

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 8608</p> <p>Accredited to ISO 15189:2022</p>	<h3>University Hospitals of Leicester NHS Trust</h3> <p>Issue No: 014 Issue date: 21 November 2025</p>	
	<p>Department of Cellular Pathology Sandringham Building Leicester Royal Infirmary Infirmary Square Leicester LE1 5WW</p>	<p>Contact: Diana Cullen Tel: +44 (0) 116 258 6591 E-Mail: diana.cullen@nhs.net Website: http://www.leicestershospitals.nhs.uk</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
<p>Address: Department of Cellular Pathology Sandringham Building Leicester Royal Infirmary Infirmary Square Leicester LE1 5WW</p> <p>Local contact Diana Cullen</p>	<p>Histology sample preparation and reporting Electron Microscopy sample preparation and reporting Non-Gynaecological Cytology Sample Preparation and Reporting</p>	LRI
<p>Address: Department of Cellular Pathology Glenfield Hospital Groby Road Leicester LE3 9QP</p> <p>Local contact Diana Cullen</p>	<p>Histology sample preparation and reporting</p>	GH
<p>Address: Leicester General Hospital Gwendolen Road Leicester LE5 4PW</p> <p>Local contact Diana Cullen</p>	<p>Sample receipt and transportation</p>	LGH
<p>Address: Robert Kilpatrick Clinical Sciences Building Leicester Royal Infirmary Infirmary Square Leicester LE1 5WW</p> <p>Local contact Diana Cullen</p>	<p>Electron Microscopy analysis</p>	RKCSB
<p>Address: Mohs Lab Dermatology outpatient's department Balmoral building Leicester Royal Infirmary Infirmary Square Leicester LE1 5WW</p> <p>Local contact Diana Cullen</p>	<p>Intraoperative and Mohs Cryotomy and Staining</p>	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	
		Tissue Processing EpreDia Excelsior Tissue processors	LRI GH
		Key SOPs PR3868 Processing of Tissue for Histopathology	
Formalin-fixed tissue		Embedding using EpreDia Histostar Embedding Centres	LRI GH
		Key SOPs PR2969 Production of a Routine H&E Stained Section	
FFPE blocks		Microtomy	LRI GH
		EpreDia Ergostar HM340E and Leica Histocore microtomes	
		Key SOPs 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</u> (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant	
FFPE slides	Routine morphological staining for the detection of basophilic and eosinophilic structures	H&E staining and coverslipping using manual methods and automated stainer DAKO coverstainer Gemini Autostainer Key SOP: PR2969 Production of a Routine H&E Stained Section	LRI
Fresh/frozen tissue	Intraoperative examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Automated H&E staining and coverslipping using Leica Histocore Spectra stainer and coverslipper PR2969 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



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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	
FFPE slides	Special stains for the detection of:	Documented in-house procedures for manual special stains Key SOP PR3636 Special Stains Procedures	LRI
FFPE slides	Lymphoid cells helicobacteria like organisms	Modified Giemsa	LRI
FFPE slides	Non-acid bacteria	Gram stain	LRI
FFPE slides	Fibrosis, differentiation of muscle and collagen	Martius scarlet blue trichrome (MSB)	LRI
FFPE slides	Leprosy	Modified Ziehl Neelsen	LRI
Frozen Sections	Neutral Lipids	Oil red O	LRI
FFPE slides	Mast cells	Toluidine blue	LRI
FFPE slides		Automated special stains using the Dako Artisan Autostainer PR3636 Special stains procedures	LRI
FFPE slides	Acid mucins	Alcian blue	LRI
FFPE slides	Glycogen, basement membranes, and other PAS-positive structures	Diastase/Alcian blue/Periodic acid Schiff (PAS)	LRI
FFPE slides	Glycogen, basement membranes, and other PAS-positive structures	Diastase / Periodic acid Schiff (PASD)	LRI
FFPE slides	Reticulin	Gordon and Sweets	LRI
FFPE slides	Fungi including pneumocystis	Grocotts	LRI
FFPE slides	Amyloid	Puchtler's Congo red	LRI
FFPE slides	Basement membranes	Jones' methenamine silver	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:	
FFPE slides (cont'd)		Automated special stains using the Dako Artisan Autostainer PR3636 Special stains procedures (cont'd)	LRI
FFPE slides	Acid fast bacilli	Ziehl Neelsen	LRI
FFPE slides	Fibrosis, differentiation of muscle and collagen	Martius Scarlet Blue trichrome (MSB)	LRI
FFPE slides	Fibrosis, differentiation of muscle and collagen	Masson's trichrome	LRI
FFPE slides	Elastin	Millers/Van Gieson (EVG)	LRI
FFPE slides	Hep B surface antigen Detection of copper-associated protein	Orcein (Shikata's method)	LRI
FFPE slides	Haemosiderin and asbestos bodies	Perls' Prussian blue	LRI
FFPE slides	Spirochetes	Warthin Faulkner	LRI



