


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 8086 Accredited to ISO 15189:2012	Frimley Health NHS Foundation Trust	
	Issue No: 012 Issue date: 07 March 2025	
	Frimley Health NHS Foundation Trust Frimley Park Hospital Frimley Camberley GU16 7UJ	Contact: Governance / Quality Department Tel: +44 (0) 1276 522194 / 1276 522541 / 1276 522175 E-Mail: fph-tr.bspsquality@nhs.net Website: www.nhspathology.fph.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
Address Harborne Building University of Reading Reading RG6 6LA	Local contact Amanda Babington Tel: +44 (0) 118322 8201 E-Mail: Amanda.babington@Royalberkshire.nhs.uk	Histology Immunocytochemistry Frozen Section for intraoperative diagnosis. Interpretive microscopy Non-Gynae Cytology OSNA (one-step nucleic acid amplification)	HAR
Address Department of Histopathology Wexham Park Hospital Slough Berkshire SL2 4HL	Local contact Stephen Brown Tel: +44 (0) 300 615 3458 E-Mail: stephenbrown8@nhs.net	Tissue dissection and decalcification Frozen Section for intraoperative diagnosis. OSNA (one-step nucleic acid amplification)	WPH



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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>Histopathological examination activities for the purposes of clinical diagnosis</u>	In-house documented procedures using manual methods or analysers as specified, in conjunction with manufacturers' instructions:	HAR WPH
Tissue samples: Fixed, fresh and frozen, including Bone Marrow trephines (limited to processing only for RBH (HAR). WPH [processing and reporting). Non-gynae cytology cell blocks	The examination of tissues to exclude or identify morphological and cytological abnormalities for the purpose of clinical diagnosis	Macroscopic and Microscopic examination	HAR WPH
Formalin-fixed tissue samples		Supported by documented in house methods incorporating manufacturer's instructions where relevant:	
		Tissue Dissection	
		HIS-RBH-SOP-001 Histology cut-up HIS-RBH-SOP-002 Dissection of small spec HIS-RBH-SOP-003 Dissection of large spec Thermofisher Printmate	HAR WPH
Formalin-fixed tissue samples		HIS-WPH-SOP-0077 Medical Specimen Dissection	
		Decalcification	
		HIS-RBH-SOP-019 Decalcifier TDE TM 30	HAR WPH
Formalin-fixed tissue samples including Non-gynae cytology cell blocks		Tissue Processing	
		HIS-RBH-SOP-006 Tissue Processing Sakura VIP 6 & VIP6AI	HAR



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> cont'd)	In-house documented procedures using manual methods or analysers as specified, in conjunction with manufacturers' instructions:	
Formalin-fixed tissue samples including Non-gynae cytology cell blocks		Tissue Embedding HIS-RBH-SOP-005 Embedding ThermoFisher Histostars	HAR
Formalin Fixed paraffin wax blocks of processed tissue, including Non-gynae cytology cell blocks		Sakura TEC 5 and 6 Embedding centre Tissue Sectioning HIS-RBH-SOP-007 Section Cutting Sakura Accu-cut SRM200 & Microm HM325 Microtomes	HAR
Fresh/frozen tissue		Frozen sections (cryotomy) HIS-RBH-SOP-011 Cryomicrotomy and Intraoperative Frozen Sections. HIS-WPH-SOP-0300 Leica CM1950 cryostats.	HAR WPH



