

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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



Accredited to  
ISO 15189:2022

### University Hospitals of Leicester NHS Trust

Issue No: 011 Issue date: 02 July 2025

Department of Cellular Pathology  
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Leicester Royal Infirmary  
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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
<b>Address:</b> Department of Cellular Pathology Sandringham Building Leicester Royal Infirmary Infirmary Square Leicester LE1 5WW <b>Local contact</b> Diana Cullen	Histology sample preparation and reporting Electron Microscopy sample preparation and reporting Non-Gynaecological Cytology Sample Preparation and Reporting	LRI
<b>Address:</b> Department of Cellular Pathology Glenfield Hospital Groby Road Leicester LE3 9QP <b>Local contact</b> Diana Cullen	Histology sample preparation and reporting	GH
<b>Address:</b> Leicester General Hospital Gwendolen Road Leicester LE5 4PW <b>Local contact</b> Diana Cullen	Sample receipt and transportation	LGH
<b>Address:</b> Robert Kilpatrick Clinical Sciences Building Leicester Royal Infirmary Infirmary Square Leicester LE1 5WW <b>Local contact</b> Diana Cullen	Electron Microscopy analysis	RKCSB
<b>Address:</b> Mohs Lab Dermatology outpatient's department Balmoral building Leicester Royal Infirmary Infirmary Square Leicester LE1 5WW <b>Local contact</b> Diana Cullen	Intraoperative and Mohs Cryotomy and Staining	MOHS



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**Site activities performed away from the locations listed above:**

Location details	Activity
On site mortuary and body store Leicester Royal Infirmary Infirmary Square Leicester LE1 5WW	Storage and release of bodies Retrieval of tissue via post mortem Record keeping (body identification and audit trail)
On site body store Glenfield Hospital Groby Road Leicester LE3 9QP	Storage and release of bodies
On site body store Leicester General Hospital Gwendolen Road Leicester LE5 4PW	Storage and release of bodies



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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	<u>Histopathological examination activities for the purposes of clinical diagnosis</u>	Documented in house methods incorporating manufacturers' instructions where relevant:	
Formalin-fixed tissue and fresh samples	Examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Specimen Dissection	LRI GH
Formalin-fixed tissue		Key SOPs PR3851 Sample Handling and Dissection	
Formalin-fixed tissue		Tissue Processing ThermoShandon Excelsior Tissue processors	LRI
Formalin-fixed tissue		Key SOPs PR3868 Processing of Tissue for Histopathology	
FFPE blocks	Routine morphological staining for the detection of basophilic and eosinophilic structures	Embedding using ThermoScientific Histostar Embedding Centres	LRI
FFPE blocks		Key SOPs PR2969 Production of a Routine H&E Stained Section	
FFPE blocks		Microtomy	LRI
FFPE blocks		Microm Ergostar HM340E and Leica Histocore microtomes	
FFPE slides	Routine morphological staining for the detection of basophilic and eosinophilic structures	Key SOPs PR2969 Production of a Routine H&E Stained Section	
FFPE slides		H&E staining and coverslipping using manual methods and automated stainer	LRI
FFPE slides		DAKO coverstainer Gemini Autostainer	
FFPE slides		Key SOP: PR2969 Production of a Routine H&E Stained Section	



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HUMAN BODY TISSUE (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u>	Documented in house methods incorporating manufacturers' instructions where relevant:	
Fresh/frozen tissue	Intraoperative examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Frozen sections slide production using Leica CM1950 Cryotome  Key Management of Fresh Tissue and Frozen Sections	LRI GH
Frozen sections	Routine morphological staining for the detection of basophilic and eosinophilic structures	Manual H & E Staining  Key SOP PR2963 Management of Fresh Tissue and Frozen Sections	LRI GH
FFPE slides	Special stains for the detection of:	Documented in-house procedures for manual special stains  Key SOP PR3636 Special Stains Procedures	LRI
	Lymphoid cells helicobacteria like organisms	Modified Giemsa	
	Non-acid bacteria	Gram stain	
	Fibrosis, differentiation of muscle and collagen	Martius scarlet blue trichrome (MSB)	
	Leprosy	Modified Ziehl Neelsen	
Frozen Sections	Neutral Lipids	Oil red O	LRI
	Mast cells	Toluidine blue	