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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
		Key SOP: PR3069 Immunohistochemistry Procedures	
FFPE slides	Lymphoma/Carcinoma	Bcl 2	LRI
FFPE slides	B Cells	BOB-1	LRI
FFPE slides	Complement (renal disease)	C4d	LRI
FFPE slides	Thyroid disease	Calcitonin	LRI
FFPE slides	Smooth muscle and sarcoma	Caldesmon	LRI
FFPE slides	Calponin (calcium building) protein (Vascular and peripheral smooth muscle; other contractile cells)	Calponin	LRI
FFPE slides	Neuroanatomical marker	Calretinin	LRI
FFPE slides	Gastrointestinal tumours/Pancreas	CA19.9	LRI
FFPE slides	Histiocytes/Langerhan cell	CD 1a	LRI
FFPE slides	Pan T-lymphocytes	CD 2	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:	
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	LRI
FFPE slides	Differentiation of carcinoids and metastatic adenocarcinomas	CD X2	LRI
FFPE slides	T-cell subset	CD 4	LRI
FFPE slides	Pan T-cell marker	CD 5	LRI
FFPE slides	T-cell subset	CD 8	LRI
FFPE slides	Renal carcinoma/Lymphoma	CD 10 (calla)	LRI
FFPE slides	CD11 antigen	CD 11	LRI
FFPE slides	Reed Sterberg and other cell types	CD 15 (leuM1)	LRI
FFPE slides	B cell	CD 19	LRI
FFPE slides	Antigen of B Lymphocytes	CD 20 (L26)	LRI
FFPE slides	Lymphomas	CD 25	LRI
FFPE slides	Endothelial marker	CD 31 (PECAM)	LRI
FFPE slides	Stem cell/endothelium sarcoma	CD 34 (Qbend 10)	LRI
FFPE slides	Dendritic cell marker	CD35	LRI
FFPE slides	Pan T-cell marker	CD 43 (MT1)	LRI
FFPE slides	Pan Leukocyte marker (T&B)	CD 45 (LCA)	LRI
FFPE slides	Nerve and neuroendocrine cells	CD 56 (NCAM)	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:	
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	LRI
FFPE slides	NK cells, neuroendocrine cells	CD 57	LRI
FFPE slides	Macrophages and mononuclear cells	CD 68 (PGM1)	LRI
FFPE slides	Useful for identification of B-cell lymphomas	CD 79a	LRI
FFPE slides	Ewings sarcoma	CD 99 (mic2)	LRI
FFPE slides	Lymphoma/Plasmacytoma	CD 138	LRI
FFPE slides	GI carcinoma	CEA	LRI
FFPE slides	Smooth and striated muscle cells	Desmin	LRI
FFPE slides	Lymphatic endothelium	D2-40 (Podoplanin)	LRI
FFPE slides	Distinguish lobular from ductal carcinoma	E-Cadherin	LRI
FFPE slides	Epstein-Barr virus	EBV	LRI
FFPE slides	Breast carcinoma	GCDFP-15	LRI
FFPE slides	Activated human cytotoxic T lymphocytes (CTL) and natural killer (NK) cells	Granzyme B	LRI
FFPE slides	Melanocytes (Melanoma)	HMB 45	LRI
FFPE slides	Detection of HPV-infected cells	HPV	LRI



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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	LRI
FFPE slides	Immunoglobulin M	IgM	LRI
FFPE slides	Immunoglobulin G4	IgG4	LRI
FFPE slides	Melanocytes	Melan-A	LRI
FFPE slides	Germ cell tumours	Oct 3/4	LRI
FFPE slides	Nuclei of tumour cells. A cell growth regulator. Used in conjunction with P53.	P21	LRI
FFPE slides	PD-L1 protein expression in NSCLC	PD-L1 (clone 22C3)	LRI
FFPE slides	Progesterone receptor expression in tumours	Progesterone Receptor (PR)	LRI
FFPE slides	Smooth muscle myosin	SMM	LRI
FFPE slides	BKV infected cells	SV40	LRI
FFPE slides	Immature T cells	TdT	LRI
FFPE slides	Nuclear Protein in Lung and Thyroid	TTF-1	LRI
FFPE slides	Tumour marker Wilms	WT1	LRI



