


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 UKAS MEDICAL 8415 Accredited to ISO 15189:2012	Oxford University Hospitals NHS Foundation Trust	
	Issue No: 009 Issue date: 28 February 2024	
	Cellular Pathology John Radcliffe Hospital Headley Way Headington Oxford OX3 9DU	Contact: Sharon Roberts-Gant Tel: +44 (0)1865-220494 E-Mail: sharon.roberts-gant@ouh.nhs.uk Website: www.ouh.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
John Radcliffe Hospital Headley Way Headington Oxford OX3 9DU Sharon Roberts-Gant (contact details above)	Diagnostic Cytopathology Histopathology (inc. routine & special staining, frozen sections) Immunohistochemistry In-situ hybridisation Mortuary services (inc. body receipt, storage & release)	JRH
Churchill Hospital Old Road Headington Oxford OX3 7LE Sharon Roberts-Gant (contact details above)	Slide production, staining & mounting of fine needle aspirates for diagnostic cytology.	CHF

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Churchill Hospital Old Road Headington Oxford OX3 7LE Sharon Roberts-Gant (contact details above)	Body receipt, storage & release	CHB
Horton General Hospital Oxford Road Banbury Oxfordshire OX16 9AL Sharon Roberts-Gant (contact details above)	Body receipt, storage & release	HH



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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
<p>HUMAN TISSUES AND FLUIDS</p> <p>Fluids Brushings Fine needle aspirates slide preparations for cytological analysis</p>	<p><u>Diagnostic cytopathology</u></p> <p>Examination to identify or exclude cytological abnormalities for the purpose of diagnosis</p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):</p> <p><u>Preparation/centrifugation</u> using procedures: NG02, NG03 in conjunction with manufacturer's instructions using: ThermoShandon Cytospin4, Heraeus Labofuge 400: NG08, NG40 Cytoblocks Kit NG32</p>	JRH
	<p>Examination to identify or exclude cytological abnormalities for the purpose of diagnosis</p>	<p><u>Staining</u> using in-house procedures for (as appropriate): Papanicolaou: NG19 May Grunwald Giemsa: NG20 Quick Diff: NG21 in conjunction with manufacturer's instructions using: Shandon Varistain 24-4: NG02, NG19</p> <p>Automated staining Papanicolaou Use and Maintenance of Tissue Tek Prisma™ Automated Staining Machine, H272</p>	JRH
	<p>Morphological assessment and interpretation/diagnosis</p>	<p><u>Microscopy (qualitative analysis)</u> Using procedures: CPSOP27 in conjunction with manufacturer's instructions using microscopes Leitz Dialux, Labourlux K, Laborlux S, Orthoplan, Orthomat II, Nikon Eclipse 50i, Ci-L, E200, E400 & E600, Optishot Olympus BH2, BHTU, BH-U, BHS312, BHS313, BX40, BX41, BX50, BX51, BX53</p>	JRH CHF
<p>Slides prepared in house from samples listed above</p>			



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<p>HUMAN TISSUES</p> <p>Tissues: biopsy, excision, resection and post-mortem specimens</p>	<p><u>Histopathology</u></p> <p>Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis</p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):</p> <p><u>Macroanalysis & dissection</u> using: Cut up and Assisting H004, Specimen Handling at Cut Up, H005 Decalcification and Tissue Softening, H008 Frozen Section and Fresh Tissue Handling, H010 Handling of POC/Ectopic Cases Following Specimen Dissection (HTA team), H294 Use of Menarini MacroPath Pro-x Digital Camera, H305 Skin Dissection Guidelines, MO03 Gastrointestinal Dissection Guidelines, MO07 Urological Dissection Guidelines, MO08 Breast Dissection Guidelines, MO09 Cardio-Respiratory Dissection Guidelines, MO10 Head and Neck Dissection Guidelines, MO11 Haematological Dissection Guidelines, MO13 Endocrine Dissection Guidelines, MO15</p>	<p>JRH</p>



