Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

8638

Accredited to ISO 15189:2022

Belfast Health and Social Care Trust

Issue No: 014 **Issue date:** 27 June 2026

Royal Hospitals
Cellular Pathology
Institute of Pathology
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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
Royal Hospitals Cellular Pathology Institute of Pathology Grosvenor Road Belfast BT12 6BA Shauna McAuley +44 (0)7917880333	Histopathology Diagnostic Cytology	RH
Royal Hospitals Kelvin Building Grosvenor Road Belfast BT12 6BA	HPV Screening Service	Kelvin
Royal Hospitals Mohs Laboratory Level 5 Dermatology Department Outpatient Centre Falls Road Belfast BT12 6BA		Mohs

Site activities performed away from the locations listed above:

Location details	Activity	Location code
On-site Mortuary and Body Store Royal Hospitals Grosvenor Road Belfast BT12 6BA	Reception, storage and release of the deceased	RHMort

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Testing performed by the Organisation at the locations specified

Location details	Activity	Location code
FNA Breast Clinic Outpatients Mammography Suite Belfast City Hospital	Slide preparation, Staining by Giemsa method, Screening and provisional reporting	BCHbc
ROSE Head and Neck Clinic Belfast Royal Hospital	Slide preparation, Staining by Giemsa method, ROSE, Rapid onsite evaluation of adequacy	HNC
Ultrasound ROSE Level 4 Ultra Sound Department Belfast Royal Hospital	Slide preparation, Staining by Giemsa method. ROSE - adequacy advice given	RHus
Ultrasound ROSE Lorimer Suite Ground Floor Belfast City Hospital	Slide preparation, Staining by Giemsa method. ROSE - adequacy advice given	BCHus
EUS ROSE Ground Floor, Tower Block Endoscopy Unit Belfast City Hospital	Slide preparation, Staining by Giemsa method. ROSE - adequacy advice given	BCHeus

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	Cytopathological examination of fluids for the purpose of diagnosis	Documented in house methods incorporating manufacturers' instructions where relevant:	
Systemic body fluid samples including fine needle aspirations.	Examination of fluids in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Samples centrifuged and processed using Hologic ThinPrep technique – T2000 Conventional sample preparation using centrifuge and cytocentrifuge Automated papanicolaou and H&E staining using Tissue Tek Prisma plus automated slide stainer and Tissue Tek Glas G2 Coverslipper • (TP-81) • (TP-88) • (TP-46)	RH
Cervical LBC Samples (Thinprep).	Preparation of samples in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis/screening	Hologic T5000 auto LBC processor • LP 412 007 (TP-114) • PD 400 003 (TP-288)	RH
Glass slides from cervical LBC samples	Staining of samples in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis/screening	Automated papanicolaou staining using Tissue Tek Prisma Plus and Tissue Tek Glas G2 Coverslipper (TP-115)	RH
Slides prepared as above	Morphological assessment and interpretation/diagnosis	Interpretive microscopy using microscopes • (TP-48)	RH
Cervical cells in PreservCyt solution	Detection of high-risk human papilloma virus (HPV) DNA Primers: 16, 18, 31, 33, 35, 39 45, 51, 52, 56, 58, 59 66, 68	Automated PCR amplification of target DNA and detection of florescence probes by Cobas HPV Qualitative nucleic acid test for use on Cobas 8800 systems. (TP-2702 Cobas 8800 hr-HPV Assay)	Kelvin

