosinophilic structures Acid Mucins Acid and neutral mucins Amyloid Elastic Fibres and Connective Tissue	Macroscopic and Microscopic examination: Automated staining and coverslipping using Leica Spectre stainer and coverslipper Key SOP Automated Haematoxylin and Eosin staining and coverslipping LP 730 028 Manual staining methods: Alcian Blue LF740 001 Alcian Blue - PAS LF740 002 Congo Red LF740 005 Elastin Van Gieson LF740 008



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HUMAN BODY TISSUE (cont'd)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
FFPE slides (cont'd) (Formalin fixed paraffin embedded)	Demonstration of: (cont'd)	
	Helicobacter pylori	Giems for Helicobacter pylori LF740 012
	Reticulin fibres	Gordon and Sweets Reticulin LF740 013
	Gram positive and negative bacteria	Gram stain LF740 015
	Fungi, melanin, glycogen and Pneumocystis carinii (PCP)	Grocott LF740 018
	Routine stain for all examination of all tissue components, nuclear detail	H&E – Haematoxylin and Eosin LF740 020
	Melanin	Masson Fontana LF740 026
	Connective Tissue	Masson's Trichrome LF740 027
	Fibrin connective tissue	MSB - Martius Scarlet Blue LF740 033
	Copper associated protein	Orcein LF740 037
	Polysaccharides including glycogen, fungi and mucins	PAS(D) LF740 038
	Haemosiderin	Perl's LF740 039



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HUMAN BODY TISSUE (cont'd) FFPE slides (cont'd) (Formalin fixed paraffin embedded) FFPE slides (Formalin fixed paraffin embedded)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd) Demonstration of: (cont'd) Connective tissues, collagen Calcium Salts Mycobacterium spp including tuberculosis Immunohistochemistry to detect the following: High molecular weight cytokeratins; CK1,5,10 and 14. Pan cytokeratin marker Diagnosis of specific carcinomas Oncoprotein marker, B-cell lineage Epithelial cells Lung, endometrial and ovarian carcinomas	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified: HVG – Haematoxylin Van Gieson LF740 052 Modified Von Kossa LF740 053 Ziehl-Neelsen (ZN) LF740 056 Documented in-house methods used in accordance with Leica's operating instructions for the use of Bond Max and Bond III automated immunostainers. Key SOPs General introduction to Immunocytochemistry and use of equipment LP 750 001 Incorporating the following antibodies: 34BE12 AE1/AE3 AFP BCL2 BerEp4 CA125



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HUMAN BODY TISSUE (cont'd) FFPE slides (cont'd) (Formalin fixed paraffin embedded)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd) Immunohistochemistry (cont'd) Mesothelial cells T cell marker T cells, B cells in the mantle zone Burkitt's Lymphoma, Lymphoma panel Hodgkin's Lymphoma B-cell marker Follicular dendritic cells Lymphoma panel Reed-Sternberg cells Endothelial Marker Leucocyte common antigen Neural cell adhesion molecule Macrophages B-cell marker Mast cells and GIST Plasma cells Intestinal epithelial cells Carcinoembryonic antigen Neuroendocrine Basal cell subtypes in prostate	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified: Calretinin CD3 CD5 CD10 CD15 CD20 (L26) CD21 CD23 CD30 CD34 CD45 (LCA) CD56 CD68 CD79a CD117 (c-kit) CD138 CDX2 CEA Chromogranin A CK5



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HUMAN BODY TISSUE (cont'd) FFPE slides (cont'd) (Formalin fixed paraffin embedded)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd) Immunohistochemistry (cont'd) Squamous and epithelial cells Glandular, transitional epithelial cells Basal epithelial cells Epithelial cells Gastrointestinal epithelial cells Mantle cell lymphoma Intermediate filaments Cell adhesion molecule Epithelial membrane antigen Oestrogen receptors Lymphatic endothelium Bladder and breast cancer Trophoblasts Human epithelial receptors in breast cancer Melanosomes Immunoglobulin kappa light chains Immunoglobulin lambda light chains	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified: Cytokeratin 5/6 Cytokeratin 7 Cytokeratin 14 Cytokeratin 19 Cytokeratin 20 Cyclin D1 Desmin E-Cadherin EMA (Epithelial Membrane Antigen) ER (Oestrogen Receptor) Factor 8 (Von Willebrand Factor) GATA-3 Human Chorionic Gonadotrophin HER2 – Human Epithelial Receptor 2 HMB45 Kappa light chains Lambda light chains



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HUMAN BODY TISSUE (cont'd) FFPE slides (cont'd) (Formalin fixed paraffin embedded)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd) Immunohistochemistry (cont'd) Melanocytes Cell proliferation marker Broad range cytokeratins Differentiation between adenocarcinoma and reactive mesothelial cells Myoepithelial cells Identification of tumours of lung origin Identification of renal cell carcinoma, thyroid carcinoma and gynae origin P16 expression in Cervical Intraepithelial Neoplasia and cervical SCC. H&N and HPV infection Tumour suppressor gene Basal cell marker Prostatic Acid Phosphatase Placental Alkaline Phosphatase Progesterone receptors Prostate specific antigen Melanoma, neuroendocrine Myoepithelial and smooth muscle	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified: Melan A MIB-1 MNF116 MOC-31 Myosin Napsin PAX-8 P16 P53 P63 Prostatic Acid Phosphatase Placental Alkaline Phosphatase PR (Progesterone Receptor) PSA (Prostate Specific Antigen) S100 SMA (Smooth Muscle Actin)



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HUMAN BODY TISSUE (cont'd) FFPE slides (cont'd) (Formalin fixed paraffin embedded) Slides prepared in house as above	Histopathological examination activities for the purposes of clinical diagnosis (cont'd) Immunohistochemistry (cont'd) Neuroendocrine Thyroid transcription factor-1 Mesenchymal marker Wilms tumour gene product Morphological assessment and interpretation/diagnosis	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified: Synaptophysin TTF1 (Thyroid transcription factor 1) Vimentin WT1 (Wilm's tumour) Using various Olympus and Nikon microscopes Key SOP General office procedures DOC7196



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HUMAN BODY TISSUE/CELLS Fluids, brushings, imprints, fine-needle aspirations from a diverse range of body sites including CSF, ascitic fluid, pleural fluid, synovial fluid, sputum, Breast FNA, FNA from other sites, Serous Fluid / Cyst Fluid, Bronchial washings and brushings, urine, skin scrapes	Cytopathological (Non-Gynae) examination activities for the purposes of clinical diagnosis Examination of cellular material in order to identify or exclude morphological and cytological abnormalities Basophilic and eosinophilic structures Differentiation of cell types and cytological abnormalities Assessment of birefringent crystals of urate and pyruvate Morphological assessment and interpretation/diagnosis	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified: Diagnostic cytology (non-gynae) preparation, screening and reporting using T2000 processor, Hologic Genesis 2022, Leica Autostainer XL and CV 5030 stainer/coverslipper. Key SOPs Operating procedures for the Thinprep 2000 system and Hologic Genesis 2022 LP 710 017, LP 710 075 Preparation of non-gynae specimens on the T2000 processor LP-710-071 Staining and Coverslapping of Cytology Specimens LP 710 011 Haematoxylin and Eosin LP 710 011 Automated PAP stain LP 710 011 Manual May-Grunwald Giemsa stain LP 710 011 Using BX51 Dual view microscope Key SOP Preparation of synovial fluids LP 710 028 Using various Olympus and Nikon microscopes Key SOP General office procedures DOC7196
Synovial fluid		
Slides prepared in house as above		

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