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HUMAN TISSUES (cont'd)	<u>Histopathology</u> (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant): Cut up pf Gynaecological Specimens, MO16 Use of Circular Saw, MO43 Gynaecological Dissection Guidelines for BMS's, MO49	JRH
Fresh Tissue for Frozen techniques	Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	<u>Frozen Section and Fresh Tissue Handling H010</u> <u>Sectioning & slide production</u> using: Leica Cryostats, CM1950 & CM1860 UV Cryostat Use and Maintenance, H201 Immunofluoresence Cutting and Staining, H040	JRH
Frozen Tissue Tissue on Glass Slides	Stains to detect the following: Basophilic and eosinophilic tissue structures	Manual H&E Method and Quality Monitoring of H&E Stain H171	JRH
Frozen sections of fresh tissue	Special stains to detect the following: Ganglion cells Neutral lipds	<u>Special staining</u> Manual methods using procedures: Special Stains Workload Organisation and Quality Control Procedure H264 and stains as appropriate: ACHE (Acetylcholinesterase) Staining Method H194 Oil red O Technique H092	JRH



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<p>HUMAN TISSUES (cont'd)</p> <p>Frozen sections of fresh tissue</p> <p>Tissues: biopsy, excision, resection and post-mortem specimens</p>	<p><u>Histopathology</u> (cont'd)</p> <p>Immunohistochemistry to detect the following:</p> <p>Complement factor (fluorescent)</p> <p>Complement factor (fluorescent)</p> <p>Fibrinogen (fluorescent)</p> <p>Immunoglobulin (fluorescent)</p> <p>Immunoglobulin (fluorescent)</p> <p>Immunoglobulin (fluorescent)</p> <p>Light chain (fluorescent)</p> <p>Light chain (fluorescent)</p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):</p> <p>Immunofluorescence Cutting and Staining SOP H040</p> <p>C1Q FITC</p> <p>C3 FITC</p> <p>Fibrinogen FITC</p> <p>IgA FITC</p> <p>IgG FITC</p> <p>IgM FITC</p> <p>Kappa FITC</p> <p>Lambda FITC</p> <p><u>Processing</u> using:</p> <p>Sakura VIP: Processors: Use & Maintenance of the Tissue-Tek Vacuum Infiltration Processor 5, H159</p> <p>Use and Maintenance of Tissue-Tek VIP6, H273</p> <p>Leica Peloris Processors : Use and Maintenance of the Leica Peloris Tissue Processor, H288</p> <p>Use and Maintenance of the Leica Peloris III, H301</p>	<p>JRH</p>



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<p>HUMAN TISSUES (cont'd)</p> <p>Tissues: biopsy, excision, resection and post-mortem specimens (cont'd)</p> <p>Formalin Fixed Paraffin wax Embedded tissue (FFPE)</p> <p>FFPE sections on glass slides</p>	<p><u>Histopathology</u> (cont'd)</p> <p>Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis</p> <p><u>Stains to detect the following:</u></p> <p>Basophilic and eosinophilic tissue structures</p> <p><u>Special stains to detect:</u></p> <p>Dermal Acidic Mucins</p> <p>Acidic mucins, PAS positive substances (neutral mucins, glycogen) and mixed mucins</p> <p>Acidic mucins, PAS positive substances (not glycogen) and mixed mucins</p> <p>Glycogen evidenced by loss of staining after diastase</p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):</p> <p><u>Embedding</u> using: Thermoshandon Histostar & Leica embedding centres, Leica Histocore Arcadia embedding centre. Tissue Embedding, Daily Worksheet and Block Organisation, H021</p> <p><u>Sectioning & slide production</u> using: Leica Rotary Microtomes, RM2135, RM2235 & RM2255 Leica Histocore Biocut microtomes: Microtomy H022</p> <p>Automated Methods</p> <p>Routine Haemotoxylin and Eosin (H&E) staining & coverslipping Use and Maintenance of Tissue Tek Prisma™ Automated Staining Machine, H272 Use and maintenance of the Tissue Tek Glas g2 automated coverslipper: CPSOP32</p> <p>Automated staining method</p> <p>Alcian Blue H&E Technique, H136</p> <p>Alcian Blue Periodic Acid Schiff's (ABPAS) Technique, H054</p> <p>Diastase Alcian Blue Periodic Acid Schiff's (DABPAS) Technique, H296</p> <p>Diastase Periodic Acid Schiff's (DPAS) Technique, H097</p>	<p>JRH</p>