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> cont'd)	In-house documented procedures using manual methods or analysers as specified, in conjunction with manufacturers' instructions:	
Formalin-fixed paraffin embedded tissue slides	Demonstration of basophilic and eosinophilic structures	Automated Haematoxylin and Eosin Staining Roche HE600 Staining Machine HIS-RBH-SOP-026;	HAR
Frozen tissue		Frozen section Haematoxylin and Eosin Staining procedures: HIS-RBH-SOP-011 MYREVA Automated stainer HIS-RBH-SOP-038	HAR WPH
Formalin-fixed paraffin embedded tissue slides (cont'd)	Demonstration of:	Special Tinctorial Histochemical Staining Methods Documented in house procedures for manual specials stains SOP H9	HAR
	Acid mucins	Alcian Blue Technique Mucicarmine Technique	HAR
	Acid and Neutral mucins	Alcian Blue – Periodic Acid-Schiff ± Diastase	HAR
	Amyloid - Primary	Congo Red with Potassium Permanganate	HAR
	Amyloid – Secondary	Congo Red (Highman)	HAR
	Amyloid deposits	Sirius Red	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	Special Tinctorial Histochemical Staining Methods (cont'd)	
Formalin-fixed paraffin embedded tissue slides (cont'd)	Basement membranes	Jones Methenamine (Hexamine) Silver method.	HAR
	Bacteria	Gram Stain	HAR
	Bile Pigments	Fouchet Technique	HAR
	Bone marrow cell differentiation	Giemsa Stain	HAR
	Calcium	Von Kossa Technique	HAR
	Colloidal Iron	Dialyzed Iron stain	HAR
	Elastin	Van Gieson Verhoeff's Stain	HAR
	Fibrin	MSB Stain.	HAR
	Fungi or Pneumocystis	Grocott Methenamine (Hexamine) Silver Method.	HAR
	Glycogen	PAS ± Diastase	HAR
	Haemosiderin	Perl's Prussian Blue Stain	HAR
	Hepatitis B Antigen	Orcein (Shikata) Stain	HAR
	Helicobacter	Toluidine Blue	HAR
Frozen tissue	Lipids	Oil Red O	HAR
	Mast Cells	Toluidine Blue	HAR
	Melanin	Masson Fontana Silver Overnight Masson Fontana Heated Method Melanin Bleach Method.	HAR
	M Leprae	Wade-Fite Method	HAR



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	Special Tinctorial Histochemical Staining Methods (cont'd)	
Frozen tissue (cont'd)	M Tuberculosis	Ziehl-Neelsen	HAR
Formalin-fixed paraffin embedded tissue slides	Reticulin Fibres	Gordon and Sweet Stain	HAR
	Smooth muscle/Collagen	Haematoxylin and Van Gieson	HAR
	Spirochaetes	Warthin Starry Method	HAR
	Connective tissue	Masson Trichrome	HAR
Formalin-fixed paraffin embedded tissue slides:	Immunohistochemistry for the detection of:	Automated Immunohistochemistry Documented in house procedures in conjunction with manufacturer's instructions for Roche Ventana Benchmark Ultra: HIS-RBH SOP-012	HAR
	Squamous epithelium, follicular epithelia in thyroid, epithelia and mesothelium in small and large bowel	34Be12 (HMWCK)	
	Amyloid A	AAC (Amyloid C Component)	
	Smooth Muscle, soft tissue tumour such as leiomyosarcomas	Actin (SMA)	
	Germinal Centre macrophages - tonsil	A-1-AT	
	Embryonic Cells in normal tissue and germ tumours.	AFP	
	Pan Cytokeratin	AE1/AE3	
	Prostate tumour marker	AMACR	
	Anaplastic lymphoma kinase large cell lymphoma.	ALK-1	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	Automated Immunohistochemistry using Roche Ventana Benchmark Ultra	HAR
Formalin-fixed paraffin embedded tissue slides: (cont'd)	Immunohistochemistry for the detection of: (cont'd)	Automated Immunohistochemistry Documented in house procedures in conjunction with manufacturer's instructions for Roche Ventana Benchmark Ultra: HIS-RBH SOP-012	
	Hairy Cell Leukaemia	Annexin A1	
	Colorectal Cancers and adenomas	Beta-Catenin	
	Follicular and diffused large cell lymphomas from reactive lymph nodes	BCL-2	
	Diffuse large B cell lymphomas and Burkitt's lymphoma and Reed Sternberg cells in Hodgkin's disease	BCL-6	
	Epithelial Cells of the Colon.	BerEP4	
	B cells, plasma cells	BOB-1	
	Luminal cells of fallopian tubes, Ovarian epithelial malignancies	CA125	
	Smooth muscle tumours	Caldesmon	
	Sclerosing lesions breast carcinoma	Calponin	
	Classification of mesothelial cells and malignant mesothelioma of the epithelial type	Calretinin	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	Automated Immunohistochemistry using Roche Ventana Benchmark Ultra	HAR
Formalin-fixed paraffin embedded tissue slides: (cont'd)	Immunohistochemistry for the detection of: (cont'd)	Automated Immunohistochemistry Documented in house procedures in conjunction with manufacturer's instructions for Roche Ventana Benchmark Ultra: HIS-RBH SOP-012	
	Parafollicular cells of the thyroid	Calcitonin	
	Carcinomas from malignant tumours of non epithelial origin	CAM 5.2	
	Langerhans cells in skin	CD1a	
	Normal and neoplastic T cells from thymocytes to mature T cells	CD3	
	Inducer T cells both normal and neoplastic	CD4	
	T cell lymphomas and mantle cell lymphoma	CD5	
	T cells cytotoxic / suppressor	CD8	
	All germinal centre cells – tonsil Renal cell carcinoma	CD10	
	Granulocytes, Reed-Sternberg cells.	CD15	
	B cells	CD20	
	Follicular dendritic cells	CD21	
	Small B cell lymphocytic lymphoma.	CD23	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	Automated Immunohistochemistry using Roche Ventana Benchmark Ultra	HAR
Formalin-fixed paraffin embedded tissue slides: (cont'd)	Immunohistochemistry for the detection of: (cont'd)	Automated Immunohistochemistry Documented in house procedures in conjunction with manufacturer's instructions for Roche Ventana Benchmark Ultra: HIS-RBH SOP-012	
	Reed Sternberg cells in Hodgkin's lymphoma, anaplastic large cell lymphoma and plasma cells	CD30	
	Endothelial cells. Benign and malignant vascular disorders	CD31	
	Leucocyte differentiation	CD34	
	T and B cell lymphomas	CD43	
	All Leucocytes	CD45 (LCA)	
	Neural / neuroendocrine tissue and natural killer cells	CD56	
	Mononuclear cells, natural killer and neuroectodermal cells	CD57	
	Macrophages	CD68	
	B cells all stages	CD79a	
	T- Lymphocytes, granulosa cells ovary, pancreatic islet cells, CNS ependymal cells and Sertoli's, Ewing's sarcoma	CD99	
	KIT protein in gastro-intestinal stromal tumours	CD117 (C-Kit)	
	Plasma cells	CD138	