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HUMAN BODY TISSUE (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	LRI
FFPE slides		Automated special stains using the Dako Artisan Autostainer PR3636 Special stains procedures	
	Acid mucins	Alcian blue	
	Glycogen, basement membranes, and other PAS-positive structures	Diastase/Alcian blue/Periodic acid Schiff (PAS)	
	Glycogen, basement membranes, and other PAS-positive structures	Diastase / Periodic acid Schiff (PASD)	
	Reticulin	Gordon and Sweets	
	Fungi including pneumocystis	Grocotts	
	Amyloid	Puchtler's Congo red	
	Basement membranes	Jones' methenamine silver	
	Acid fast bacilli	Ziehl Neelsen	
	Fibrosis, differentiation of muscle and collagen	Martius scarlet blue trichrome (MSB)	
	Fibrosis, differentiation of muscle and collagen	Massons trichrome	
	Elastin	Millers/Van Gieson (EVG)	
	Hep B surface antigen Detection of copper-associated protein	Orcein (Shikatas method)	
	Haemosiderin and asbestos bodies	Perls prussian blue	
	Spirochetes	Warthin Faulkner	



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HUMAN BODY TISSUE (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u>	Documented in house methods incorporating manufacturers' instructions where relevant:	
	<u>Examination of tissues to identify or exclude enzymatic abnormalities for the purpose of diagnosis</u>	Microscopic examination	LRI
Rectal biopsies frozen slides	Detection of ganglion cells	Manual Enzyme Histochemistry method – PR3635 Handling Rectal Biopsies for Hirschsprungs Disease	LRI
FFPE slides	<u>Immunohistochemistry to detect the following:</u>	Automated Immunohistochemical staining using DAKO Envision Flex Autostainers	LRI
	Lymphoma/Carcinoma	Bcl 2	
	B Cells	BOB-1	
	Complement (renal disease)	C4d	
	Thyroid disease	Calcitonin	
	Smooth muscle and sarcoma	Caldesmon	
	Calponin (calcium binding protein (Vascular and peripheral smooth muscle; other contractile cells)	Calponin	
	Neuroanatomical marker	Calretinin	
	Gastrointestinal tumours/Pancreas	CA19.9	
	Histiocytes/Langerhan cell	CD 1a	
	Pan T-lymphocytes	CD 2	



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HUMAN BODY TISSUE (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	LRI
FFPE slides (Formalin fixed paraffin embedded) (cont'd)	<u>Immunohistochemistry to detect the following</u> (cont'd):	Automated Immunohistochemical staining using DAKO Envision Flex Autostainers	
		Key SOP: PR3069 Immunohistochemistry Procedures	
	Differentiation of carcinoids and metastatic adenocarcinomas	CD X2	
	T-cell subset	CD 4	
	Pan T-cell marker	CD 5	
	T-cell subset	CD 8	
	Renal carcinoma/Lymphoma	CD 10 (calla)	
	CD11 antigen	CD 11	
	Reed Sterberg and other cell types	CD 15 (IeuM1)	
	B cell	CD 19	
	Antigen of B Lymphocytes	CD 20 (L26)	
	Lymphomas	CD 25	
	Endothelial marker	CD 31 (PECAM)	
	Stem cell/endothelium sarcoma	CD 34 (Qbend 10)	
	Dendritic cell marker	CD35	
	Pan T-cell marker	CD 43 (MT1)	
	Pan Leukocyte marker (T&B)	CD 45 (LCA)	
	Nerve and neuroendocrine cells	CD 56 (NCAM)	



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<p>HUMAN BODY TISSUE (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded) (cont'd)</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)</p> <p><u>Immunohistochemistry to detect the following</u> (cont'd):</p> <p>NK cells, neuroendocrine cells</p> <p>Macrophages and mononuclear cells</p> <p>Useful for identification of B-cell lymphomas</p> <p>Ewings sarcoma</p> <p>Lymphoma/Plasmacytoma</p> <p>GI carcinoma</p> <p>Smooth and striated muscle cells</p> <p>Lymphatic endothelium</p> <p>Distinguish lobular from ductal carcinoma</p> <p>Epstein-Barr virus</p> <p>Breast carcinoma</p> <p>Activated human cytotoxic T lymphocytes (CTL) and natural killer (NK) cells</p> <p>Melanocytes (Melanoma)</p> <p>Detection of HPV-infected cells</p>	<p>Documented in house methods incorporating manufacturers' instructions where relevant:</p> <p>Automated Immunohistochemical staining using DAKO Envision Flex Autostainers</p> <p>Key SOP: PR3069 Immunohistochemistry Procedures</p> <p>CD 57</p> <p>CD 68 (PGM1)</p> <p>CD 79a</p> <p>CD 99 (mic2)</p> <p>CD 138</p> <p>CEA</p> <p>Desmin</p> <p>D2-40 (Podoplanin)</p> <p>E-Cadherin</p> <p>EBV</p> <p>GCDFP-15</p> <p>Granzyme B</p> <p>HMB 45</p> <p>HPV</p>	LRI