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 of tissues for the purpose of diagnosis	Documented in house methods incorporating manufacturers' instructions where relevant:	
Formalin-fixed tissue samples	Examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Specimen Dissection Also utilising Pathvision Faxitron • Cat A – LP 401 601 (TP-76) • Cat B – LP 401 602 (TP-77) • Cat C – LP 401 603 (TP-78) Cat D&E TP-79 • Examination of Early Miscarriages - LP 429 013 (TP-159) • TP-1397	RH
Formalin-fixed tissue samples including thrombin clots prepared by systemic cytology service		Tissue Processing 2 x VIP-6 AL 2 x Xpress X120 2 x VIP-6 E2 1 x VIP-6 E2 (Neuropathology) • TP-55 • TP-56	RH
Formalin-fixed tissue samples including thrombin clots prepared by systemic cytology service		Embedding using: Manual: 2 x Tec 5 Tissue Embedding Console • TP-57 Automatic: 2 xa120 Autoembedder • TP-57	RH
Bone and calcified tissue		Decalcification (EDTA and Formic acid) • TP-69	RH

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 of tissues for the purpose of diagnosis (cont'd)	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 using: Leica CM1950 cryostat Manual H&E staining • (TP-53) • (TP-121)	RH Mohs
Formalin Fixed paraffin wax blocks of processed tissue, including thrombin clots prepared by systemic cytology service	Examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Microtomy using: Microm HM325 Tissue Tek Autosection Leica Histocore Autocut (Bone and calcified tissue) Leica RM2235 Leica RM2135 Thermo Shandon HM 355S • (TP-58)	RH

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 of tissues for the purpose of diagnosis (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
FFPE slides (Formalin fixed paraffin embedded) and frozen sections	Routine morphological staining for the detection of basophilic and eosinophilic structures	H&E staining using: 2 x HE600 Thermo Linear (MOHS) • (TP-59) (HE600) • (TP-121) (MOHS)	Mohs RH RH Mohs
FFPE slides (Formalin fixed paraffin embedded)	Special stains for the detection of: TB bacilli Nissl Substance Fibrosis Myelin Fibrin deposition, fibrinosis, fibrosis of liver Melanin Hep B surface antigen Copper-associated protein Mast cells Calcium Elastic Gram Positive and Gram Negative Bacteria	Documented in-house procedures for manual special stains Auramine O TP-1768 Cresyl Fast Violet Method TP-1780 Haematoxylin and van Gieson TP-1760 Luxol Fast Blue/Haematoxylin TP-1781 Martius Scarlet Blue TP-1784 Masson Fontana TP-1770 Orcein TP-1785 Toluidine Blue TP-1778 von Kossa TP-1773 Millers Elastic Gram	RH

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 of tissues for the purpose of diagnosis (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
FFPE slides (Formalin fixed paraffin embedded)	Special stains for the detection of:	Automatic special staining using: 3 x Benchmark Special Stainer TP-1697	RH
	Acid mucins	Alcian Blue	
	All Mucins	Alcian Blue PAS ± Diastase	
	H.Pylori	Alcian Yellow	
	Fungi Basement membrane (renal)	Methenamine Silver (Grocott)	
	Fibrosis, differentiation of muscle and collagen	Masson Trichrome	
	Fungus	Mucicarmine	
	Glycogen, basement membranes, and other PAS-positive structures	Periodic Acid Schiff (PAS +/- Diastase)	
	Haemosiderin	Perls' Prussian Blue	
	Reticulin	Reticulin	
	H Pylori	Steiner II	
	Acid-Alcohol fast bacilii	Ziehl Neelsen	
	Fibrosis, differentiation of muscle and collagen	Masson Trichrome Blue	
	Amyloid	Congo Red with Mallorys Bleach	
	Capillary Basement Membranes	Jones	
	Helicobacter pylori in the stomach and differentiate hematopoietic cellsbench	Giemsa	
Frozen Tissue	Amyloid	Congo Red	
Frozen Muscle Tissue	Glycogen, basement membrane and fungal organisms	PAS	

