


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL</p> <p>8705</p> <p>Accredited to ISO 15189:2022</p>	<p align="center">Sherwood Forest Hospitals NHS Foundation Trust</p> <p align="center">Issue No: 008 Issue date: 12 February 2025</p>	
	<p>Cellular Pathology King's Mill Hospital Mansfield Road Sutton in Ashfield Nottinghamshire NG17 4JL</p>	<p>Contact: Jacqueline Varley Tel: +44 (0) 1623 622515 ext 2537 Fax: +44 (0) 1623 672304 E-Mail: jacqueline.varley2@nhs.net Website: www.sfh-tr.nhs.uk</p>
<p align="center">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 TISSUES AND BIOLOGICAL FLUIDS</p> <p>Tissue samples</p> <p>Tissue samples</p> <p>Formalin Fixed Paraffin Embedded Tissue (FFPE)</p> <p>Fresh human tissue for inter-operative diagnosis</p> <p>Formalin Fixed Paraffin Embedded Tissue (FFPE) on glass slides</p> <p>Frozen section</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u></p> <p><u>Examination activities in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis</u></p> <p>Routine morphological staining For the detection of:</p> <p>tissue architecture and nuclear detail (Identification of basophilic and eosinophilic structures)</p> <p>Routine morphological staining For the detection of:</p> <p>tissue architecture and nuclear detail (Identification 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>Specimen dissection: Cut –up procedures Using SOPs: SFHKCP-LP-DIS001-DIS012</p> <p>Tissue processing: (3X) Tissue Processor using SOP SFHKCP-LP-HIS041 and Revos Tissue Processor using SOP: SFHKCP-LP-HIS047</p> <p>Embedding Thermo Histostar Embedding Centres using SOP: SFHKCP-LP-HIS008</p> <p>Microtomy : Leica RM2235 Microtomes Using SOP: SFHKCP-LP-HIS012</p> <p>Cryotomy : Leica CM1860 Cryostat SOP: SFHKCP-LP-HIS003</p> <p>Haematoxylin and Eosin staining Sakura Prisma Staining machine and film coverslipper SOP: SFHKCP-LP-HIS010</p> <p>Haematoxylin and Eosin Manual staining SOP: SFHKCP-LP-HIS004</p>



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HUMAN TISSUES AND BIOLOGICAL FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u>	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
FFPE sections on glass slides	Special stains for the detection of:	Documented in-house procedures for manual special stains using SOP: SFHKCP-LP-SPS001-018
	Acid and neutral mucins	Alcian Blue PAS
	Acid and neutral mucins	Alcian Blue D PAS
	Amyloid	Congo Red
	Helicobacter/Microorganisms	Giemsa
	Gram positive and gram negative bacteria	Gram
	Fungus	Grocott MST
	Connective tissue	HVG
	Collagen	Pico-sirius Red/ Masson Trichrome
	Elastic fibres	Elastic Van Gieson
	Glycogen, mucins	PAS
	Mucin	PAS Diastase
	Iron	Perls Prussian Blue
	Reticulin	Reticulin
	Hepatitis B surface antigen/Copper associated protein	Shikata's Orcein
	Mast Cells	Toluidine Blue
	Acid fast bacilli	Ziehl Neelsen



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HUMAN TISSUES AND BIOLOGICAL FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u>	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
Formalin Fixed Paraffin Embedded Tissue (FFPE) sections on glass slides	Immunohistochemistry to detect the following:	Immunohistochemistry using the Dako Omnis Immunostainer with Dako Omnis Flex Kit and SOPs: SFHKCP-LP-ICC001-002 and SFHKCP-LP-ICC009
	Epithelial cell types	AE1/AE3
	Epithelial cell types	Ber EP4
	Gastrointestinal and pancreatic cancers	CA19.9
	Epithelial cell types	CA125
	Reacts with human calretinin and intracellular calcium binding protein. Marker for mesotheliomas	Calretinin
	Cytokeratin	CAM 5.2
	Classification of B-cell leukaemias/lymphomas and classification of carcinomas	CD10
	Endothelial cells	CD31
	Endothelial cells	CD34
	Haematopoietic cells (except erythrocytes and platelets)	CD45
	Natural killer cells, neuroendocrine tissues	CD56
	Macrophages, monocytes, myeloid cells	CD68
	Intestinal epithelial cells, colorectal + other adenocarcinomas	CDX2
	Adenocarcinomas	CEA
	Tissues of neuroendocrine origin	Chromogranin A



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HUMAN TISSUES AND BIOLOGICAL FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u>	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
Formalin Fixed Paraffin Embedded Tissue (FFPE) sections on glass slides	Immunohistochemistry to detect the following (cont'd):	Immunohistochemistry using the Dako Omnis Immunostainer with Dako Omnis Flex Kit and SOPs: SFHKCP-LP-ICC001-002 and SFHKCP-LP-ICC009
	Simple and non-keratinizing epithelia, including ductal and glandular	CK19
	Stratified squamous epithelium, basal cells, mesotheliomas	Cytokeratin 5/6
	Normal and neoplastic epithelial cells with restricted expression compared to CK20	Cytokeratin 7
	Epithelial basal cells and SCC	Cytokeratin 14
	Normal and neoplastic epithelial cells with restricted expression compare to CK7	Cytokeratin 20
	Podoplanin expressed in the epithelium of lymphatic vessels	D240
	Muscle cells	Desmin
	Differential diagnosis between lobular (-) and ductal (+) carcinoma of the breast.	ECadherin
	Normal and neoplastic epithelium	EMA
	Cell proliferation and tumour growth.	FAC13A
	Clot formation in cell proliferation and tumour growth	FACXIIIA
	Aid to identification of breast and urothelial carcinomas	GATA3
	Thyroid carcinomas	HBME



