


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 8544</p> <p>Accredited to ISO 15189:2012</p>	<p>Lancashire Teaching Hospitals NHS Foundation Trust</p> <p>Issue No: 006 Issue date: 06 April 2021</p>	
	<p>Department of Cellular Pathology Royal Preston Hospital Sharoe Green Lane Fulwood Preston PR2 9HT</p>	<p>Contact: Karen Wignall Tel: +44 (0) 1772 523108 E-Mail: karen.wignall@lthtr.nhs.uk Website: http://www.lancsteachinghospitals.nhs.uk</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES AND FLUIDS</p> <p>Fixed, fresh and frozen tissue including excisional and incisional biopsies and surgical resection specimens</p>	<p>Histological and Cytological examinations to assist in clinical diagnosis</p>	<p>Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for:</p> <p><u>Specimen Dissection</u></p> <p>Specimen Decalcification and Softening SP300 Microwave Fixation SP360 Cutting Calcified Bone SP381 Writing Up at Cut Up SP386 Slicing Mastectomy Specimens for Fixation SP520 Faxitron Operation SP603 Cut Up of Upper GI SP417 Cut Up of Cystectomies SP419 Cut Up of Breast SP420 Cut Up of Head and Neck SP422 Cut Up of Placenta SP424 Cut Up of Colorectal Cancer SP425 Cut Up of GI (non-neoplastic) SP426 Cut Up of Testis SP430 Cut Up of Gynae SP433 Cut Up of Lympho-reticular SP435 Cut Up of Prostatectomy SP437 Cut Up of Skin SP513 Cut Up of RPOC SP514 Cut Up of Urogenital SP591 Cut Up of Endocrine SP635 Cut Up of Kidney SP644 Cut Up of Femoral Heads/Bone SP654 Smalls SP681</p>



8544
Accredited to
ISO 15189:2012

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

Lancashire Teaching Hospitals NHS Foundation Trust

Issue No: 006 Issue date: 06 April 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES AND FLUIDS</p> <p>Fixed, fresh and frozen tissue including excisional and incisional biopsies and surgical resection specimens</p> <p>Formalin- fixed and processed tissue (to paraffin wax) including excisional and incisional biopsies and surgical resection specimens</p> <p>Formalin- fixed paraffin embedded tissue blocks</p> <p>Frozen Tissue</p>	<p>Histological and Cytological examinations to assist in clinical diagnosis</p>	<p>Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for:</p> <p><u>Tissue Processing</u> Peloris II Tissue Processor SP331</p> <p><u>Tissue Embedding</u> 1. Surgipath Premier Series 2. Shandon Histocentre 2 3. Leica EG1150 H SP309 TP13 Embedding</p> <p><u>Tissue Sectioning</u> <u>General Laboratory:</u> 1. Leica RM2235 2. Leica RM2135 <u>Neuropathology:</u> 1. Leica RM2235 2. Leica RM2255 SP296 TP03 Microtomy</p> <p><u>Tissue Sectioning</u> Bright's Cryostat SP105 Using the cryostat</p> <p><u>TP11 Routine use of the cryostat competency</u></p>



8544
Accredited to
ISO 15189:2012

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Lancashire Teaching Hospitals NHS Foundation Trust
Issue No: 006 Issue date: 06 April 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS	Histological and Cytological examinations to assist in clinical diagnosis	Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for:
Formalin- fixed paraffin embedded tissue sections on microscope slides	For demonstration of general tissue architecture including basophilic and eosinophilic structures	<u>Haematoxylin and Eosin Staining</u> Manual Technique SP10 Automated Technique using Leica CV5030 Autostainer SP376 TP19 Stainer/Coverslipper TP42 Histology IQC
Frozen Tissue	For demonstration of general tissue architecture including basophilic and eosinophilic structures	<u>Haematoxylin and Eosin Staining</u> Manual Technique SP10 <u>TP11 Routine use of the Cryostat</u>
Formalin- fixed paraffin embedded tissue sections on microscope slides	For demonstration of:	<u>Special Stains</u> Manual Techniques TP48, TP49 +/- Automated Technique using Ventana Benchmark TP43 and the following SOPs(M- Manual, A- Automated
	Acid Mucopolysaccharides	SP2 (M) Alcian Blue
	Amyloid	SP4 (M) Congo Red Improved Method
	Elastic tissue fibres	SP6 (M) Miller's Elastic Van Gieson (EVG)
	Mast Cells <i>Helicobacter pylori</i>	SP44 (M) Rapid Giemsa
	Gram positive and Gram negative organisms	SP48 (M) Gram-Twort
	Fungi	SP9 (M) Grocott- Gomori Methenamine Silver
	General tissue architecture including basophilic and eosinophilic structures	SP11 (M) Rapid H&E