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 of tissues for the purpose of diagnosis (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
FFPE slides (cont'd) (Formalin fixed paraffin embedded)	Immunohistochemistry to detect the following:	Automated Immunohistochemical staining using Leica Bond III and the following antibodies • LP 404 005 (TP-94) • LP 404 006 (TP-95) • PD 400 002 (TP 287)	RH
	Amyloid marker	Amyloid A component	
	Lymphoma/Carcinoma	BCL-2	
	Lymphomas	BCL-6	
	Pan T-cell marker	CD3	
	Pan T-cell marker	CD5	
	Renal carcinoma/Lymphoma	CD10* RTU	
	Reed-Sterberg and other cell types	CD15* RTU	
	Follicular Dendritic cells	CD21	
	Aid in the classification of Lymphoma	CD23	
	Reed-Sterberg cells	CD30* RTU	
	Pan Leukocyte marker (T&B)	CD45 (LCA)	
	NK cells, neuroendocrine cells	CD57* RTU	
	Useful for identification of B-cell lymphomas	CD79α	
	GIST,RCC,Germ cell tumor	CD117	

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 of tissues for the purpose of diagnosis (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
FFPE slides (cont'd) (Formalin fixed paraffin embedded)	Immunohistochemistry to detect the following:	Automated Immunohistochemical staining using Leica Bond III and the following antibodies • LP 404 005 (TP-94) • LP 404 006 (TP-95) • PD 400 002 (TP 287)	RH
	Mantle cell lymphoma	Cyclin D1	
	Certain types of T-cell lymphomas. Follicular Dendritic tumours.	CXCL13	
	Epstein-Barr virus	EBV	
	latent EBV infection	EBER	
	Cytotoxic T lymphocytes and NK Cells	Granzyme B	
	Immunoglobulin A	IgA	
	Immunoglobulin D	IgD	
	Immunoglobulin G	IgG	
	Immunoglobulin M	IgM	
	Kappa light chain messenger RNA	Kappa	
	Lambda light chain messenger RNA	Lambda	
	Lymphoid	LEFI	
	B-Cell marker	OCT2	
	Cell proliferation marker	P53(DO7)	
	Lymphoma marker	PD1	

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 of tissues for the purpose of diagnosis (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
Frozen sections of muscle tissue	Immunohistochemistry to detect the following:	Automated Immunohistochemical staining using Leica Bond III and the following antibodies • LP 404 005 (TP-94) • LP 404 006 (TP-95) • PD 400 002 (TP 287)	RH
	Cell proliferation marker	MIB-1 (Ki-67)	
	B cell marker used to aid classification of lymphomas	MUM1	
	Mantle cell lymphoma	Sox-11	

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 of tissues for the purpose of diagnosis (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
FFPE slides (cont'd) (Formalin fixed paraffin embedded)	Immunohistochemistry to detect the following: (cont'd)	Automated Immunohistochemical staining using Ventana Benchmark Ultra • TP-1759	RH
	Smooth muscle	Actin (Smooth muscle)	
	Pituitary hormone	ACTH	
	Pan Cytokeratin	AE1/AE3	
	For the identification of anaplastic large cell lyphomas	ALK protein	
	Androgen Receptor eg breast tumours	Androgen Receptor	
	Embryonic cell in normal tissues and germ tumours	Alpha fetoprotein	
	Hepatocellular carcinoma	Arginase	
	Epithelial Cells	BER-EP4	
	Detects syncytiotrophoblasts	Beta-hCG	
	Beta-Catenin	Beta-Catenin	
	BRAF mutations	BRAF	
	Ovarian Tumour	CA125	
	Protein involved in smooth muscle and non-muscle contraction	Caldesmon H	
	Myoepithelial cells in benign and malignant breast lesions	Calponin	
	Pan Cytokeratin	CAM 5.2	
	Histiocytes/Langerhan cell	CD1a	

