Schedule of Accreditation

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Great Western Hospitals NHS Foundation Trust

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Testing performed at the above address only

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity
Address Department of Cellular Pathology Great Western Hospitals NHS Foundation Trust The Great Western Hospital Marlborough Road Swindon SN3 6BB **Local contact** Andrea Taibi (contact detail above)	Diagnostic cytopathology Histopathology (inc routine and special staining) Immunohistochemistry Mortuary services (inc Body receipt, storage and release)

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES	Histopathological examination activities for the purposes of clinical diagnosis	Macroscopic and Microscopic examination supported by in-house documented procedures based on equipment manuals as relevant
Tissues	Examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Specimen Dissection: BMS Specimen dissection (HIS-S-151) Tissue Preparation – Transfers (CP-S-039) Decalcification: Decalcification (HIS-S-125) Tissue processing: Sakura VIP6 A1 tissue processor (CP-S-010) Embedding: Sakura Tissue Tek 6 embedding centre (CP-S-035) Microtomy: Leica Histocore Biocut microtome SOP: CP-S-039
	Identification of nuclei, cell cytoplasm and connective tissues in cells and tissues for the purposes of clinical diagnosis	Haematoxylin and Eosin (H&E) staining: Sakura Tissue Tek Prisma Plus stainer (SOP: CP-S-062) with integrated Sakura Tissue Tek Film coverslipper (SOP: CP-S-063)
	Examination to identify or exclude morphological and cytological abdnormalities for purpose of diagnosis	Special Staining
	Special staining of histopathology examinations to assist in detection of clinical abnormalities: Acid and Neutral Mucopolysaccharides and Glycogen	Manual methods for Special stains: Alcian Blue PAS (+/- Diastase) - HIS-S-002, HIS-S-006

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES (cont'd)	Histopathology (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant)
	Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	
	Special Stains (cont'd)	
	Asbestos fibres, Haemosiderin, Ferric Iron	Perls' Prussian Blue - HIS-S-040
	Amyloid	Congo Red - HIS-S-004
	Elastic Fibres, connective tissue and Fibrin	Miller's Elastin Stain - HIS-S-012 Masson Trichrome - HIS-S-131 Martius Scarlet Blue - HIS-S-011 Haematoxylin Van Gieson - HIS-S-010
	Reticulin Fibres	Gordon and Sweet's Reticulin - HIS-S-074
	Helicobacter/Microorganisms	Modified Giemsa - HIS-S-148
	Acid Alcohol Fast Bacilli	Ziehl Neelsen - HIS-S-072
	Spirochaetes	Warthin Starry - HIS-S-133
	Acid Fast Bacilli	Wade Fite - HIS-S-132
	Fungi	Grocott's Hexamine Silver - HIS-S-128
	Gram +ve & Gram –ve microorganisms	Gram Stain - HIS-S-127
	Haemopoietic cells	Giemsa - HIS-S-007
	Melanin	Masson Fontana - HIS-S-130 Melanin Bleach - HIS-S-028
	Hepititis B Surface Antigen, Copper Accociated Protien	Shikata's Orcein - HIS-S-043
	Mast Cells	Toluidine Blue - HIS-S-155

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES (cont'd)	Immunohistochemistry examination activities for detection of clinical abnormalities:	Immunohistochemistry Microscopic examination supported by in-house documented procedures based on equipment manuals as relevant:
Tissues	Immunohistochemistry to detect the following:	Documented in house methods used in accordance with the manufacturers operating instructions for the use of Agilent Dako Omnis IHC automated immunostainers Incorporating the following antibodies.
	Hepatocelluar carcinomas, Endodermal sinus tumor (EST) or Yolk sac tumours (YST)	Alpha FetoProtein
	Prostate ca	AMACR/Racemase
	Follicular lymphomas	BCL2
	Germinal centre lymphocytes,Non Hodgkins lymphoma / DLBCL	BCL6
	High molecular weight cytokeratin	34βe12
	Epithelial cells	BER EP4
	Ovarian epithelial malignancies	CA125
	Secretory epithelia	CK8/18
	T cells	CD3
	Tcells , subset of B cells in mantle zone	CD5
	Lymphoblastic, Burkitts, follicular lymphomas. Germinal centres, perineurium,breast myoepithelial cells etc	CD10
	Reed Sternberg cells, granulocytes, monocytes	CD15
	B cells	CD20
	B cells, monocytes, FDCs	CD23
	RS cells, Hodgkin cells, ALCL	CD30