8544
Accredited to
ISO 15189:2012

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Lancashire Teaching Hospitals NHS Foundation Trust
Issue No: 006 Issue date: 06 April 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES AND FLUIDS</p> <p>Formalin- fixed paraffin embedded tissue sections on microscope slides</p>	<p>Histological and Cytological examinations to assist in clinical diagnosis</p> <p>For demonstration of:</p> <p>Removal of tinctorial stains/pigments</p> <p>Melanin pigment</p> <p>Connective tissue</p> <p>Fibrin</p> <p>Hepatitis B surface antigen</p> <p>PAS positive structures e.g. glycogen, cells of pituitary</p> <p>Haemosiderin and ferric iron</p> <p>Reticulin fibres</p> <p>Metachromatic substances</p> <p>Calcium</p> <p>Tubercle bacilli (TB)</p>	<p>Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for: <u>Special Stains</u></p> <p>Manual Techniques TP48, TP49 +/- Automated Technique using Ventana Benchmark and the following SOPs:</p> <p>SP53 (M) Mallory Bleach</p> <p>SP16 (M) Masson Fontana</p> <p>SP54 (M) Masson Trichrome</p> <p>SP18 (M) Martius Scarlet Blue (MSB)</p> <p>SP67 (H/A) Orcein</p> <p>SP21 (MA) Periodic Acid Schiff (PAS) +/- Diastase</p> <p>SP23 (M/A) Perl's Prussian Blue</p> <p>SP26 (A)Gordon & Sweet's Reticulin Method</p> <p>SP88 (M) Toluidine blue</p> <p>SP89 (M) Von Kossa</p> <p>SP28 (M)Ziehl- Neelsen (ZN)</p>



8544
Accredited to
ISO 15189:2012

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Lancashire Teaching Hospitals NHS Foundation Trust
Issue No: 006 Issue date: 06 April 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS Formalin- fixed paraffin embedded tissue sections on microscope slides	Histological and Cytological examinations to assist in clinical diagnosis For demonstration of: Epithelial cells Hepatocytes and germ cell tumour Lymphoma Deficiency of alpha-1-antitrypsin Secondary amyloid Prostate Scattered T cells in germinal centres and mantle zone B cells- follicular lymphoma Lymphoma ? Mesangium or glomerular basement membrane in e.g. SLE Renal complement Clear cell v renal cell carcinoma GI tumours/ Pancreas Thyroid C cells and carcinoma Smooth muscle and sarcoma Mesothelial and lung tumours Cytokeratin low MWT	Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for: <u>Immunohistochemistry</u> using Leica Bond III Immunostainer SP605, SP615 and the following antibodies: AE1/AE3 Alphafetoprotein ALK1 Alpha-1-antitrypsin Amyloid A 34 BE12 BCL2 BCL6 Beta catenin C1q C3c CAIX Ca19-9 Calcitonin CALDESMON CALRETININ CAM 5.2