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 of tissues for the purpose of diagnosis (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
FFPE slides (cont'd) (Formalin fixed paraffin embedded)	Immunohistochemistry to detect the following: (cont'd)	Automated Immunohistochemical staining using Ventana Benchmark Ultra TP-1759	RH
	Macrophages, monocytes	CD16	
	Monocytes	CD163	
	Pan t-lymphocytes	CD2	
	T-cell subset	CD4	
	Renal carcinoma/Lymphoma	CD11c	
	Endothelial marker	CD31	
	Stem cell/endothelium Sarcoma	CD34* RTU	
	Dual stain for detection of vascular endothelial cells and epithelial cells	CD34/CAM5.2	
	Erythrocytes, leukocytes, glomerular podocytes and follicular dendritic cells	CD35	
	Neuroendocrine	CD56 * RTU (ROUTINE)	
	Megakaryocytic leukaemias	CD61	
	T cells. Natural killer cells, thymocytes	CD68	
	Primary Erythroid Marker	CD71	
	Ewings sarcoma	CD99/MIC 2	
	GIST, RCC, Germ cell Tumour	CD117	
	Lung carcinoma	CDK4	

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 of tissues for the purpose of diagnosis (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
FFPE slides (cont'd) (Formalin fixed paraffin embedded)	Immunohistochemistry to detect the following: (cont'd)	Automated Immunohistochemical staining using Ventana Benchmark Ultra TP-1759	RH
	Antigen in intestinal epithelium	CDX2	
	GI carcinoma	CEA (m)	
	Axonal swelling and damage (neuro)	Clusterin	
	Neuroendocrine	Chromogranin A* RTU	
	Ck for Carcinoma	CK14	
	CK for carcinoma	CK 19	
	CK in gastro-intestinal cells	CK 20	
	CK in epithelium	CK 5/6	
	Cytokeratin in epithelium	CK 7	
	Cytomegalovirus	CMV	
	Lymphatic endothelium	D2-40	
	Dual stain for detection of epithelial cells and lymphatic endothelial cells	D2-40/CAM5.2	
	GIST	DOG-1	
	Distinguish Lobular from Ductal carcinoma	E-Cadherin	
	Protein in epithelial cells	EMA	
	Vascular neoplasms	ERG	

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HUMAN BODY TISSUE AND FLUIDS (cont'd)	Histopathological examination of tissues for the purpose of diagnosis (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
FFPE slides (cont'd) (Formalin fixed paraffin embedded)	Immunohistochemistry to detect the following: (cont'd)	Automated Immunohistochemical staining using Ventana Benchmark Ultra TP-1759	RH
	Ewings sarcoma	FLI-1	
	Pituitary hormone	FSH	
	Stomach hormone	Gastrin	
	Endothelial cells	FACTOR VIII	
	Breast and urothelial carcinoma	GATA-3	
	Glycoprotein in epithelium	GCDFP	
	Marker of malignancy	Glut 1	
	Erythroid leukaemias	Glycophorin A	
	Hepatocellular carcinoma	Glypican 3	
	Mesothelial marker	HBME-1	
	Hepatitis B infected tissue	Hepatitis B(surface)	
	Hepatitis B infected tissue	Hepatitis B(Core)	
	HSV infected tissue	Herpes Simplex 1	
	Transmembrane glycoprotein	HER-2	
	For identification of Kaposi's sarcoma	HHV-8	
	Benign and malignant tumour formation	HMGA2	

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 of tissues for the purpose of diagnosis (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
FFPE slides (cont'd) (Formalin fixed paraffin embedded)	Immunohistochemistry to detect the following: (cont'd)	Automated Immunohistochemical staining using Ventana Benchmark Ultra TP-1759	RH
	Carcinoma vs Germ Cell Tumour	INHIBIN A	
	Neuroendocrine tumours	INSM-1	
	Pituitary hormone	GH	
	Ovarian clear cell carcinoma marker	HNF-1β	
	Malignant Rhabdoid tumours	INI-1	
	Pituitary hormone	LH	
	Mast cells	Mast Cell Tryptase	
	Melanocytes (Melanoma)	Melan-A	
	Cell proliferation marker	KI-67	
	Colorectal Cancer / Lynch Syndrome	MMR panel (MLH-1, MSH2, MSH6 and PMS2)	
	Human muc2glycoprotein/ Adenocarcinomas	MUC-2	
	Soft tissue neoplasms and carcinomas	MUC-4	
	Diffuse and infiltrative carcinomas	MUC-5AC* RTU	
	Human muc6glycoprotein	MUC-6	
	Myeloid cell populations	Myeloperoxidase	

