Schedule of Accreditation

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Warrington and Halton Teaching Hospitals NHS Foundation Trust

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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 Histopathology Department Warrington Hospital Lovely Lane Warrington WA5 1QG	**Local contact** Carol Taylor **Tel:** +44(0)1925 665092	Histology Mortuary: Storage and release of bodies Hospital and Coronial Post-mortems Retrieval of tissue from Post-mortem	A

Site activities performed away from the locations listed above:

Location details		Activity	Location code
Address Halton Hospital Hospital way Runcorn WA7 2DA	**Local contact** Carol Taylor **Tel:** +44(0)1925 665092	Mortuary: Storage and release of bodies	B

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	Histopathological examination activities for the purposes of clinical diagnosis	In-house documented procedures using manual methods or analysers as specific in conjunction with manufacturers' instructions as specified:	
Tissue samples: Formalin fixed paraffin embedded (FFPE), fresh and frozen.	The examination of tissues to exclude or identify morphological and cytological abnormalities for the purpose of clinical diagnosis	Macroscopic and Microscopic examination supported by: Histology cut-up Using manual methods. SOP: HC-CU-1 Dissection of small specimens using manual methods. SOP: HC-CU29 Dissection of large spec using manual methods. SOP: HC-PA-2, HC-PA-7, HC-PA-8, HC-PA-14, HC-PA-33, HC-PA-38, HC-PA-47, HC-PA-53 Tissue Processing using Thermofisher Excelsior AS. SOP: HC-CU-14	A
Tissue samples: Formalin fixed paraffin embedded (FFPE).	The examination of tissues to exclude or identify morphological and cytological abnormalities for the purpose of clinical diagnosis (cont'd)	Macroscopic and Microscopic examination supported by: (cont'd) Embedding using Thermofisher Histostars. SOP: HC-BS-12 Section Cutting using Leica Histocore Multicut microtomes. SOP: HC-BS-12 Automated H&E staining by Leica autostainer and cover-slipper using SOP HC-BS-7	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY TISSUE AND FLUIDS (cont'd)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures using manual methods or analysers as specific in conjunction with manufacturers' instructions as specified:	
Stained FFPE slides/ Cytology prepared slides	Morphological assessment/interpretation and diagnosis of Histological and Cytological specimens	Microscopy using a range of consultant grade microscopes with Medical Reporting via MOLIS AP LIMS software using SOP HC-CO-45	A
Formalin-fixed paraffin embedded tissue slides	Demonstration of:	Special Tinctorial Histochemical Staining Methods SOP Manual techniques	A
	Basophilic and eosinophilic structures	Routine H&E staining using a manual method SOP: HC-SS-11	
	Acid mucins	Alcian Blue Technique using a manual method. SOP: HC-SS-4	
	Acid and Neutral mucins	Alcian Blue – Periodic Acid-Schiff ± Diastase using a manual method. SOP HC-SS-5	
	Amyloid – Secondary	Congo Red (Highman) using a manual method. SOP: HC-SS-6	
	Bacteria	Gram Stain using a manual method. SOP: HC-SS-9	
	Helicobacter	Giemsa Stain using a manual method. SOP: HC-SS-8	
	Connective tissue	Van Gieson using a manual method. SOP: HC-SS-22	
	Fungi or Pneumocystis	Grocott Methenamine using a manual method. SOP: HC-SS-10	
	Glycogen and mucins	PAS ± Diastase using a manual method. SOP: HC-SS-17	
	Haemosiderin	Perl's Prussian Blue Stain using a manual method. SOP: HC-SS-18	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY TISSUE AND FLUIDS (cont'd)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures using manual methods or analysers as specific in conjunction with manufacturers' instructions as specified:	
Formalin-fixed paraffin embedded tissue slides (cont'd)	Demonstration of: (cont'd)	Special Tinctorial Histochemical Staining Methods SOP Manual techniques (cont'd)	A
	Inclusion bodies/ reticulin	Orcein (Shikata) Stain using a manual method. SOP: HC-SS-20	
	Mast cells	Toluidine Blue using a manual method. SOP: HC-SS-21	
	Melanin	Masson Fontana using a manual method. SOP: HC-SS-13	
	M Tuberculosis	Ziehl Neelsen (ZN) using a manual method. SOP: HC-SS-24	