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Formalin-fixed paraffin embedded tissue slides: (cont'd)	Immunohistochemistry for the detection of: (cont'd)	Automated Immunohistochemistry Documented in house procedures in conjunction with manufacturer's instructions for Roche Ventana Benchmark Ultra: HIS-RBH SOP-012	
	Loss of differentiation in colorectal cancers	CDX2	
	Adenocarcinoma	CEA	
	Neuroendocrine cells	Chromogranin A	
	Glandular and stratified squamous epithelium	CK (AE/AE3)	
	Myoepithelial cells of the prostate / breast. Squamous cell carcinoma	CK5/6	
	Adenocarcinomas of breast, lung, endometrium, ovary, thyroid and carcinomas of bladder and renal cell	CK7	
	Epithelial cells	CK8/18 CK18	
	Squamous epithelium	CK14	
	Adenocarcinomas of colon, stomach, pancreas, biliary tract, liver and breast	CK19	
	Columnar cell epithelium	CK20	
	Epithelial cells	CK MNF116	
	Cytomegalovirus infected cells	CMV	



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Formalin-fixed paraffin embedded tissue slides: (cont'd)	Immunohistochemistry for the detection of: (cont'd)	Automated Immunohistochemistry Documented in house procedures in conjunction with manufacturer's instructions for Roche Ventana Benchmark Ultra: HIS-RBH SOP-012	
	Mantle cell lymphomas and breast	Cyclin D1	
	Endothelial Cells	D2-40	
	Hairy cell leukaemia	DBA44	
	Smooth and striated muscle tumours	Desmin	
	Gastro-intestinal stromal tumours	DOG-1	
	Epstein Barr virus infected cells	EBI-3	
	Adenocarcinoma from mesothelioma and ductal vs lobular cancer of the breast	E-Cadherin	
	Variety of normal and neoplastic epithelia	EMA	
	Oestrogen receptors breast carcinoma	ER	
	Endothelial cells	Factor VIII	
	Endothelial cells and neoplastic blood cells. Used for differentiation between dermatofibroma and sarcoma	Factor VIIIa	
	Luminal epithelial cells in mammary glands	GATA3	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	Automated Immunohistochemistry using Roche Ventana Benchmark Ultra	HAR
Formalin-fixed paraffin embedded tissue slides: (cont'd)	Immunohistochemistry for the detection of: (cont'd)	Automated Immunohistochemistry Documented in house procedures in conjunction with manufacturer's instructions for Roche Ventana Benchmark Ultra: HIS-RBH SOP-012	
	Breast Carcinoma	GCDFP	
	Astrocytes, Schwann cells.	GFAP	
	Hepatocellular carcinoma, hepatoblastoma, melanoma, testicular germ cell tumours and Wilms tumour	Glypican -3	
	Placental secreting trophoblasts.	HCG	
	Melanoma cells	HMB-45	
	Choriocarcinoma and trophoblastic tumour of testis	HPL	
	Normal and neoplastic hepatocytes	Hepatocyte	
Breast Tissues	Detection of Her-2 antigen	Her-2	
	Renal/Fallopian tube Ca	PAX-8	
	Leydig and Sertoli cells testis	Inhibin	
	B cells and plasma cells	Kappa	
	B cells and plasma cells	Lambda	
	Myeloid leukaemia	Lysozyme	
	Melanomas and angiomyolipomas	MART-Melan-A	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	Automated Immunohistochemistry using Roche Ventana Benchmark Ultra	HAR
Formalin-fixed paraffin embedded tissue slides: (cont'd)	Immunohistochemistry for the detection of: (cont'd)	Automated Immunohistochemistry Documented in house procedures in conjunction with manufacturer's instructions for Roche Ventana Benchmark Ultra: HIS-RBH SOP-012	
	Melanoma	Melan A (red or brown)	