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES (cont'd)	Immunohistochemistry examination activities for detection of clinical abnormalities: (cont'd)	Immunohistochemistry Microscopic examination supported by in-house documented procedures based on equipment manuals as relevant:
Tissues (cont'd)	Immunohistochemistry to detect the following: (cont'd)	Documented in house methods used in accordance with the manufactuers operating instructions for the use of Agilent Dako Omnis IHC automated immunostainers and SOP-CP-S-091 Incorporating the following antibodies:
	Endothelial cells, platelets, monocytes, granulocytes, some B cells	CD31
	Vascular endothelium. Lymphoid and myeloid progenitor cells	CD34
	Majority of leucocytes	CD45
	Neurons, astrocytes, schwann cells, NK cells,	CD56
	Macrophages, monocytes, neutrophils, basophils, large lymphocytes	CD68 PG-M1 KP1
	B cells	CD79a
	GIST, Mast cells etc	CD117
	Intestinal epithelial cells	CDX2
	Cell surface glycoprotein, overexpressed in colonic and other tumours	CEA (MONO)
	Neuroendocrine cells and tumours	CHROMOGRANIN A
	Epithelium	CK (AE1/AE3)
	Non keratinising stratified squamous and basal epithelia	CK5/6
	Plasma cells	Was CD 138 change to V538C
	Glandular and transitional epithelia	CK7
	Ductal and glandular epithelia	CK19

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES (cont'd)	Immunohistochemistry examination activities for detection of clinical abnormalities: (cont'd)	Immunohistochemistry Microscopic examination supported by in-house documented procedures based on equipment manuals as relevant:
Tissues (cont'd)	Immunohistochemistry to detect the following: (cont'd)	Documented in house methods used in accordance with manufacutuers operating instructions for the use of Agilent Dako Omnis IHC automated immunostainers and SOP CP-S-091 Incorporating the following antibodies:
	Gastric and intestinal epithelium, urothelium, Merkel cells of skin	CK20
	Mantle cell lymphomas, myelomas	CYCLIN D1
	Desmin in striated and smooth muscle	DESMIN
	Gastro intestinal stromal tumours	DOG – 1
	Epithelial cells	E CADHERIN
	Normal and neoplastic epithelia	EMA
	Estrogen receptors	ER
	Dermal dendritic cells, endothelial cells	FACTOR XIII
	Melanocytic tumours	HMB45
	Hepatocellular carcinoma	HEPATOCYTE SURFACE AG
	Granulosa cell and Sertoli cell tumours	INHIBIN A
	G1,S,G2 and mitotic phase cells	KI67
	Kappa immunoglobulin light chains	KAPPA
	Lambda immunoglobulin light chains	LAMBDA
	Melanocytes	MELAN A
	Prostatic glands	PSA
	P53 Protein	P53

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES (cont'd)	Immunohistochemistry examination activities for detection of clinical abnormalities: (cont'd)	Immunohistochemistry Microscopic examination supported by in-house documented procedures based on equipment manuals as relevant:
Tissues (cont'd)	Immunohistochemistry to detect the following: (cont'd)	Documented in house methods used in accordance with manufacutuers operating instructions for the use of Agilent Dako Omnis IHC automated immunostainers and SOP CP-S-091 Incorporating the following antibodies: (cont'd)
	P63 Protein	P63
	Seminoma, some germ cell tumours	PLAP
	Progesterone receptor	PR
	Neuroectodermal tissues	S100
	Smooth muscle cells	SMMHC (MYOSIN)
	Smooth muscle cells	SMMHC (MYOSIN)
	Neuroendocrine tumours, neurons	SYNAPTOPHYSIN
	Thyroid and lung cells	TTF1
	Mesenchymal cells	VIMENTIN
	Ovarian tumours	WT1
	Lynch Syndrome (Mismatch repair	MISMATCH REPAIR : MLH1 MSH2 MSH6 PMS2
	Tumour suppressor protein	P16
	Calcium binding protein	CALRETININ
	Tcells: T cell surface antigen	CD1A
	Mesotheiln protein	MESOTHELIN

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES (cont'd)	Immunohistochemistry examination activities for detection of clinical abnormalities: (cont'd)	Immunohistochemistry Microscopic examination supported by in-house documented procedures based on equipment manuals as relevant:
Slides prepared in house from samples listed above	Morphological assessment and interpretation/diagnosis	Microscopy (qualitative analysis) In-house procedure: Operation of microscopes (CP-S-038)
HUMAN BODY FLUIDS AND TISSUES Fine needle aspirations from: Lymph nodes Breast Thyroid Parodid Axilla Lung Pancreas Pleural Ascetic Pericardial Peritoneal Respiratory fluids and brushings Urine Peritoneal washings Ileal conduit Gastrointestinal brushings Cyst Fluids Synovial Fluid Sputum Crerebrospinal Fluid	Examination of non-gynaecological cytology specimens to assist in detection of clinical abnormalities Examination of tissues to identify or exclude cytological abnormalities for the purpose of clinical diagnosis Morphological assessment and interpretation/diagnosis	Microscopic examination supported by in-house documented procedures based on equipment manuals as relevant: Processing Non-gynae cytology specimens (CP-S-009) Staining: Using in-house procedures for: Sakura Tissue Tek Prisma Plus stainer (SOP: CP-S-062) with integrated Sakura Tissue Tek Film coverslipper (SOP: CP-S-063) Rapi-diff staining (CP-S-049), H&E (CP-S-011) Centrifugation: Operation of centrifuges in Non-Gynae Cytology (CP-S-016) Microscopy: Operation of microscopes (CP-S-038)

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