8544
Accredited to
ISO 15189:2012

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Lancashire Teaching Hospitals NHS Foundation Trust
Issue No: 006 Issue date: 06 April 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES AND FLUIDS</p> <p>Formalin- fixed paraffin embedded tissue sections on microscope slides</p>	<p>Histological and Cytological examinations to assist in clinical diagnosis</p> <p>For demonstration of:</p> <p>Cortical thymocytes, Langerhans cells, Interdigitating cells of dermis</p> <p>T Cells in mantle zone</p> <p>T Cells</p> <p>T and B cells- leukaemia</p> <p>T Cell malignancy</p> <p>T Cells</p> <p>Childhood ALL, follicular lymphoma</p>	<p>Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for:</p> <p><u>Immunohistochemistry</u> using Leica Bond III Immunostainer SP605, SP615 and the following antibodies:</p> <p>CD1a</p> <p>CD3</p> <p>CD4</p> <p>CD5</p> <p>CD7</p> <p>CD8</p> <p>CD10</p>



8544
Accredited to
ISO 15189:2012

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Lancashire Teaching Hospitals NHS Foundation Trust
Issue No: 006 Issue date: 06 April 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS Formalin- fixed paraffin embedded tissue sections on microscope slides	Histological and Cytological examinations to assist in clinical diagnosis For demonstration of: Reed Sternberg cells, Hodgkin's and meso panel B Cells - lymphoma B Cells- dendritic cells Lymphocytes in germinal centres Reed Sternberg cells, Hodgkin's Endothelial cells- malignancy Vascular epithelium T Cell lymphoma Breast and lung carcinoma Neuroectodermal cells, neurones, astrocytes, Macrophages B Cells Ewing's sarcoma GIST tomours	Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for: <u>Immunohistochemistry</u> using Leica Bond III Immunostainer SP605, SP615 and the following antibodies: CD15 Leu M1 CD20 CD21 CD23 CD30 (Ki) CD31 CD34 (Q bend/10) CD43 CD44 CD56 CD68 CD79a CD99 (MIC2) CD117 (C-KT)



8544
Accredited to
ISO 15189:2012

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Lancashire Teaching Hospitals NHS Foundation Trust
Issue No: 006 Issue date: 06 April 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS	Histological and Cytological examinations to assist in clinical diagnosis	Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for:
Formalin- fixed paraffin embedded tissue sections on microscope slides	For demonstration of:	<u>Immunohistochemistry</u> using Leica Bond III Immunostainer SP605, SP615 and the following antibodies:
	B Lymphocyte differentiation	CD138
	Differentiation of carcinoids and metastatic adenocarcinoma	CDX-2
	Epithelial malignancy	CEA
	Prostate	CK5/6
	Ovarian	CK7
	Stratified epithelium	CK14
	Ductal and glandular epithelium	CK19
	Ovarian	CK20
	Mantle cell lymphoma	CYCLIN D1
	Hairy cell leukaemia	DBA44
	Smooth and striated muscle	DESMIN
	GIST tumours	DOG-1
	Epstein- Barr virus	EBV
	Epithelial cell carcinoma	E-CADHERIN
	Epithelial cells	EMA



8544
Accredited to
ISO 15189:2012

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Lancashire Teaching Hospitals NHS Foundation Trust
Issue No: 006 Issue date: 06 April 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS Formalin- fixed paraffin embedded tissue sections on microscope slides	Histological and Cytological examinations to assist in clinical diagnosis For demonstration of: Breast Ca diagnosis Breast Ca Hepatocellular carcinoma and Yolk sac tumours Mesothelial cells Germ cell tumours Hepatocytes Herpes virus type 8 B Cells Melanocytes Human papilloma virus Herpes simplex virus Renal Renal Renal	Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for: <u>Immunohistochemistry</u> using Leica Bond III Immunostainer SP605, SP615 and the following antibodies: GATA3 GCDFP-15 Gross cystic disease fluid protein Glypican HBME-1 HCG HeppAR1 HHV8-LNA HLA (MHC) HMB 45 HPV HSV IgA IgG IgM