	Mesotheliomas, epithelial ovarian cancers and some squamous cell carcinomas	Mesothelin MSLN	
	Proliferating cells in germinal B cells	MIB-1 (Ki67)	
	Mismatch repair deficiency (MMR panel) screening in colorectal carcinoma	MSH2, MSH6, MLH1 AND PMS2 antibodies	
	Neoplastic differentiation of lung adenocarcinoma and mesothelioma	MOC-31	
	Expressed in plasma cells germinal centre B cells activated T cells and Reed Sternberg cells	MUM-1	
	Normal and neoplastic skeletal and cardiac muscle cells	Myo D1	
	Rhabdomyosarcomas, Wilms tumour	Myogenin	
	Normal and neoplastic skeletal and cardiac muscle cells	Myoglobin	
	Myeloid Cells	Myeloperoxidase	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	Automated Immunohistochemistry using Roche Ventana Benchmark Ultra	HAR
Formalin-fixed paraffin embedded tissue slides: (cont'd)	Immunohistochemistry for the detection of: (cont'd)	Automated Immunohistochemistry Documented in house procedures in conjunction with manufacturer's instructions for Roche Ventana Benchmark Ultra: HIS-RBH SOP-012	
	Central and peripheral neuroendocrine cells	NSE	
	Seminoma / germ cell tumour	OCT-4	
	Renal Cell, Thyroid and Ovarian Carcinomas	PAX8	
	Neurons and neuroendocrine cells	PGP 9.5	
	Placental trophoblasts	PLAP	
	Melanoma	PRAME	
	Breast carcinoma	Progesterone	
	Prostatic carcinoma	P504S (AMACR)	
	Prostate secretory and ductal epithelium	PSA	
	Glandular prostatic epithelium	PSAP	
	Malignant change in cervical epithelium, HPV	P16	
	Cell proliferation	P53	
	Prostate basal cells, glandular epithelium	P63	
	Renal tumours	RCC	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	Automated Immunohistochemistry using Roche Ventana Benchmark Ultra	HAR
Formalin-fixed paraffin embedded tissue slides: (cont'd)	Immunohistochemistry for the detection of: (cont'd)	Automated Immunohistochemistry Documented in house procedures in conjunction with manufacturer's instructions for Roche Ventana Benchmark Ultra: HIS-RBH SOP-012	
	Schwann cells, adipocytes, cartilage	S100	
	Transcription factor Sox-10	Sox-10	
	Islets of Langerhans cells	Synaptophysin	
	Leukaemias, acute lymphoblastic	TdT	
	Lymphomas in lung and thyroid.	TTF-1	
	Mesothelioma	Thrombomodulin	
	Thyroid follicular epithelial cells	Thyroglobulin	
	Cells of mesenchymal origin	Vimentin	
	Mesenchymal cells, Wilms tumour, Serous ovarian adenocarcinoma	WT1	
	Myosin	SMM	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u> Acidic mucins Helicobacter Amyloid Acidic mucins, neutral mucins, PAS positive substances Haemopoietic cells Acid Fast Bacilli Fungi Haemosiderin, Ferric iron, Asbestos, Ferruginous bodies Connective Tissue Spirochetes	Automated Special Stains using Roche Ventana Benchmark Special Stainer HIS-RBH-SOP-041 Alcian Blue Staining Kit Alcian Blue for PAS Staining Kit Alcian Yellow Staining Kit Congo Red Staining Kit Diastase/PAS Staining Kit Giesma Staining Kit AFB Staining Kit Grocott, GMSII Staining Kit Iron Staining Kit Reticulum II Staining kit Trichrome Staining kit Steiner II Staining Kit	HAR
Frozen tissue sections from skin biopsies	Diagnosis of skin blistering disorders	Automated Immunofluorescence in conjunction with manufacturer's instructions for Ventana Benchmark Ultra Fluorescent microscope Leica DM200 + FL 290963 SOP H12 ICC SOP H11 Frozen sections and Cryotomy incorporating the following antibodies. IgA IgG IgM C3	HAR



