


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 Accredited to ISO 15189:2012	University Hospitals Sussex NHS Foundation Trust	
	Issue No: 008	Issue date: 30 April 2025
	Department of Cellular Pathology The Royal Sussex County Hospital Adj Thomas Kemp Tower Block Eastern Road Brighton BN2 5BE	Contact: Liza Faustino Tel: +44 (0) 1273 667042 / 664591 E-Mail: liza.faustino@nhs.net Website: www.frontierpathology.nhs.uk
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
The Royal Sussex County Hospital Kemp Tower Block Eastern Road Brighton BN2 5BE	Local contact Liz Donaldson (as above)	Routine Histology Frozen section service Immunocytochemistry Non-Gynae cytology
The Princess Royal Hospital Lewes Road Haywards Heath RH16 4EX	Local contact Liz Donaldson (as above)	Rapid frozen section service

Supporting activities performed at the location listed below:

Location details	Activity	Location code
The Princess Royal Hospital Lewes Road Haywards Heath RH16 4EX	Record archive	PRH



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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 TISSUE AND FLUIDS	<u>Histopathological examination of tissues for the purpose of clinical diagnosis</u>	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	
Fresh and frozen tissue samples	Intra-operative identification and exclusion of morphological and cytological abnormalities for clinical diagnoses.	Frozen sections using: Leica Cryostat LPA-CPT-URGENTFS Manual H&E staining using: LPA-CPS-H&EFROZEN	RSCH PRH
Fixed, fresh and frozen tissue samples: excisional and incisional biopsies and surgical resection		Macroanalysis and Specimen dissection Decalcification using: LPA-CPT-DECAL Fixation using: LPA-CPT-FIXATION	RSCH
Fixed tissue samples		Tissue processing using Tissue-Tek VIP6 AI Processor LPA-CPT-VIP Followed by embedding using: Leica Histocore embedding centres LPA-CPT-EMBEDDING	RSCH
FFPE tissue samples and cell blocks		Microtomy and slide production using: Leica Finesse RM2245 Rotary microtome., Leica Histocore Biocut microtomes: LPA-CPT-MICROTOMY	RSCH
FFPE tissue samples and cell blocks	Identification of basophilic and eosinophilic structures	Automated Routine staining using Sakura Prisma LPA-CPT-COVSLIPOP LPA-CPT-HEPRO LPA-CPT-SAKURAOP LPA-CPT-ABDPASSAK LPA-CPT-CGSAK	RSCH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Special Staining of Histopathology examinations to assist in detection of clinical diagnosis</u>	Following in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	
FFPE sections	Acid mucins Neutral mucins Glycogen	Manual staining techniques and microscopy: Alcian Blue Periodic Acid Schiff (AB PAS) +/- Diastase LPA-CPS-DABPASMAN	RSCH
	Neutral Mucin	Diastase Pas (LPA-CPS-DABPASMAN)	RSCH
	Elastin Fibres	Elastic Van Gieson (LPA-CPS-MVG)	RSCH
	Melanin Pigment	Masson Fontana (LPA-CPS-MASSFON)	RSCH
	Haematological Cells in Bone Marrow and Mast Cells	Giemsa (LPA-CPS-GIEMSA)	RSCH
	Helicobacter Pylori in Gastric Tissue	Giemsa (Modified)[HP] (LPA-CPS-GG)	RSCH
	Gram Positive and Negative Organisms	Gram Stain (LPA-CPS-GRAM)	RSCH
	Fungi	Grocott (LPA-CPS-GROCOTT)	RSCH
	Routine Tissue Stain	Haematoxylin & Eosin (LPA-CPS-H&EMAN)	RSCH
	Collagen and Other Tissue Components	Haematoxylin Van Gieson (LPA-CPS-HVG)	RSCH
	Basement Membranes in Renal Biopsies	Methenamine Silver (LPA-CPS-SILVER)	RSCH