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HUMAN BODY TISSUE (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	LRI
FFPE slides (Formalin fixed paraffin embedded) (cont'd)	<u>Immunohistochemistry to detect the following:</u> (cont'd)	Automated Immunohistochemical staining using DAKO Envision Flex Autostainers	
		Key SOP: PR3069 Immunohistochemistry Procedures	
	Immunoglobulin M	IgM	
	Immunoglobulin G4	IgG4	
	Melanocytes	Melan-A	
	Germ cell tumours	Oct 3/4	
	Nuclei of tumour cells. A cell growth regulator. Used in conjunction with P53.	P21	
	PD-L1 protein expression in NSCLC	PD-L1 (clone 22C3)	
	Progesterone receptor expression in tumours	Progesterone Receptor (PR)	
	Smooth muscle myosin	SMM	
	BKV infected cells	SV40	
	Immature T cells	TdT	
	Nuclear Protein in Lung and Thyroid	TTF-1	
	Tumour marker Wilms	WT1	
	Epidermal differentiation	AE1/AE3	



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<p>HUMAN BODY TISSUE (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded) (cont'd)</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)</p> <p><u>Immunohistochemistry to detect the following:</u> (cont'd)</p> <p>Embryonic cell in normal tissues and germ tumours</p> <p>Identification of anaplastic large cell lymphomas</p> <p>Prostate adenocarcinoma</p> <p>Malignant mesothelioma</p> <p>Amyloid</p> <p>Cytoplasmic protein</p> <p>Lymphoma/Carcinoma</p> <p>Lymphomas</p> <p>Epithelial cells</p> <p>Complement (renal disease)</p> <p>GI Tumours/Pancreas</p> <p>Ovarian Tumour</p> <p>Thyroid disease</p> <p>Smooth muscle and sarcoma</p>	<p>Documented in house methods incorporating manufacturers' instructions where relevant:</p> <p>Automated Immunohistochemical staining using Agilent DAKO OMNIS stainer:</p> <p>Key SOP: PR3069 Immunohistochemistry Procedures</p> <p>α-Feto protein</p> <p>Alk1</p> <p>p504s (AMACR)</p> <p>BAP-1</p> <p>β- Amyloid Precursor Protein</p> <p>β - Catenin</p> <p>Bcl-2</p> <p>Bcl-6</p> <p>BerEp4</p> <p>C4d</p> <p>CA19.9</p> <p>CA 125</p> <p>Calcitonin</p> <p>Caldesmon</p>	LRI



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HUMAN BODY TISSUE AND FLUIDS  FFPE slides (Formalin fixed paraffin embedded) (cont'd)	<u>Histopathological examination of tissues for the purpose of diagnosis</u> (cont'd):  <u>Immunohistochemistry to detect the following</u> (cont'd):  Calponin (calcium binding) protein (Vascular & peripheral smooth muscle; other contractile cells)  Neuroanatomical marker  Epithelial cell marker  Renal carcinoma/Lymphoma  CD11 antigen  Lymphoma/Plasmacytoma  Reed Sterberg and other cell types  B cells  Histiocytes/Langerhan cells  Pan T-lymphocytes  Antigen of B Lymphocytes  Follicular dendritic cells  Aid in the classification of Lymphoma  Lymphomas  T Antigen on Lymphocytes	Documented in house methods incorporating manufacturers' instructions where relevant:  Automated Immunohistochemical staining using Agilent DAKO OMNIS stainer:  Key SOP: PR3069  Calponin  Calretinin  Cam 5.2  CD 10 (calla)  CD 11  CD 138  CD 15 (leuM1)  CD 19  CD 1a  CD 2  CD 20 (L26)  CD 21  CD 23  CD 25  CD 3	LRI