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HUMAN BODY TISSUE AND FLUIDS (cont'd)	Histopathological examination of tissues for the purpose of diagnosis (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
FFPE slides (cont'd) (Formalin fixed paraffin embedded)	Immunohistochemistry to detect the following: (cont'd)	Automated Immunohistochemical staining using Ventana Benchmark Ultra TP-1759	RH
	Rhabdomyosarcoma	Myo D1	
	Rhabdomyosarcoma	Myogenin	
	Lung adenocarcinoma	NAPSIN A	
	Ovarian cancer / HPV	P16	
	Tumour suppressor marker	P63	
	Breast hormone	Oestrogen receptor (EP1) * RTU	
	Ovarian cancer/HPV	P16	
	Ovarian cancer/HPV	P40	
	Prostate adenocarcinoma	P504S	
	Hydatidiform mole	p57 KIP2	
	Differential diagnosis of parathyroid tumours	Parathyroid Hormone	
	C terminal region of TRK proteins A, B & C	Pan trk	
	Programmed death marker	PD-1	
	Transmembrane protein on Tcells	Pin Cocktail	
	Enzyme produced by trophoblasts	Placental alk phos(PLAP)	
	Mismatch repair protein	PMS2	
	Pituitary hormone	Prolactin	

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HUMAN BODY TISSUE AND FLUIDS (cont'd)	Histopathological examination of tissues for the purpose of diagnosis (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
FFPE slides (cont'd) (Formalin fixed paraffin embedded)	Immunohistochemistry to detect the following: (cont'd)	Automated Immunohistochemical staining using Ventana Benchmark Ultra TP-1759	RH
	Melanoma antigen	PRAME	
	Prostate carcinoma	PSA	
	Marker for prostatic carcinoma	P. Acid Phosphatase	
	Renal carcinoma marker	RCC	
	Germ cell tumours	Sall-4	
	Colorectal carcinomas	SATB2	
	Melanoma	Sox-10	
	Soft tissue neoplasms	TLE	
	Nuclear protein in lung and thyroid	TTF-1 * RTU	
	Treponema pallidum infected tissue	*Treponema pallidum* Ab	
	Labels brush border in gastrointestinal mucosal epithelium	Villin	
	Filaments in mesenchymal cells	Vimentin	
	Colorectal carcinoma	SATB2	
	Demonstration of synaptophysin producing cells	SYNAPTOPHYSIN	
	Nuclear protein in lung and thyroid	TTF-1	

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 of tissues for the purpose of diagnosis (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
FFPE slides (cont'd) (Formalin fixed paraffin embedded)	Immunohistochemistry to detect the following: (cont'd)	Automated Immunohistochemical staining using Ventana Benchmark Ultra TP-1759	RH
	Filaments in mesenchymal cells	VIMENTIN	
	Tumour marker Wilms	WT-1	
	Dementia profile (neuro)	Alpha-synuclein	
	Hairy cell leukaemia	Annexin-1	
	Glioma panel (neuro)	ATRX	
	BRCA-1 associated protein-1	BAP-1	
	Alzheimer precursor protein	B-APP	
	Lymphoma/Carcinoma	BCL-2	
	Lymphomas	BCL-6	
	Dementia profile (neuro)	βAmyloid	
	Autoimmune and immunodeficiency disorders	Beta F1	
	Brachyury transcription factor	Brachyury	
	B-cells	BOB 1	
	Carbonic Anhydrase IX protein	CA IX (Carbonic Anhydrase)	
	Pan T-cell marker	CD3	
	CD44 glycoprotein	CD44	
	Pan T-cell marker	CD5	
	T-cell marker	CD7	