8544
Accredited to
ISO 15189:2012

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Lancashire Teaching Hospitals NHS Foundation Trust
Issue No: 006 Issue date: 06 April 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS Formalin- fixed paraffin embedded tissue sections on microscope slides	<p>Histological and Cytological examinations to assist in clinical diagnosis</p> <p>For demonstration of:</p> <p>Tumour classification and identifying single invasive cells in gliomas</p> <p>Light chains</p> <p>Light chain</p> <p>Lymphoid</p> <p>Breast Ca</p> <p>Melanocytes</p> <p>B Cell lymphoma</p> <p>Skeletal muscle</p> <p>Skeletal and cardiac cells</p> <p>Neuronal</p> <p>Peripheral nerves</p> <p>Neuroendocrine</p> <p>Melanoma cells</p> <p>B Cell lymphoma</p> <p>Germ cell tumour</p> <p>Breast ca</p> <p>Cervical ca</p>	<p>Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for:</p> <p><u>Immunohistochemistry</u> using Leica Bond III Immunostainer SP605, SP615 and the following antibodies:</p> <p>IDH1</p> <p>KAPPA</p> <p>LAMBDA</p> <p>LCA (CD45 PD7-2B11)</p> <p>Mammaglobin</p> <p>MELAN A</p> <p>MUM-1</p> <p>MYOGENIN</p> <p>MYOGLOBIN</p> <p>NEUROFILAMENT (Invitrogen)</p> <p>NEUROFILAMENT (Dako)</p> <p>NSE</p> <p>NK1/C3</p> <p>OCT2</p> <p>OCT3/4</p> <p>OESTROGEN (EREPI)</p> <p>P16</p>



8544
Accredited to
ISO 15189:2012

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Lancashire Teaching Hospitals NHS Foundation Trust
Issue No: 006 Issue date: 06 April 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS Formalin- fixed paraffin embedded tissue sections on microscope slides	Histological and Cytological examinations to assist in clinical diagnosis For demonstration of: Squamous/basal cells Basal cells and Myoepithelial cells Thyroid Neurons Pituitary hormone deficiency Germ cell tumours and testicular ca Lymphatic endothelium, mesothelial cells, reticular cells, follicular dendritic cells, ovarian and testicular germ cells Breast Prostate neoplasm Renal cell ca Melanoma, glial cells Smooth muscle Smooth muscle myosin Melanoma marker- especially spindle cell type T and B Cells in leukaemia Thyroid	Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for: <u>Immunohistochemistry</u> using Leica Bond III Immunostainer SP605, SP615 and the following antibodies: P40 P63 PAX-8 PGP9-5 Pit-1 PLACENTAL AP Podoplanin PROGESTERONE- AB Leica PSA RCC S100 SMA SMM SOX-10 TDT THYROGLOBULIN



8544
Accredited to
ISO 15189:2012

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Lancashire Teaching Hospitals NHS Foundation Trust
Issue No: 006 Issue date: 06 April 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES AND FLUIDS</p> <p>Formalin- fixed paraffin embedded tissue sections on microscope slides</p>	<p>Histological and Cytological examinations to assist in clinical diagnosis</p> <p>For demonstration of:</p> <p>Lung and thyroid</p> <p>Cells of mesenchymal origin</p>	<p>Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for:</p> <p><u>Immunohistochemistry</u> using Leica Bond III Immunostainer SP605, SP615 and the following antibodies:</p> <p>TTF-1</p> <p>VIMENTIN</p>



8544
Accredited to
ISO 15189:2012

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Lancashire Teaching Hospitals NHS Foundation Trust
Issue No: 006 Issue date: 06 April 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS	Histological and Cytological examinations to assist in clinical diagnosis	Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for:
Formalin- fixed paraffin embedded tissue sections on microscope slides	For demonstration of:	<u>Neuropathology</u> Manual Staining with reference to: TP24 Nerve, TP25 Pituitary, TP48 Neuro special stains
	Plaques and tangles	SP3 Bielschowsky Stain- modified
	Myelin	SP14 Luxol Fast Blue
	Myelin and other CNS structures	SP15 Luxol fast Blue H&E
	Neurones	SP19 Nissl Demonstration
Frozen Sections	Mitochondrial complexes	SP42 Gomori Trichrome Stain
Frozen Sections	Lipids	SP27 Sudan Black for Lipids
Frozen Sections	For demonstration of:	<u>Neuropathology</u> Enzyme Histochemistry using manual staining with reference to the following antibodies: TP23 Muscle
	Lysosomes in muscle	SP66 Acid Phosphatase
	Mitochondrial complexes	SP38 Cytochrome Oxidase
	Mitochondrial complexes	SP41 Cytochrome Oxidase and SDH
	Fibre typing	SP46 Myoadenylate Deanimase
	Fibre typing	SP57 Myosin ATPase
	Fibre typing	SP56 NADH for Type 1 Fibres