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination of tissues for the purpose of diagnosis</u> (cont'd):	Documented in house methods incorporating manufacturers' instructions where relevant:	LRI
FFPE slides (Formalin fixed paraffin embedded) (cont'd)	<u>Immunohistochemistry to detect the following</u> (cont'd):	Automated Immunohistochemical staining using Agilent DAKO OMNIS stainer:	
		Key SOP: PR3069	
	Reed Sterberg cells	CD 30 (Ber H2)	
	Endothelial marker	CD 31 (PECAM)	
	Stem cell/endothelium sarcoma	CD 34 (Qbend 10)	
	Dendritic cell marker	CD 35	
	T-cell subset	CD 4	
	Pan T-cell marker	CD 43 (MT1)	
	Pan Leukocyte marker (T&B)	CD 45 (LCA)	
	Pan T-cell marker	CD 5	
	Nerve and neuroendocrine cells	CD 56 (NCAM)	
	NK cells, neuroendocrine cells	CD 57	
	Megakaryocytes in trephines	CD 61	
	Macrophages and mononuclear cells	CD 68 (PGM1 )	
	T-cell marker	CD 7	
	Useful for identification of B-cell lymphomas	CD 79a	
	T-cell subset	CD 8	
	Ewings sarcoma	CD 99 (mic2)	



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded) (cont'd)</p>	<p><u>Histopathological examination of tissues for the purpose of diagnosis</u> (cont'd):</p> <p><u>Immunohistochemistry to detect the following</u> (cont'd):</p> <p>Differentiation of carcinoids and metastatic adenocarcinoma</p> <p>Neuroendocrine</p> <p>Demonstration of cytokeratins</p> <p>T-cell marker</p> <p>GIST Tumours</p> <p>Cytomegalovirus</p> <p>C-Myc Oncogene protein</p> <p>Mantle cell lymphoma</p> <p>Lymphatic endothelium</p> <p>Smooth and striated muscle cells</p> <p>GIST</p> <p>Distinguish lobular from ductal carcinoma</p> <p>Protein in epithelial cells</p>	<p>Documented in house methods incorporating manufacturers' instructions where relevant:</p> <p>Automated Immunohistochemical staining using Agilent DAKO OMNIS stainer:</p> <p>Key SOP: PR3069</p> <p>CD X2</p> <p>Chromogranin A</p> <p>CK 14</p> <p>CK 19</p> <p>CK 5/6</p> <p>CK 20</p> <p>CD 7</p> <p>C Kit</p> <p>CMV</p> <p>C-Myc</p> <p>Cyclin D1</p> <p>D2-40 (Podoplanin)</p> <p>Desmin</p> <p>DOG-1</p> <p>E-Cadherin</p> <p>EMA</p>	LRI



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded) (cont'd)</p>	<p><u>Histopathological examination of tissues for the purpose of diagnosis</u> (cont'd):</p> <p><u>Immunohistochemistry to detect the following</u> (cont'd):</p> <p>Oestrogen receptors</p> <p>Endothelial cells and megakaryocytes</p> <p>Urothelial Carcinoma</p> <p>Glial fibrillary acidic protein</p> <p>Intrinsic membrane protein of erythrocytes</p> <p>Mesothelial marker</p> <p>Human chronic gonadotrophin</p> <p>Identification of hairy cell leukaemia and lymphomas</p> <p>Demonstration of hepatocytes (including hepatocellular carcinoma)</p> <p>Melanocytes (Melanoma)</p> <p>Detection of HPV infected cells</p> <p>Detection of HSV in human cells</p> <p>Carcinoma vs Germ cell tumour</p> <p>Kappa light chains</p>	<p>Documented in house methods incorporating manufacturers' instructions where relevant:</p> <p>Automated Immunohistochemical staining using Agilent DAKO OMNIS stainer:</p> <p>Key SOP: PR3069</p> <p>ER</p> <p>Factor 8</p> <p>GATA 3</p> <p>GFAP</p> <p>Glycophorin A</p> <p>HBME-1</p> <p>HCG</p> <p>HCL</p> <p>Hepatocyte (Hepar-1)</p> <p>HMB 45</p> <p>HPV</p> <p>HSV</p> <p>Inhibin <math>\alpha</math></p> <p>Kappa</p>	LRI