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	In-house documented procedures using manual methods or analysers as specified, in conjunction with manufacturers' instructions:	
Stained tissue slides	Morphological assessment and interpretation / diagnosis	Microscopic examination: Assorted range of diagnostic bright-field microscopes	HAR WPH
HUMAN BODY FLUIDS	<u>Cytopathological (Non-Gynae) examination activities for the purposes of clinical diagnosis</u>	In-house documented procedures using manual methods or analysers as specified, in conjunction with manufacturers' instructions:	
Body fluids Fine Needle Aspirations Hydrocele and renal cyst fluid Cerebro-spinal fluid (CSF) Sputum Bronchio-alveolar lavage Bronchial washings Hemospermia EBUS specimens Synovial fluid	Examination of body fluid/fine needle aspirate samples to exclude or identify morphological and cytological abnormalities for the purpose of clinical diagnosis	Documented in-house procedures HIS-RBH-SOP-067 Non Gynae Cytology In conjunction with manufacturer's instructions for Cytospin, megafuge, Hologic Thinprep 2000 (not hydrocele fluid or CSF), Roche HE600 Tissue-Tek Prisma Staining Machine & G2 Glass Coverslipper	HAR
	Demonstration of Cells (nuclei and cytoplasm) and micro-organisms	Tinctorial stains HIS-RBH-SOP-067 Papanicolaou stain May Grunwald stain Microscopy	HAR
	Preparation of cell blocks for histology processing and staining	HIS-RBH-SOP-067 Non Gynae Cytology	HAR



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HUMAN BODY FLUIDS (cont'd)	<u>Cytopathological (Non-Gynae) examination activities for the purposes of clinical diagnosis</u> (cont'd)	In-house documented procedures using manual methods or analysers as specified, in conjunction with manufacturers' instructions:	
Cyst fluid Nipple discharge Body fluids Fine Needle Aspirations	Examination of cellular material in order to identify or exclude morphological and cytological abnormalities	FNA slide preparation and manual staining with Gurr Diff Quik May Grunwald Giemsa kit Documented in-house procedures SOP C5 Breast Clinic HIS-RBH-SOP-067 Non Gynae Cytology	RBH
Stained cytology slides	Morphological assessment and interpretation / diagnosis	Microscopic examination: Assorted range of diagnostic bright-field microscopes HIS-RBH-SOP-062 Medical Reporting Microscopic examination: Assorted range of diagnostic bright-field microscopes Documented in-house procedure HIS-WPH-SOP-0703	HAR WPH
Sentinel lymph node tissue	<u>Molecular examination activities for the purposes of clinical diagnosis</u> Detection of Cytokeratin 19 (CK19) mRNA	Documented in-house procedures OSNA HIS-RBH-HWD-SOP-018 In conjunction with manufacturer's instructions for Sysmex RD210, Eppendorf minispin. RP10 Homogeniser. OSNA (One Step Nucleic Acid Amplification)	HAR WPH
END			