	Reticulin Fibres	Gordon and Sweet Stain using a manual method. SOP: HC-SS-19	
	Elastin	Miller's Elastic Van Gieson using a manual method. SOP: HC-SS-16	
Formalin-fixed paraffin embedded tissue slides	Immunohistochemistry for the detection of:	Automated Immunohistochemistry In conjunction with manufacturer's instructions for Roche Ultra SOP: HC-IMM-17 and HC-IMM-18; incorporating the following antibodies: -	A
	Squamous epithelium, follicular epithelia in thyroid, epithelia and mesothelium in small and large bowel	34Be12 (HMWCK)	
	Smooth Muscle, soft tissue tumour such as leiomyosarcomas	Actin (SMA)	
	Follicular and diffused large cell lymphomas from reactive lymph nodes	BCL-2	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY TISSUE AND FLUIDS (cont'd)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures using manual methods or analysers as specific in conjunction with manufacturers' instructions as specified:	
Formalin-fixed paraffin embedded tissue slides (cont'd)	Immunohistochemistry for the detection of: (cont'd)	Automated Immunohistochemistry In conjunction with manufacturer's instructions for Roche Ultra SOP: HC-IMM-17 and HC-IMM-18; incorporating the following antibodies: - (cont'd)	A
	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	
	Luminal cells of fallopian tubes, Ovarian epithelial malignancies	CA125	
	Classification of mesothelial cells and malignant mesothelioma of the epithelial type	Calretinin	
	Adenocarcinoma of intestinal origin	CDX2	
	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	
	All germinal centre cells – tonsil Renal cell carcinoma	CD10	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY TISSUE AND FLUIDS (cont'd)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures using manual methods or analysers as specific in conjunction with manufacturers' instructions as specified:	
Formalin-fixed paraffin embedded tissue slides (cont'd)	Immunohistochemistry for the detection of: (cont'd)	Automated Immunohistochemistry In conjunction with manufacturer's instructions for Roche Ultra SOP: HC-IMM-17 and HC-IMM-18; incorporating the following antibodies: - (cont'd)	A
	Granulocytes, Reed-Sternberg cells.	CD15	
	B cells	CD20	
	Small B cell lymphocytic lymphoma.	CD23	
	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	
	All Leucocytes	CD45 (LCA)	
	Neural / neuroendocrine tissue and natural killer cells	CD56	
	Macrophages	CD68	
	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	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY TISSUE AND FLUIDS (cont'd)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures using manual methods or analysers as specific in conjunction with manufacturers' instructions as specified:	
Formalin-fixed paraffin embedded tissue slides (cont'd)	Immunohistochemistry for the detection of: (cont'd)	Automated Immunohistochemistry In conjunction with manufacturer's instructions for Roche Ultra SOP: HC-IMM-17 and HC-IMM-18; incorporating the following antibodies: - (cont'd)	A
	Adenocarcinomas of breast, lung, endometrium, ovary, thyroid and carcinomas of bladder and renal cell	CK7	
	Epithelial cells	CK8/18	
	Basal cell marker	CK14	
	Columnar cell epithelium	CK20	
	Smooth and striated muscle tumours	Desmin	
	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	
	CerbNeu protein	HER2	
	Melanoma cells	HMB-45	
	Melanoma	Melan A	
	Proliferating cells in germinal B cells	MIB-1 (Ki67)	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY TISSUE AND FLUIDS (cont'd)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures using manual methods or analysers as specific in conjunction with manufacturers' instructions as specified:	
Formalin-fixed paraffin embedded tissue slides (cont'd)	Immunohistochemistry for the detection of: (cont'd)	Automated Immunohistochemistry In conjunction with manufacturer's instructions for Roche Ultra SOP: HC-IMM-17 and HC-IMM-18; incorporating the following antibodies: - (cont'd)	A
	Breast carcinoma	Progesterone	
	Prostate secretory and ductal epithelium	PSA	
	Malignant change in cervical epithelium, HPV	P16	
	Prostate basal cells, glandular epithelium	P63	
	Schwann cells, adipocytes, cartilage	S100	
	Islets of Langerhans cells	Synaptophysin	
	Lymphomas in lung and thyroid.	TTF-1	
	Cells of mesenchymal origin	Vimentin	
END			