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 of tissues for the purpose of diagnosis (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
FFPE slides (cont'd) (Formalin fixed paraffin embedded)	Immunohistochemistry to detect the following: (cont'd)	Automated Immunohistochemical staining using Ventana Benchmark Ultra TP-1759	RH
	T-cell subset	CD8	
	Antigen of B lymphocytes	CD20 (B-cell L26)	
	Follicular Dendritic cells	CD21	
	Aid in the classification of Lymphoma	CD23	
	Pan T-cell marker	CD43(MT1)	
	Pan Leukocyte marker (T&B)	CD45 (LCA)	
	Useful for identification of B-cell lymphomas	CD79α	
	Human CD123	CD123	
	Lymphoma/Plasmacytoma	CD138	
	Mantle cell lymphoma	Cyclin D1	
	Distinguish Lobular from Ductal carcinoma	E-Cadherin	
	Lymphoma (Hodgkins)	Fascin	
	Glioma marker	IDH1	
	Immunoglobulin G4	IgG4	
	Pancreatic hormone	Insulin	
	Langerhans cell histiocytosis	Langerin	
	Myeloid cells, histiocytes, granulocytes, macrophages and monocytes	Muramidase (Lysozyme)	

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 of tissues for the purpose of diagnosis (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
FFPE slides (cont'd) (Formalin fixed paraffin embedded)	Immunohistochemistry to detect the following: (cont'd)	Automated Immunohistochemical staining using Ventana Benchmark Ultra TP-1759	RH
	Secretory epithelial/ Mesenchymal tumours	MUC-1	
	B cell marker used to aid classification of lymphomas	MUM1	
	Tumours of muscle origin	Myoglobin	
	Neuronal differentiation of neoplasms	Neurofilament Protein	
	Pancreatic lipase marker	Pancreatic lipase	
	Pancreatic hormone	Pancreatic Polypeptide	
	Ovarian, thyroid and renal cell carcinoma marker	PAX-8	
	Adrenal and gonadal development marker	SF-1	
	Pancreatic hormone	Somatostatin	
	Dementia profile (neuro)	TAU	
	Precursor of thyroid hormones	Thyroglobulin	
	Toxoplasmosis gondii infected tissue	Toxoplasmosis gondii	
	Trypsin levels in pancreas	TRYPSIN	

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 of tissues for the purpose of diagnosis (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
FFPE tissue blocks Post mortem tissue	CD68 protein	CD68	RH
	C-myc protein	c-Myc	
	Glial Fibrillary Acidic Protein	GFAP	
	Glutamine Synthetase	Glutamine Synthetase	
	Helicobacter pylori	H Pylori	
	Mitochondrial antigen in hepatocytes	Hepatocyte Specific Antigen	
	"premelanosome protein	HMB45	
	(PMEL)"	Islet-1	
	Poly (C9) component in the C5b-9 complex	MDM2	
	MDM2 protein	Myosin (fast)	
	myosin fast type heavy chain	Myosin (slow)	
	myosin slow type heavy chain	Myosin (smooth muscle)	
	Smooth Muscle Myosin heavy chain	NKX3.1	
	NKX3.1 protein	OCT-4	
	Oct-4 protein	SDHB	
	SDHB protein	STAT 6	
	STAT6 protein	SV40	
	TDP-43 protein	TFE3	

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 of tissues for the purpose of diagnosis (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
Cytology Specimens	Pan T-cell marker	CD3	RH
	Antigen of B lymphocytes	CD20 (B-cell L26)	
	Pan Leukocyte marker (T&B)	CD45 (LCA)	
	Neuroendocrine	CD56 (CYTO)	
	Antigen in intestinal epithelium	CDX2	
	CK in gastro-intestinal cells	CK 20	
	Smooth and striated muscle cells	Desmin	
	Breast hormone	Oestrogen Receptor (CYTOLOGY)	
	Melanocytes (Melanoma)	Melan-A	
	Cell proliferation marker	MIB-1 (Ki-67)	
	Lung adenocarcinoma	Napsin A	
	Used to aid classification metastatic PR carcinoma	S-100* RTU	
	Demonstration of synaptophysin producing cells	Synaptophysin	
	Nuclear protein in lung and thyroid	TTF-1 (CYTO)	
	Tumour marker Wilms	WT1	