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HUMAN TISSUES (cont'd)	<u>Histopathology</u> (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	JRH
FFPE sections on glass slides (cont'd)	<u>Special stains to detect:</u> (cont'd)	Automated staining method	
	Mucins, Glycogen, Basal Lamina, PAS positive substances	Renal Periodic Acid Schiff's (RPAS) Technique, H098	
	<i>Helicobacter pylori</i>	Toluidine Blue for <i>H. Pylori</i> , H071	
FFPE, fresh and frozen sections on glass slides	<u>Stains to detect the following:</u>	Staining manual methods using procedures:	
	Basophilic and eosinophilic tissue structures	Manual H&E Method and Quality Monitoring of H&E Stain, H171	
		Manual Coverslipping & Repairing Slides, H027	
	Acidic mucins	Manual Special Stain methods: Alcian blue (AB) H053	
	Acidic mucins, PAS positive substances, (neutral mucins, glycogen) and mixed mucins	Alcian Blue Periodic Acid Schiffs (ABPAS) H054	
	Alcidic mucins, PAS positive substances (not glycogen) and mixed mucins	Diastase Alcian blue Periodic Acid Schiffs (DABPAS) H296	
	Glycogen evidenced by loss of staining after diastase	Diastase Periodic Acid Schiff's (DPAS) Technique H097	
	Deramal acidic mucins	Alcian blue haematoxylin for skin H136	
	Elastic, Collagen, RBCs & other tissue elemetns	Elastic van Gieson (EVG) H087	
	Bile pigment, muscle / cytoplasm and collagen	Fouchet - Technique, H063	



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HUMAN TISSUES (cont'd)	<u>Histopathology</u> (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	JRH
FFPE, fresh and frozen sections on glass slides (cont'd)	<u>Stains to detect the following:</u> (cont'd) Collagen Haemopoietic cells Gram positive & negative microorganisms Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Staining manual methods using procedures: Fast green - Sirius Red Technique, H133 Giemsa method H064 Gram's stain HO69	
FFPE sections on glass slides	<u>Special stains to detect the following:</u> Reticulin fibres, collagen <i>Fungi, Pneumocystis carinii / jirovecii</i> Amyloid Collagen, Muscle, RBCs Glomerular Basement membranes, basal lamina Fibrin, Muscle, Collagen, RBCs Collagen, connective tissue, muscle, RBCs Melanin, Argentaffin, Chromaffin, Lipofuscin	Special staining Manual methods Reticulin stain (Gordon & Sweets technique) H068 Grocott's Hexamine Silver Congo red method H174 Haematoxylin Van Gieson H077 Jones Hexamine silver technique H079 Martius Scarlet Blue (MSB) technique H089 Masson's trichrome technique H086 Masson Fontana and melanin bleach H084	



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HUMAN TISSUES (cont'd)	<u>Histopathology</u> (cont'd) Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	JRH	
FFPE sections on glass slides (cont'd)	<u>Special stains to detect the following:</u> (cont'd) Hepatitis B surface antigen (Hep BsAg),, Copper Associated Proteins (CAP) & Elastin Mucins, Glycogen, PAS positive substances – (such as fungal hyphae) Glycogen evidenced by loss of staining after diastase Haemosiderin, Ferric iron, Ferruginous bodies	Special staining Manual methods Orcein shikata stain H094 Periodic Acid Schiffs (PAS) Technique H096 Diastase Periodic Acid Schiffs (DPAS) technique H097 Perls Prussian Blue H099		
	<u>Special stains to detect the following:</u> Basal lamina, PAS positive substances <i>Helicobacter pylori</i> Acid fast bacilli – <i>mycobacterium leprae</i> Acid fast bacilli <i>mycobacterium sp</i>	Special staining <u>Manual methods</u> Renal Periodic Acid Schiffs (RPAS) techniques (H098) Toluidine blue for Helicobacter Pylori H071 Wade-Fite technique H120 Ziehl Neelsen technique H113 <u>Automated methods</u>		JRH
	Acidic mucins, neutral mucins, PAS positive substances Acidic mucins, PAS positive substances Glycogen evidenced by loss of staining after Diastase	Alcian Blue Periodic Acid Schiffs (PAS) Diastase Alcian blue PAS Diastase PAS		