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded) (cont'd)</p>	<p><u>Histopathological examination of tissues for the purpose of diagnosis</u> (cont'd):</p> <p><u>Immunohistochemistry to detect the following</u> (cont'd):</p> <p>Lambda light chains</p> <p>Myeloid leukaemia</p> <p>Melanocytes</p> <p>Proliferating cells</p> <p>MLH1 mismatch repair protein</p> <p>Pan-cytokeratin</p> <p>MSH2 mismatch repair protein</p> <p>MSH6 mismatch repair protein</p> <p>B cell marker used to aid classification of lymphomas</p> <p>Myeloperoxidase-positive cells i</p> <p>Reserve oxygen supply (muscles)</p> <p>Skeletal muscle – classification of rhabdosarcomas / Wilms tumour</p>	<p>Documented in house methods incorporating manufacturers' instructions where relevant:</p> <p>Automated Immunohistochemical staining using Agilent DAKO OMNIS stainer:</p> <p>Key SOP: PR3069</p> <p>Lambda</p> <p>Muramidase (lysozyme)</p> <p>Melan-a</p> <p>Ki67 (Mib 1)</p> <p>MLH1</p> <p>MNF116</p> <p>MSH2</p> <p>MSH6</p> <p>MUM-1 (IRF4)</p> <p>Myeloperoxidase</p> <p>Myoglobin</p> <p>Myogenin/Myf 4</p>	LRI



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded) (cont'd)</p>	<p><u>Histopathological examination of tissues for the purpose of diagnosis</u> (cont'd):</p> <p><u>Immunohistochemistry to detect the following</u> (cont'd):</p> <p>Neuronal cells, Merkel cell tumour of skin, pancreatic endocrine neoplasm, carcinoid tumour and parathyroid tumour</p> <p>B-Cell marker</p> <p>Germ cell tumours</p> <p>Ovarian cancer/HPV</p> <p>Cell proliferation marker</p> <p>Beckwith-Wiedemann syndrome (BWS)</p> <p>Tumour suppressor gene</p> <p>B Cell Marker</p> <p>Lymphoma/Thyroid disease</p> <p>PD-L1 protein expression in NSCLC</p> <p>Enzyme produced by trophoblasts</p> <p>PMS2 mismatch repair protein</p> <p>Marker for prostatic carcinoma</p> <p>Used to aid classification metastatic prostate carcinoma</p>	<p>Documented in house methods incorporating manufacturers' instructions where relevant:</p> <p>Automated Immunohistochemical staining using Agilent DAKO OMNIS stainer:</p> <p>Key SOP: PR3069</p> <p>Neurofilament</p> <p>Oct-2</p> <p>Oct-3/4</p> <p>P16</p> <p>P53</p> <p>P57</p> <p>P63</p> <p>PAX5-BSAP</p> <p>Pax 8</p> <p>PD-L1 (clone 22C3)</p> <p>PLAP</p> <p>PMS2</p> <p>PSA</p> <p>PSAP</p>	LRI





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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded) (cont'd)</p>	<p><u>Histopathological examination of tissues for the purpose of diagnosis</u> (cont'd):</p> <p><u>Immunohistochemistry to detect the following</u> (cont'd):</p> <p>Renal carcinoma marker</p> <p>Schwann cells, nerve processes, S100 positive neoplasm</p> <p>Smooth muscle actin</p> <p>Melanoma</p> <p>Solitary fibrous tumours</p> <p>Neuroendocrine neoplasms</p> <p>β TCR bearing T lymphocytes</p> <p>Immature T cells</p> <p>Well differentiated thyroid carcinomas</p> <p>Involved in apoptosis</p> <p>Nuclear Protein in Lung and Thyroid</p> <p>Identification of basement membranes</p> <p>Tumours of urothelial origin</p>	<p>Documented in house methods incorporating manufacturers' instructions where relevant:</p> <p>Automated Immunohistochemical staining using Agilent DAKO OMNIS stainer:</p> <p>Key SOP: PR3069</p> <p>Renal Cell Carcinoma</p> <p>S100</p> <p>SMA</p> <p>SOX-10</p> <p>STAT-6</p> <p>Synaptophysin</p> <p>TCR-β</p> <p>TdT</p> <p>Thyroglobulin</p> <p>TIA-1</p> <p>TTF-1</p> <p>Type 4 Collagen</p> <p>Uroplakin II</p>	LRI