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 of tissues for the purpose of diagnosis (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
Frozen muscle tissue	T-cell subset	CD4	RH
	T-cell subset	CD8	
	Antigen of B lymphocytes	CD20 (B-cell L26)	
	Macrophages and mononuclear cells	CD68 (KPI)	
	Muscular dystrophy panel	Dysferlin	
	Muscular dystrophy panel	Dystrophin 1	
	Muscular dystrophy panel	Dystrophin 2	
	Muscular dystrophy panel	Dystrophin 3	
	Muscle myopathies	HLA-ABC	
	Complement activation	MAC (c5b-9)	
	Muscular dystrophy panel	Merosin	
	Myosin heavy chain during muscle fibre development	Myosin heavy chain neonatal	
	Mantle cell lymphoma	Spectrin	
	Muscular dystrophy panel	Utrophin	

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 of tissues for the purpose of diagnosis (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
FFPE slides (Formalin fixed paraffin embedded)	Immunohistochemistry to detect the following:	Manual Immunohistochemical staining the following antibodies Stained on Bond III followed by Luxol Fast Blue Special stain	RH
	Neurofilament and myelin	Anti-Neurofilament Protein LFB Key SOP • LP 423 206 (TP-132)	
Frozen sections of Renal and Skin Biopsies	Immunoglobulins and complement (IgA, Albumin, C1Q, c3, C4, C4D, Fibrinogen, IgG, IgM)	Direct immunofluorescence staining using Ventana Discovery Ultra Key SOP • TP-137,TP-139	
	phospholipase A2 receptor	PLA2R1	
	Immunoglobulin G1	IgG1	
	Immunoglobulin G2	IgG2	
	Immunoglobulin G3	IgG3	
	Immunoglobulin G4	IgG4	
	Kappa light chain messenger RNA	Kappa	
	Lambda light chain messenger RNA	Lambda	

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)	Neuropathological examination of tissues for the purpose of diagnosis	Documented in house methods incorporating manufacturers' instructions where relevant:	
Fresh muscle biopsy samples	Examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Leica CM1950 cryostat • TP-53 • TP-124 • TP-128	RH
Frozen sections of muscle tissue	Special stains for the detection of:	Documented in-house procedures for manual special stains Manual H&E • TP-1772	RH
	Lipid	Oil Red O TP-1783	
	Cytochromoxidase enzyme	Cytochrome Oxidase TP-2401	
	Abnormal mitochondria	Modified Gomori's Trichrome TP-2405	
	NADH enzyme	NADH – Tetrazolium Reductase TP-2399	
	Acid Phosphatase	Naphthol AS-Bi Phosphate – Acid Phosphatase TP-2404	
	Atrophic Fibres	α-Naphthyl Acetate – Non-Specific Esterase TP-2400	
	Phosphorylase	Phosphorylase TP-2403	
	Succinase Dehydrogenase enzyme	Succinate Dehydrogenase TP-2402	
	Presence/absence of oxidative enzymes (COX, SDH)	Cytochrome Oxidate / Succinate dehydrogenase TP-2513	

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 of tissues for the purpose of diagnosis Miscellaneous examination of tissues for the purpose of diagnosis	Documented in house methods incorporating manufacturers' instructions where relevant:	
Blood	Demonstration of circulating Antibodies - IgA, IgG	Manual Indirect immunofluorescence • (TP-153)	RH
Digital images from FFPE slides prepared in house	Morphological assessment and interpretation/diagnosis from FFPE slides prepared in house, not including neuropathology samples	Reporting Histology images using Sectra NIPACS TP-908 TP-2346 TP-2345 TP-2398 TP-2350 TP-62 TP-239	
END			