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HUMAN TISSUES (cont'd)	<u>Histopathology</u> (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	JRH
	Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis (cont'd)	Immunohistochemistry Workload Organisation H235 Anitbody Dilution and Optimisation, H151	
FFPE sections on glass slides	Immunohistochemistry to detect the following:	Use of Bond III staining machine H236	JRH
	Smooth muscle	Actin	
	Cytokeratins (pan CK marker)	AE1/3 (multi CK)	
	Alpha 1 feto protein	AFP	
	Anaplastic lymphoma kinase	ALK1	
	Alpha 1 anti-trypsin	Alpha 1AT	
	Racemase (Prostate ca)	AMACR (racemase)	
	Amyloid A	Amyloid A	
	Amyloid P component	Amyloid P	
	Lymphoma panel	Annexin	
	Androgen receptor	Androgen receptor	
	BRCA1-Associated Protein, Skin	BAP-1	
	Lymphoma panel	Bcl-2	
	Lymphoma panel	Bcl-6	
	Epithelial cell types	BerEP4	
	Epithelial cells	Beta catienin	
	B-Cells	BOB-1	



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HUMAN TISSUES (cont'd)	<u>Histopathology</u> (cont'd) Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	JRH
FFPE sections on glass slides	Immunohistochemistry to detect the following:	Use of Bond III staining machine H236	
	C-myc protein	C Myc	
	Renal cell carcinoma	Ca1X	
	Ovarian marker	CA125	
	Pancreatic marker	CA19.9	
	C cell Thyroid	Calcitonin	
	Smooth muscle cells	Caldesmon	
	Smooth Muscle cells	Calponin	
	Mesothelioma	Calretinin	
	Calreticulin mutation	CALR	
	Xp11.2 translocation RCC	Cathepsin K	
	Lymphoma panel	CD10	
	Lymphoma panel	CD14	
	Hogkin lymphoma	CD15	
	B Cell	CD19	
	Lymphoma panel	CD123	
	Plasma cells	CD138	
	Monocytes and macrophages	CD163	
	Langerhans cells	CD1a	



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HUMAN TISSUES (cont'd)	<u>Histopathology</u> (cont'd) Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	JRH
FFPE sections on glass slides (cont'd)	Immunohistochemistry to detect the following: (cont'd)	Use of Bond III staining machine H236	
	T cells	CD2	
	B cells	CD20	
	Follicular dendritic cells	CD21	
	Follicular dendritic cells	CD23	
	T cells	CD3	
	Hogkin lymphoma	CD30	
	Endothelial cells	CD31	
	Endothelial cells	CD34	
	T cells	CD4	
	T cells	CD43	
	Leucocytes	CD45 (Leucocyte common antigen)	
	T cells	CD5	
	Neuroendocrine cells and natural killer cells	CD56	
	Platelets megakaryocytes	CD61	
	T cell	CD7	
	B Cells	CD79a	
	T Cells	CD8	
	Ewings sarcoma	CD99	



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HUMAN TISSUES (cont'd)	<u>Histopathology</u> (cont'd) Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	JRH
FFPE sections on glass slides (cont'd)	Immunohistochemistry to detect the following: (cont'd)	<u>Immunohistochemistry</u>	
	Colonic epithelial cells	CDX2	
	Epithelia cells	CEA Carcino embryonic antigen)	
	Neuroendocrine cells	Chromogranin	
	High molecular weight cytokeratins	CK5	
	Low molecular weight cytokeratins	CK7	
	High molecular weight cytokeratins	CK14	
	Epithelial	CK8/18 (Cam 5.2)	
	Epithelial	CK 19	
	Epithelial (gastro)	CK20	
	Epithelial	CK 34βE12	
	Epithelial (gastro)	CK20	
	Epithelial	CK8/18 (Cam 5.2)	
	GIST (Gastrointestinal Stromal Tumour)	C-Kit (CD117)	
	Cytomegalovirus	CMV	
	Mantle cell lymphoma	Cyclin D1	
	Endothelial cells	D240 (podoplanin)	
	Hairy cell leukaemia	DBA.44	