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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 Immunohistochemistry Procedures	LRI
FFPE slides	Epidermal differentiation	AE1/AE3	LRI
FFPE slides	Embryonic cell in normal tissues and germ tumours	α -Feto protein	LRI
FFPE slides	Identification of anaplastic large cell lymphomas	Alk1	LRI
FFPE slides	Prostate adenocarcinoma	p504s (AMACR)	LRI
FFPE slides	Malignant mesothelioma	BAP-1	LRI
FFPE slides	Amyloid	β - Amyloid Precursor Protein	LRI
FFPE slides	Cytoplasmic protein	β - Catenin	LRI
FFPE slides	Lymphoma/Carcinoma	Bcl-2	LRI
FFPE slides	Lymphomas	Bcl-6	LRI
FFPE slides	Epithelial cells	BerEp4	LRI
FFPE slides	Complement (renal disease)	C4d	LRI
FFPE slides	GI Tumours/Pancreas	CA19.9	LRI
FFPE slides	Ovarian Tumour	CA 125	LRI
FFPE slides	Thyroid disease	Calcitonin	LRI
FFPE slides	Smooth muscle and sarcoma	Caldesmon	LRI



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



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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	LRI
FFPE slides	Reed Sterberg cells	CD 30 (Ber H2)	LRI
FFPE slides	Endothelial marker	CD 31 (PECAM)	LRI
FFPE slides	Stem cell/endothelium sarcoma	CD 34 (Qbend 10)	LRI
FFPE slides	Dendritic cell marker	CD 35	LRI
FFPE slides	T-cell subset	CD 4	LRI
FFPE slides	Pan T-cell marker	CD 43 (MT1)	LRI
FFPE slides	Pan Leukocyte marker (T&B)	CD 45 (LCA)	LRI
FFPE slides	Pan T-cell marker	CD 5	LRI
FFPE slides	Nerve and neuroendocrine cells	CD 56 (NCAM)	LRI
FFPE slides	NK cells, neuroendocrine cells	CD 57	LRI
FFPE slides	Megakaryocytes in trephines	CD 61	LRI
FFPE slides	Macrophages and mononuclear cells	CD 68 (PGM1)	LRI
FFPE slides	T-cell marker	CD 7	LRI
FFPE slides	Useful for identification of B-cell lymphomas	CD 79a	LRI
FFPE slides	T-cell subset	CD 8	LRI
FFPE slides	Ewings sarcoma	CD 99 (mic2)	LRI



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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	LRI
FFPE slides	Differentiation of carcinoids and metastatic adenocarcinoma	CD X2	LRI
FFPE slides	Neuroendocrine	Chromogranin A	LRI
FFPE slides	Demonstration of cytokeratins	CK 14	LRI
		CK 19	LRI
		CK 5/6	LRI
		CK 20	LRI
FFPE slides	T-cell marker	CD 7	LRI
FFPE slides	GIST Tumours	C Kit	LRI
FFPE slides	Cytomegalovirus	CMV	LRI
FFPE slides	C-Myc Oncogene protein	C-Myc	LRI
FFPE slides	Mantle cell lymphoma	Cyclin D1	LRI
FFPE slides	Lymphatic endothelium	D2-40 (Podoplanin)	LRI
FFPE slides	Smooth and striated muscle cells	Desmin	LRI
FFPE slides	GIST	DOG-1	LRI
FFPE slides	Distinguish lobular from ductal carcinoma	E-Cadherin	LRI
FFPE slides	Protein in epithelial cells	EMA	LRI



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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	LRI
FFPE slides	Oestrogen receptors	ER	LRI
FFPE slides	Endothelial cells and megakaryocytes	Factor 8	LRI
FFPE slides	Urothelial Carcinoma	GATA 3	LRI
FFPE slides	Glial fibrillary acidic protein	GFAP	LRI
FFPE slides	Intrinsic membrane protein of erythrocytes	Glycophorin A	LRI
FFPE slides	Mesothelial marker	HBME-1	LRI
FFPE slides	Human chronic gonadotrophin	HCG	LRI
FFPE slides	Identification of hairy cell leukaemia and lymphomas	HCL	LRI
FFPE slides	Demonstration of hepatocytes (including hepatocellular carcinoma)	Hepatocyte (Hepar-1)	LRI
FFPE slides	Melanocytes (Melanoma)	HMB 45	LRI
FFPE slides	Detection of HPV infected cells	HPV	LRI
FFPE slides	Detection of HSV in human cells	HSV	LRI
FFPE slides	Carcinoma vs Germ cell tumour	Inhibin α	LRI
FFPE slides	Kappa light chains	Kappa	LRI