	Fibrin and Connective Tissue	Martius Scarlet Blue (LPA-CPS-MSB)	RSCH
	Copper-Associated Protein Hepatitis HBsAg	Shikata's Orcein (LPA-CPS-SHIKATA)	RSCH
	Neutral Mucin and Glycogen	Pas (LPA-CPS-DABPAS)	RSCH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Special Staining of Histopathology examinations to assist in detection of clinical diagnosis (cont'd)</u>	Following in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	
FFPE sections	Haemosiderin	Perls' Prussian Blue (LPA-CPS-PERLS)	RSCH
	Reticulin Fibres	Reticulin (LPA-CPS-RETIC) Reticulin Untoned (LPA-CPS-RETIC)	RSCH
	Calcium Deposits	Von Kossa (LPA-CPS-VK)	RSCH
	Acid Fast Bacilli	Ziehl Neelsen (LPA-CPS-AFB)	RSCH
FFPE sections	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of clinical diagnosis</u>	Automated Immunohistochemical staining using documented in-house methods for Dako Omnis and Ventana Benchmark Ultra and manufacturer instructions SOP LPA-CPI-BENMARK LPA-CPI-OMNIS	
	Epithelial marker	AE1/AE3	RSCH
	Anaplastic lymphoma Kinase	ALK-1	RSCH
	ALK translocation	ALK (clone DSF3)	RSCH
	Hepatocytes of foetal liver and hepatomas	Alpha fetoprotein	RSCH
	Prostate adenocarcinoma	AMACR	RSCH
	AA - amyloidosis	Amyloid A	RSCH
	Prostate adenocarcinoma, breast	Androgen receptor	RSCH
	B cells in mantle zone and interfollicular T cells.	BCL-2	RSCH
	Epithelial marker	BerEP4	RSCH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of clinical diagnosis (cont'd)</u>	Automated Immunohistochemical staining using documented in-house methods for Dako Omnis and Ventana Benchmark Ultra and manufacturer instructions	
	Associated with E-Cadherin. Fibromatous lesions of the breast and abdomen.	Beta-Catenin	RSCH
	BK virus nephritis	BK virus	RSCH
	Complement	C1q	RSCH
	Complement	C3C	RSCH
	Luminal cells fallopian tube	Ca125	RSCH
	Complement in renal transplant	C4d	RSCH
	High weight glycoprotein. Luminal cells of fallopian tube	CA125	RSCH
	Parafollicular C-cells in thyroid	Calcitonin	RSCH
	Smooth muscle, smooth muscle tumours.	Caldesmon	RSCH
	Mesothelial cell lining	Calretinin	RSCH
	Low molecular weight cytokeratin 7 and 8	CAM5.2	RSCH
	Dendritic cells, Langerhans cells, Thymocytes	CD1a	RSCH
	T cell marker	CD3	RSCH
	T-Helper cell, regulatory T-cells	CD4	RSCH
	T-Cell marker	CD5	RSCH
	Immature B cells and T cells	CD10	RSCH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of clinical diagnosis (cont'd)</u>	Automated Immunohistochemical staining using documented in-house methods for Dako Omnis and Ventana Benchmark Ultra and manufacturer instructions	
	Monocytic neoplastic cells	CD14	RSCH
	Reed-Sternberg Cells, Granulocytes	CD15 (Leu M1)	RSCH
	B cell marker	CD20	RSCH
	Mature B cells	CD21	RSCH
	FDC and EBV transformed blasts	CD23	RSCH
	Reed Sternberg cells and plasma cells.	CD30 (BerH2)	RSCH
	Endothelial cells.	CD31	RSCH
	Endothelial marker	CD34	RSCH
	T cell and myeloid cells	CD43	RSCH
	Neural cell adhesion molecule.	CD56	RSCH
	NK cells	CD57	RSCH
	Megakaryocytes	CD61	RSCH
	Cells of monocyte / macrophage lineage	CD68	RSCH
	B cell marker	CD79	RSCH
	Ewing's sarcoma	CD99 (MIC2)	RSCH
	GIST and mast cells	CD117 (c-kit)	RSCH
	Plasma cell marker	CD138	RSCH
	Carcinoembryonic antigen (mono)	CEA	RSCH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of clinical diagnosis (cont'd)</u>	Automated Immunohistochemical staining using documented in-house methods for Dako Omnis and Ventana Benchmark Ultra and manufacturer instructions	