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HUMAN TISSUES (cont'd)	<u>Histopathology</u> (cont'd) Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	JRH
FFPE sections on glass slides (cont'd)	Immunohistochemistry to detect the following: (cont'd)	<u>Immunohistochemistry</u>	
	Smooth/Striated muscle	Desmin	
	GIST (Gastrointestinal Stromal Tumour)	DOG-1	
	Ductal breast carcinoma	E Cadherin	
	Epithelial membrane antigen	EMA	
	ETS-related gene	ERG	
	Oestrogen receptor	ER	
	Blood coagulation factor XIIIa positive cells	Factor 13a	
	Endothelial cells	Factor8 (von Willebrand Factor)	
	Gastrin Hormone	Gastrin	
	Urothelial/ breast carcinoma	Gata 3	
	Gross cystic disease fluid protein-15	GCDPF-15	
	Astrocytoma	GFAP	
	Glucagon Hormone	Glucagon	
	Hepatocellular carcinoma	Glutamine Synthetase	
	Hepatocellular carcinoma/germ cell tumours	Glypican 3	
	Human Chorionic gonadotrophin	HCG	



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FFPE sections on glass slides (cont'd)	Immunohistochemistry to detect the following: (cont'd)	<u>Immunohistochemistry</u>	
	Hepatocyte	He Par 1	
	Muscle specific actin	HHF35	
	Melanoma	HMB45	
	Human papilloma virus	HPV	
	Herpes simplex virus	HSV Type II	
	Immunoglobulin A	IgA	
	Immunoglobulin D	IgD	
	Immunoglobulin G	IgG	
	IgG4 positive cells	IgG4	
	Inhibin	Inhibin	
	INI-expression	INI-1	
	Insulin hormone	Insulin	
	Kappa light chain	Kappa	
	Proliferation	Mib1 (Ki67)	
	Macrophage	KP1 (CD68)	
	Lamda light chain	Lambda	
	Langerhans cells	Langerin	
	Lymphoma panel	LEF-1	



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FFPE sections on glass slides (cont'd)	Immunohistochemistry to detect the following: (cont'd)	<u>Immunohistochemistry</u> (cont'd)	
	Liver fatty acid binding protein	LFABP	
	Lymphoma panel	Lysozyme	
	Mast cell	Mast Cell Tryptase	
	Melanoma / melaniocytes	Melan A	
	Mismatch Repair Protein (MLH1)	MLH 1	
	Intermediate and low molecular weight cytokeratins (broad spectrum)	MNF116	
	Epithelial cells	MOC/31	
	Mismatch Repair Protein (MSH2)	MSH 2	
	Mismatch Repair Protein (MSH6)	MSH 6	
	Lymphoid panel	MUM1	
	Myeloid cells	Myeloperoxidase (MPO)	
	Rhabdomyosarcoma	MYF4	
	Rhabdomyosarcoma	Myo D1	
	Skeletal muscle	Myoglobin	
	Smooth muscle	Myosin (Smooth muscle)	
	Napsin A expression (Novel Aspartic Proteinase)	Napsin A	
	Neurofilament	Neurofilament	



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FFPE sections on glass slides (cont'd)	Immunohistochemistry to detect the following: (cont'd)	<u>Immunohistochemistry</u> (cont'd)	
	Melanoma	NK1C3 /CD63	
	Prostate Carcinoma	NKX3.1	
	Lymphoma	Oct 2	
	Seminoma	Oct 3/4	
	p16 protein expression	P16	
	ΔNp63 protein expression	P40	
	p53 protein expression	p53	
	p63 protein expression	p63	
	Pancreatic hormone	Pancreatic polypeptide	
	Parathyroid cells	Parafibromin	
	Parvo virus	Parvovirus	
	B-cells	PAX5	
	Paired Box (PAX) Transcription factor	PAX8	
	Pneumocystis carini	PCP	
	Macrophage	PGM1 (CD68)	
	Neuroblastoma	PHOX2B	
	Placental alkaline phosphatase	PLAP	
	Membranous glomerulonephritis	PLA2R	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN TISSUES (cont'd)	<u>Histopathology</u> (cont'd) Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	JRH
FFPE sections on glass slides (cont'd)	Immunohistochemistry to detect the following: (cont'd)	<u>Immunohistochemistry</u> (cont'd)	
	Mismatch Repair Protein	PMS2	
	Progesterone receptor	PR	
	Prostate specific antigen	PSA (Polyclonal)	
	Prostatic acid phosphatase	PSAP	
	Prostate Specific Membrane Antigen, prostate carcinoma	PSMA	
	Renal cell carcinoma	R-CC	
	Renin enzyme expression Justglomerular Tumour	Renin	
	Lymphoma panel cells	Ret40f	
	ROS1 mutation, lung	ROS1	
	Neural / melanocytic cells	S100	
	Succinate Dehydrogenase B Subunit defects	SDHB	
	Serotonin-containing cells	Serotonin	
	Somatostatin-containing cells	Somatostatin	
	Melanocytes, melanoma	SOX10	
	Mantle cell lymphoma	SOX11	
	Spirochaete	Spirochaete	
	Solitary fibrous tumour	STAT6	