8544
Accredited to
ISO 15189:2012

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Lancashire Teaching Hospitals NHS Foundation Trust
Issue No: 006 Issue date: 06 April 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS	Histological and Cytological examinations to assist in clinical diagnosis	Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for:
Frozen Sections	For demonstration of:	<u>Neuropathology</u> Enzyme Histochemistry using manual staining with reference to the following antibodies:: TP23 Muscle
	Phosphorylase activity	SP59 Phosphorylase
	Stain- glycogen	SP61 PAS for Muscle Biopsies
	Phosphofructokinase and aldolase activity	SP64 Phosphofructokinase and Aldolase
	SDH Activity	SP66 Succinic Dehydrogenase
Formalin- fixed paraffin embedded tissue sections on microscope slides	Myelin	SP78 Kultschitsky
	Connective tissue	SP79 Goldner's Trichrome
	Myelin	SP80 Solochrome Cyanine



8544
Accredited to
ISO 15189:2012

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Lancashire Teaching Hospitals NHS Foundation Trust
Issue No: 006 Issue date: 06 April 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES AND FLUIDS</p> <p>Frozen Sections</p>	<p>Histological and Cytological examinations to assist in clinical diagnosis</p> <p>For localisation of proteins in muscle</p>	<p>Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for:</p> <p><u>Neuropathology</u> Immunohistochemistry using SP90 manual staining with reference to the following antibodies:</p> <p>Adhalin</p> <p>B Dystroglycan - frozen</p> <p>Dysferlin</p> <p>Dystrophin 1</p> <p>Dystrophin 2</p> <p>Dystrophin 3</p> <p>Emerin</p> <p>Merosin 300</p> <p>Spectrin</p>



8544
Accredited to
ISO 15189:2012

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Lancashire Teaching Hospitals NHS Foundation Trust
Issue No: 006 Issue date: 06 April 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES AND FLUIDS</p> <p>Formalin- fixed paraffin embedded tissue sections on microscope slides</p>	<p>Histological and Cytological examinations to assist in clinical diagnosis</p> <p>For demonstration of:</p> <p>Pituitary hormone</p> <p>Neuro protein</p> <p>Neuro protein</p> <p>Pituitary hormone</p> <p>Pituitary hormone</p> <p>Malignancy marker brain tumour</p> <p>Pituitary hormone</p> <p>Pituitary marker</p> <p>Tumour marker</p> <p>Tangles in neurones</p>	<p>Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for:</p> <p><u>Neuropathology</u> Immunohistochemistry using Leica Bond III Immunostainer SP605, SP615 and the following antibodies:</p> <p>ACTH</p> <p>α- SYNUCLEIN</p> <p>BETA AMYLOID</p> <p>FSH</p> <p>GH</p> <p>IDH</p> <p>LH</p> <p>PROLACTIN</p> <p>SYNAPTOPHYSIN</p> <p>TAU</p>



8544
Accredited to
ISO 15189:2012

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Lancashire Teaching Hospitals NHS Foundation Trust
Issue No: 006 Issue date: 06 April 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES AND FLUIDS</p> <p>Surgical Biopsies</p>	<p>Histological and Cytological examinations to assist in clinical diagnosis</p>	<p>Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for:</p> <p><u>Electron Microscopy</u> Electron Microscopy (EM) Preparation with reference to the following:</p> <p>SP-451 Collecting Specimens for EM</p> <p>SP-473 Processing EM Tissues</p> <p>SP-404 Embedding EM Specimens</p> <p>Reichert Ultracut EM Microtome SP-406 Cutting of EM Specimens</p> <p>Jeol Jem 1400 Electron Microscope SP-481</p> <p>SP-622 Training Log for ICC-EM</p> <p>SP-413 Filing of EM Grids, Blocks and Slides</p> <p>TP-17 Operation of Ultramicrotome</p> <p>TP-52 Embedding and Processing</p>