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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	LRI
FFPE slides	Lambda light chains	Lambda	LRI
FFPE slides	Myeloid leukaemia	Muramidase (lysozyme)	LRI
FFPE slides	Melanocytes	Melan-a	LRI
FFPE slides	Proliferating cells	Ki67 (Mib 1)	LRI
FFPE slides	MLH1 mismatch repair protein	MLH1	LRI
FFPE slides	Pan-cytokeratin	MNF116	LRI
FFPE slides	MSH2 mismatch repair protein	MSH2	LRI
FFPE slides	MSH6 mismatch repair protein	MSH6	LRI
FFPE slides	B cell marker used to aid classification of lymphomas	MUM-1 (IRF4)	LRI
FFPE slides	Myeloperoxidase-positive cells i	Myeloperoxidase	LRI
FFPE slides	Reserve oxygen supply (muscles)	Myoglobin	LRI
FFPE slides	Skeletal muscle – classification of rhabdosarcomas / Wilms tumour	Myogenin/Myf 4	LRI



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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	LRI
FFPE slides	Neuronal cells, Merkel cell tumour of skin, pancreatic endocrine neoplasm, carcinoid tumour and parathyroid tumour	Neurofilament	LRI
FFPE slides	B-Cell marker	Oct-2	LRI
FFPE slides	Germ cell tumours	Oct-3/4	LRI
FFPE slides	Ovarian cancer/HPV	P16	LRI
FFPE slides	Cell proliferation marker	P53	LRI
FFPE slides	Beckwith-Wiedemann syndrome (BWS)	P57	LRI
FFPE slides	Tumour suppressor gene	P63	LRI
FFPE slides	B Cell Marker	PAX5-BSAP	LRI
FFPE slides	Lymphoma/Thyroid disease	Pax 8	LRI
FFPE slides	PD-L1 protein expression in NSCLC	PD-L1 (clone 22C3)	LRI
FFPE slides	Enzyme produced by trophoblasts	PLAP	LRI
FFPE slides	PMS2 mismatch repair protein	PMS2	LRI
FFPE slides	Marker for prostatic carcinoma	PSA	LRI
FFPE slides	Used to aid classification metastatic prostate carcinoma	PSAP	LRI



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United Kingdom Accreditation Service
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University Hospitals of Leicester NHS Trust

Issue No: 014 Issue date: 21 November 2025

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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>Histopathological examination of tissues for the purpose of diagnosis (cont'd):</u>	Documented in house methods incorporating manufacturers' instructions where relevant:	
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	LRI
FFPE slides	Renal carcinoma marker	Renal Cell Carcinoma	LRI
FFPE slides	Schwann cells, nerve processes, S100 positive neoplasm	S100	LRI
FFPE slides	Smooth muscle actin	SMA	LRI
FFPE slides	Melanoma	SOX-10	LRI
FFPE slides	Solitary fibrous tumours	STAT-6	LRI
FFPE slides	Neuroendocrine neoplasms	Synaptophysin	LRI
FFPE slides	β TCR bearing T lymphocytes	TCR- β	LRI
FFPE slides	Immature T cells	TdT	LRI
FFPE slides	Well differentiated thyroid carcinomas	Thyroglobulin	LRI
FFPE slides	Involved in apoptosis	TIA-1	LRI
FFPE slides	Nuclear Protein in Lung and Thyroid	TTF-1	LRI
FFPE slides	Identification of basement membranes	Type 4 Collagen	LRI
FFPE slides	Tumours of urothelial origin	Uroplakin II	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:	
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	LRI
FFPE slides	Filaments in mesenchymal cells	Vimentin	LRI
FFPE slides	Tumour marker Wilms	WT1	LRI
FFPE slides (Formalin fixed paraffin embedded)	<u>Immunohistochemistry to detect the following:</u>	Automated Immunohistochemical staining using Roche Ventana Benchmark Ultra and Ultra Plus Key SOP: PR3069 Immunohistochemistry Procedures	LRI
FFPE slides	HER2 amplification in breast and gastric tumours	Her 2 (Clone 4b5)	LRI
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	MOHS



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



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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 Eprexia cytospin Walkers 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			