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination of tissues for the purpose of diagnosis (cont'd):</u>	Documented in house methods incorporating manufacturers' instructions where relevant:	LRI
FFPE slides (Formalin fixed paraffin embedded) (cont'd)	<u>Immunohistochemistry to detect the following (cont'd):</u>	Automated Immunohistochemical staining using Agilent DAKO OMNIS stainer:  Key SOP: PR3069	
	Filaments in mesenchymal cells	Vimentin	
	Tumour marker Wilms	WT1	
FFPE slides (Formalin fixed paraffin embedded)	<u>Immunohistochemistry to detect the following:</u>	Automated Immunohistochemical staining using Roche Ventana Benchmark Ultra  Key SOP: PR3069 Immunohistochemistry Procedures	MOHS
	HER2 amplification in breast and gastric tumours	Her 2 (Clone 4b5)	
Fresh Frozen tissue	Basophilic and Eosinophilic tissue structures	Frozen sections (intraoperative and Mohs) using Leica CM1950 Sectioning Cryostat and Myr autostainer H & E staining using: documented in house procedure – PR2963	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination of tissues for the purpose of diagnosis (cont'd)</u>	Documented in house methods incorporating manufacturers' instructions where relevant:	
FFPE Slides	Detection of: EBV Kappa Light Chains Lambda Light Chains	Automated chromogenic In-situ hybridisation staining on the Roche Ventana Benchmark, Key SOP PR3527 Chromogenic In Situ Hybridisation	LRI
FFPE slides	HER-2 amplification in breast and gastric tumours	Automated fluorescence in-situ hybridisation staining on the Agilent Dako OMNIS PR2970	LRI
Slides prepared as above	Morphological assessment and interpretation/diagnosis	Interpretive microscopy: Microscopes: Leica DM2000 Nikon Microscopes Olympus Microscopes Key SOPs PR3850 Reporting of Cellular Pathology Samples	LRI GH
Tissue, fluids	<u>Electron Microscopy examinations to assist in detection of clinical abnormalities</u>	In house documented procedure & manufacturer's instructions using	LRI
		Tissue processing and embedding Leica EM TP Tissue processor, Gen lab oven, MSE Microfuges Key SOP PR2968 Electron Microscopy	
		Tissue sectioning for light and electron microscopy using Leica EM UC6 and UC7 microtomes Key SOPs PR2968 Electron Microscopy	
	Demonstration of general tissue architecture	Tissue staining for light microscopy manual methods -Toluidine blue PR2968 Electron microscopy	



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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)	<u>Electron Microscopy examinations to assist in detection of clinical abnormalities</u> (cont'd):	Documented in house methods incorporating manufacturers' instructions where relevant:	
	Contrast enhancement of tissue architecture of ultrathin sections	Contrast enhancement; -manual methods and microscopy:- Neodymium (III) Acetate and Reynold Lead Citrate Key SOP PR2968 Electron Microscopy	LRI
	Detection of abnormal cells	Electron microscopic analysis using Jeol 1400 Electron Microscopes Key SOP PR2968 Electron Microscopy	RKCSB



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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)	<u>Non-Gynaecological (Diagnostic) Cytopathology</u> <u>Preparation and screening for detection or exclusion of pathological abnormalities</u>	Macroscopic and Microscopic examination:  Documented in house methods incorporating manufacturers' instructions where relevant:	
Systemic body fluid samples	Examination of fluids in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Sample preparation using Leica Autostainer XL staining machine for Papanicolaou Staining Heraeus Megafuge centrifuge Thermo Shandon cytospin Bioquell Class 1 safety cabinet Leica Microscopes  Manual stain – Romanowsky  PR3068 Preparation of Non-Gynaecological Cytology Samples	LRI
FNA	Examination of fluids in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Manual - Diff Quick rapid Romanowsky stain using PR3068 Preparation of Non-Gynaecological Cytology Samples	LRI
Slides prepared as above	Morphological assessment and interpretation/diagnosis	Interpretive microscopy using Leica microscopes Key SOP PR3850 Reporting of Cellular Pathology Samples	LRI
END			