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HUMAN TISSUES AND BIOLOGICAL FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u>	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
Formalin Fixed Paraffin Embedded Tissue (FFPE) sections on glass slides	Immunohistochemistry to detect the following (cont'd):	Immunochemistry using the Dako Omnis Immunostainer with Dako Omnis Flex Kit and SOPs: SFHKCP-LP-ICC001-002 and SFHKCP-LP-ICC009
	Melanoma, melanocyte differentiation	HMB45
	Proliferating Cells	Ki-67
	Melanoma marker	Melan A
	Colon/endometrial tumours.	MMR panel (MLH1, MSH2,MSH6, PMS2)
	Lung adenocarcinoma vs SCC lung.	Napsin A
	P16 protein associated with wide range of cancers and pre-cursor lesions	P16
	SCC lung Vs adenocarcinoma lung.	P40
	P53 protein and accumulation in human neoplasia	P53
	Prostate basal cells, proliferative cells	P63
	Renal cell carcinoma and ovarian non-mucinous carcinoma.	PAX8
	CK HMW in basal Cells and AMACR in cells of premalignant prostatic intraepithelial neoplasia	PIN 4
	Normal and neoplastic prostatic tissue	PSA
	Normal and neoplastic prostatic tissue (and other tissues).	PSAP



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HUMAN TISSUES AND BIOLOGICAL FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u>	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
Formalin Fixed Paraffin Embedded Tissue (FFPE) sections on glass slides	Immunohistochemistry to detect the following (cont'd):	Immunohistochemistry using the Dako Omnis Immunostainer with Dako Omnis Flex Kit and SOPs: SFHKCP-LP-ICC001-002 and SFHKCP-LP-ICC009
	Normal and neoplastic neural tissues and melanoma.	S100
	Smooth muscle cells, myoepithelial cells	SMA
	Smooth Muscle Myosin, myoepithelial cells in breast tissue	SMM
	Neuroendocrine cells	Synaptophysin
	TTF-1 found in lung and thyroid (thyroid follicular cells)	TTF-1
	Wilm's tumour, malignant mesothelioma and serious ovarian adenocarcinoma	WT1
Formalin Fixed Paraffin Embedded Tissue (FFPE) sections on glass slides		Interpretive/diagnostic microscopy using Olympus/Nikon Eclipse Microscopes and reporting SOPs: SFHKCP-LP-REP001-005



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<p>HUMAN BIOLOGICAL FLUIDS</p> <p>Fine needle aspirates –Breast, sputum, urine CSF, oesophageal washings and brushings, Conventional Bronchial Brushings, Serous fluids, Bronchial washings and Bronchial Alveolar lavage samples</p> <p>Serous body fluids CSF specimens FNA specimens Cyst fluid specimens Bronchiolar Lavage specimens Brushings from bronchus, oesophagus, bile duct Sputum samples</p> <p>Endobronchial ultrasound lymph node FNA</p> <p>FNA specimens including Breast Cyst fluid specimens</p>	<p><u>Cytopathology (Non-Gynae) 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>Demonstration of: Cells (nuclei and cytoplasm) and micro organisms</p> <p>Demonstration of: Cells (nuclei and cytoplasm) and micro organisms</p> <p>Demonstration of: Cells (nuclei and cytoplasm) and micro organisms</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Diagnostic cytology (non-gynae) in-house documented manual procedures for preparation Screening and Reporting SOPs Centrifuge prep Direct prep SOPs SFHKCP-LP-CYT317; 319-325 and 328</p> <p>Interpretive/diagnostic microscopy: Olympus microscopes SOP SFHKCP-LP-HIS050 SOP Frozen SFHKCP-LP-REP001-005</p> <p>Wet fixed slides stained with PAP stain (manual) and dry slides with Giemsa (manual) dependent on sample type as detailed in SOP: SFHKCP-LP-CYT328</p> <p>Wet fixed slides stained with PAP stain (manual) and dry slides with Giemsa (manual) SOP: SFHKCP-LP-CYT328</p> <p>Wet fixed slides stained with PAP stain (manual) and dry slides with Giemsa (manual) SOP: SFHKCP-LP-CYT326</p>



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HUMAN BIOLOGICAL FLUIDS Serous body fluids, CSF specimens, breast FNAs, cyst fluid specimens, bronchiolar lavage specimens, bronchial brushings, oesophageal washings & brushings, bile duct brushings, sputum samples, endobronchial ultrasound lymph node FNA.	<u>Cytopathology (Non-Gynae) examination activities for the purposes of clinical diagnosis</u> Examination of cell nuclei and cytoplasm to identify or exclude morphological and cytological abnormalities	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified: Myreva Staining machine using commercial PAP and Giemsa stains SOP: SFHKCP-LP-CYT334
END		