	Endocrine tumours/Neuroendocrine cells.	Chromogranin A	RSCH
	Squamous and myoepithelial.	CK5/6	RSCH
	Ductal, glandular, and transitional epithelium.	CK7	RSCH
	Squamous, basal epithelia	CK14	RSCH
	Epithelial cells	CK18	RSCH
	Reacts with wide range of normal and neoplastic epithelia.	CK19	RSCH
			RSCH
	Mantle cell lymphoma	Cyclin D1	
	T cell lymphoma	CXCL-13	RSCH
	Gastrointestinal epithelium.	CK20	RSCH
	Cytomegalovirus	CMV	RSCH
	Normal smooth, skeletal, and cardiac muscle	Desmin	RSCH
	Lymphatic endothelium	D2-40	RSCH
	Hairy cell leukaemia	DBA44	RSCH
	GISTs	DOG-1	RSCH
	Normal and neoplastic epithelium	EMA	RSCH
	Breast epithelial cells and some carcinomas. Used as prognostic indicator, hormone receptor status.	Oestrogen Receptor	RSCH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of clinical diagnosis (cont'd)</u>	Automated Immunohistochemical staining using documented in-house methods for Dako Omnis and Ventana Benchmark Ultra and manufacturer instructions	
	Fibro-histiocytic tumour	Factor XIIIa	RSCH
	Urothelial carcinomas	GATA-3	RSCH
	Astrocytoma and ependymomas	GFAP	RSCH
	Erythroid neoplasms	Glycophorin C	RSCH
	Gross Cystic Disease Fluid Protein	GCDFP	RSCH
	Mesothelial cells	HBME-1	RSCH
	Trophoblasts	Human Chorionic Gonadotropin (hCG)	RSCH
	Benign and malignant liver derived tissues	HEP-PAR1 (Hepatocyte)	RSCH
	Kaposi's sarcoma	HHV8	RSCH
	Immature melanosomes	HMB45	RSCH
	H. pylori in gastric cancer	Helicobacter pylori	RSCH
	Epidermal growth factor in breast cancer and in gastric biopsies	Her2 (clone 4B5)	RSCH
	T cell lymphoma	ICOS	RSCH
	IgGg 4 disease	IgG4	RSCH
	B cell neoplasia and renal glomerular nephropathy	IgA	RSCH
	Lymphoma classification	IgD	RSCH
	B cell neoplasia and renal glomerular nephropathy	IgG	RSCH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of clinical diagnosis (cont'd)</u>	Automated Immunohistochemical staining using documented in-house methods for Dako Omnis and Ventana Benchmark Ultra and manufacturer instructions	
	B cell neoplasia and renal glomerular nephropathy	IgM	RSCH
	Leydig, sertoli cells	Inhibin alpha	RSCH
	Immunoglobulin light chains	Kappa	RSCH
	Immunoglobulin light chains	Lambda	RSCH
	Myeloid cells	Lysozyme	RSCH
	Cells of lymphoid or myeloid origin	Leucocyte Common Antigen (LCA) (CD45)	RSCH
	Pan cytokeratin.	MNF 116	RSCH
	Proliferation marker	MIB-1	RSCH
	B cells	MUM-1	RSCH
	Monocytes	Myeloperoxidase	RSCH
	Colon adenocarcinoma	MLH-1	RSCH
	Colon adenocarcinoma	MSH-2	RSCH
	Colon adenocarcinoma	MSH-6	RSCH
	Colon adenocarcinoma	PMS 2	RSCH
	Expressed in lung and kidney tissue. +ve adenocarcinoma of lung.	Napsin A	RSCH
	Cells of neural and neuroendocrine lineage	Neuron Specific Enolase (NSE)	RSCH
	Embryonic stem cells and germ cells	OCT3/4	RSCH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of clinical diagnosis (cont'd)</u>	Automated Immunohistochemical staining using documented in-house methods for Dako Omnis and Ventana Benchmark Ultra and manufacturer instructions	
	mRNA/P16 HPV	P16	RSCH
	P53 suppressor gene product.	p53	RSCH
	Nuclei of myoepithelial	P63	RSCH
	Prostate specific antigen	Prostate specific antigen (PSA)	RSCH
	Prostatic tissue	Prostatic Acid Phosphatase (PAP)	RSCH
	B cells	PAX-5	RSCH