8544
Accredited to
ISO 15189:2012

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Lancashire Teaching Hospitals NHS Foundation Trust
Issue No: 006 Issue date: 06 April 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES AND FLUIDS</p> <p>Surgical Biopsies</p>	<p>Histological and Cytological examinations to assist in clinical diagnosis</p> <p>Examination of tissues to identify or exclude ultrastructural morphological abnormalities for the purpose of diagnosis</p>	<p>Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for:</p> <p><u>Electron Microscopy</u> Electron Microscopy Viewing with reference to the following:</p> <p>SP-481 Operation of Transmission Electron Microscope (including reporting)</p> <p>SP-624 Electron Microscopy Checking</p> <p>TP-16 Operation of Transmission Electron Microscope</p>



8544
Accredited to
ISO 15189:2012

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

Lancashire Teaching Hospitals NHS Foundation Trust

Issue No: 006 Issue date: 06 April 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES AND FLUIDS</p> <p>Diagnostic Cytology Samples including fluids, FNAs and Brushings</p>	<p>Histological and Cytological examinations to assist in clinical diagnosis</p>	<p>Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for:</p> <p><u>Diagnostic Cytology</u></p> <p>Preparation of NG cytology samples</p> <p>Preparation of slides for staining using Shandon Cytospin or smear</p> <p><u>SP 215 Megafuge</u> <u>TP 06 Megafuge</u> SP 239 Specimen reference sheet SP 176 Bronchial Lavage SP 177 Bronchial Wash SP 188 CSF SP 191 Cyst Fluid SP 210 FNA SP 219 Lap Peritoneal Wash SP 313 Serous Fluid SP 343 Sputum SP 352 Urine SP 629 Sputum Diff Count SP 629 Synovial fluid SP338 Slide spread methodSP195 Cytospin Method <u>TP5 Cytospin</u></p> <p><u>Diagnostic Cytology</u> <u>Staining NG Cytology slides</u> SP511 Staining of Cytological Preparations using Stainmate for: TP27 Non Gynae Cytology Prep</p>
<p>Alcohol- Fixed Cytological Preparations on Microscope Slides</p>	<p>Differentiation of cell types and identification of normal and abnormal cells</p>	<p>Haematoxylin and Eosin Stain</p>
<p>Alcohol- Fixed Cytological Preparations on Microscope Slides</p>	<p>Differentiation of cell types and identification of normal and abnormal cells</p>	<p>Papanicolaou Stain</p>



8544
Accredited to
ISO 15189:2012

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Lancashire Teaching Hospitals NHS Foundation Trust
Issue No: 006 Issue date: 06 April 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES AND FLUIDS</p> <p>Air- Dried Cytological Preparations on Microscope Slides</p> <p>Diagnostic Cytology Samples including fluids, FNAs and Brushings</p> <p>Stained Tissue Sections/ Stained Cytological Preparations including Histology, Neuropathology and Diagnostic Cytology</p>	<p>Histological and Cytological examinations to assist in clinical diagnosis</p> <p>Differentiation of cell types</p> <p>Microscopic identification of cellular structures and abnormality for the purpose of clinical diagnosis.</p>	<p>Macroscopic and Microscopic Examination using documented in house methods and manufacturers' instructions for:</p> <p><u>Diagnostic Cytology</u> SP607 Giemsa Rapid Stain Kit</p> <p><u>Diagnostic Cytology</u> SP347 Preparing Thromboplastin Clots</p> <p><u>Consultants and BMS Reporting</u> Reporting of Cellular Pathology Samples SP 661 Using the Consultant Workplace in SWL to report Cellular Pathology Specimens</p>
END		