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HUMAN TISSUES (cont'd)	<u>Histopathology</u> (cont'd) Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	
FFPE sections on glass slides (cont'd)	Immunohistochemistry to detect the following: (cont'd) Simian aids virus (Renal) Neuroendocrine cells Uromodulin Thrombospondin type-1 Domain Containing Protein Lymphoma panel Thyroid Thyroid transcription factor Mesenchymale cells Plasma cells Wilms tumour	<u>Immunohistochemistry</u> (cont'd) SV 40 Synaptophysin Tamm Horsfall protein (THP) THSD7a TdT (339) Thyroglobulin TTF1 Vimentin Vs38 WT1	JRH
FFPE sections on glass slides	In-situ hybridisation to detect the following: Epstein Barr virus Lambda light chain Kappa light chain	<u>In-situ hybridisation</u> Automated using procedures: H236 and Leica Bond III and probes as appropriate: EBER Lambda Kappa	JRH



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HUMAN TISSUES (cont'd)	<u>Histopathology</u> (cont'd) Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	
FFPE sections on glass slides (cont'd)	Immunohistochemistry to detect the following: Human Epidermal growth factor Receptor 2 (Her 2) oncogene Helicobacter pylori Human Herpes Virus - 8 Adenovirus Anaplastic lymphoma kinase (ALK) mutation, lung Complement Factor Oncoprotein LIM-only protein 2 expression, B cell Programmed Death-Ligand 1 expression, lung Polymavirus Xp11.2 translocation Renal Cell Carcinoma Complement factor Complement factor Immunoglobulin A Immunoglobulin G Immunoglobulin M	<u>Immunohistochemistry</u> Use of the Ventana BenchMark ULTRA staining machine H295 and antibodies as appropriate: HER-2 H Pylori HHV-8 Adenovirus ALK D5F3 C4d LMO2 PD-L1 SV40 TFE3 C1Q C3 IgA IgG IgM	



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HUMAN TISSUES (cont'd)	<u>Histopathology</u> (cont'd) Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	
Head and neck tissues	In-situ hybridisation to detect the following: High risk human papilloma virus genotypes	Use of Ventana BenchMark ULTRA Staining Machine, H295 HPV ISH	JRH
Breast and Gastrointestinal tissues	Dual colour, dual hapten brightfield in situ hybridisation (DDISH) to detect: Human Epidermal growth factor Receptor 2 (HER2), breast and gastrointestinal cancers	Use of Ventana BenchMark ULTRA Staining Machine, H295 HER2	
Slides prepared in house as above	Morphological assessment and interpretation/diagnosis	<u>Microscopy (qualitative analysis)</u> Using procedures: CPSOP27 in conjunction with manufacturer's instructions using microscopes Leitz Dialux, Labourlux K, Laborlux S, Orthoplan, Orthomat II, Nikon Eclipse 50i, Ci-L, E200, E400 & E600, Optishot Olympus BH2, BHTU, BH-U, BHS312, BHS313, BX40, BX41, BX50, BX51, BX53 and microscopes listed above	JRH



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<p>HUMAN TISSUES (cont'd)</p> <p>Digital images from slides prepared in house as above</p>	<p><u>Histopathology</u> (cont'd)</p> <p>Examination to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis (cont'd)</p> <p>Morphological assessment and interpretation/diagnosis</p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):</p> <p>Using digital pathology (slide scanners and viewing software):</p> <p>Philips Intellisite Digital Pathology Suite, H307 Use and Maintenance of Philips™ Slide Scanners:</p> <ul style="list-style-type: none"> • Philips UFS Ultra Fast Whole Slide Imaging Scanner • Philips UVS Ultra Versatile Whole Slide Imaging scanner • Philips IMS Image Management and Storage System <p>Slide Scanning Use_and_Maintenance_of _Philips_Slide_Scanners H307</p> <p>Slide Reporting Histodata entry and authorisation using approved equipment IT05</p>	<p>JRH</p>
<p>END</p>			