	Thyroid gland and kidney.	PAX-8	RSCH
	Germ cell tumours	Placental Alkaline Phosphatase (PLAP)	RSCH
	T cell lymphoma	PD-1	RSCH
	PD-L1 in tumour cells and immune cell infiltrates to predict response to anti-PD1 and PD-L1 directed therapies	PD-L1 (clone SP263)	RSCH
	Breast, ovarian, endometrial epithelia, and myometrial nuclei. Used in conjunction with ER.	Progesterone Receptor	RSCH
	Lung adenocarcinomas ROS1 translocation	ROS-1	RSCH
	Neuroendocrine cells	Synaptophysin	RSCH
	Early B cell, thymocytes marker	TdT	RSCH
	Thyroglobulin. Precursor for T4 and T3 thyroid hormones.	Thyroglobulin	RSCH
	Thyroid Transcription Factor -1 (Lung and Thyroid)	TTF-1	RSCH



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of clinical diagnosis (cont'd)</u>	Automated Immunohistochemical staining using documented in-house methods for Dako Omnis and Ventana Benchmark Ultra and manufacturer instructions	
	Variety of mesenchymal cells	Vimentin	RSCH
	Wilms' tumour protein	WT1	RSCH
	Renal Cell Carcinoma	Renal Cell Carcinoma (RCC)	RSCH
	Melanoma and neuroendocrine	S100	RSCH
	Myofibroblasts, myoepithelial cells. Does not stain cardiac or skeletal muscle.	Smooth Muscle Actin (SMA)	RSCH
	Smooth muscle cells	Smooth Muscle Myosin (SMM)	RSCH
	Melanocytes and schwannian tumours	SOX 10	RSCH
	Spirochete infected cells	Spirochetes	RSCH
Stained slides prepared in house from samples listed above	Morphological assessment and interpretation / diagnosis and reporting	Microscopy (qualitative analysis) using: Leica/Nikon microscopes Histology Reporting and Results Entry CPA-CPR-BCSPINTRO CPA-CPR-TRAININDEPREP CPA-CPR-TrainRep LPA-CPT-MICROREPORTI LPA-CPT-SUPPREPORT LPA-CYP-CXBX/EXREPOR CIA-CPT-RepRes	RSCH



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HUMAN BODY TISSUE AND FLUIDS	<u>Cytopathological examination of tissues and fluids for the purpose of diagnosis</u>	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods:	
Variety of cytology samples including washings, brushings, EBUS, CSF, Fine needle aspirations, urines and fluids	Examination of fluids to identify or exclude morphological and cytological abnormalities for clinical diagnosis	Sample preparation and staining using: Thermo Scientific "Cytospin 4" cytology centrifuge LIA-CPT-CYTOSPIN LPA-CPT-CENTRIFU LPA-CYP-SAKURAOP LPA-CPT-COVSLIPOP LPA-CYP-PREPURIN LPA-CPT-PREPCSF	RSCH
Washings, brushings, Fine needle aspirations and fluids		Preparation of cell block for Cytology specimens LPA-CPT-CELLBLOCKS	RSCH
Synovial fluids	Crystal identification - calcium pyrophosphate, urate and cholesterol	Joint Fluid Preparation LPA-CYP-SYNOVIALPREP Polarised Microscopy LPA-CPT-CRYSTALID	RSCH
Slides prepared in house from samples listed above	Staining for nuclear detail in cells present	Automated Staining using SLEE Chromatec Papanicolaou Staining method LPA-CYP-PAPSTAIN	RSCH
Slides prepared in house from samples listed above	Staining for nuclear detail in cells present	Manual staining using May-Grunwald Giemsa and Quick Diff LPA-CPT-MGGSTAIN	RSCH
Slides prepared in house from samples listed above	Morphological assessment and interpretation/diagnosis	Microscopy (quantitative analysis): Leitz/Nikon/Olympus microscopes LIA-CEX-OLYMBHTU LIA-CPT-BX40MIC Non-Gynae Reporting & Results Entry LPA-CPT-WINDATENT LPA-CPTNGQA LPA-CYP-NONGYNAEREP	RSCH
END			