


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL</p> <p>8191</p> <p>Accredited to ISO 15189:2022</p>	<p>North Bristol NHS Trust</p> <p>Issue No: 004 Issue date: 26 November 2025</p>	
	<p>Department of Neuropathology Pathology Science Building (Phase II) Southmead Hospital Bristol BS10 5NB</p>	<p>Contact: Elizabeth Miller Tel: +44 (0)117 414 2401 E/Mail: elizabeth.miller@nbt.nhs.uk Website: www.nbt.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 BODY TISSUE AND FLUIDS</p> <p>Tissue samples, predominantly from the central nervous system, (Excludes any CNS samples taken for forensic examination)</p> <p>Formalin Fixed Paraffin Embedded Tissue</p>	<p><u>Neuropathology examinations to assist in clinical investigations</u></p>	<p>Documented in house procedures in conjunction with manufacturer's instructions for:</p> <p>Dissection NP/LAB/SOP/003</p> <p>Decalcification NP/LAB/SOP/003, NP/LAB/SOP/075</p> <p>Tissue Processing Sakura VIP 6</p> <p>Embedding Leica Arcadia H embedding centre and Arcadia C cold plate NP/LAB/SOP/004</p> <p>Microtomy Rotary Microtome – Leica RM2235 and Leica HistoCore BIOCUT Microtome NP/LAB/SOP/005</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Formalin Fixed Paraffin Embedded Tissue (FFPE) sections on glass slides</p>	<p><u>Neuropathology examinations to assist in clinical investigations</u> (cont'd)</p> <p>Special tinctorial staining for the demonstration of:</p> <p>Basophilic and eosinophilic structure</p> <p>Collagen</p> <p>Connective tissue (reticulin fibres)</p> <p>Mucopolysaccharides and elastic fibres</p> <p>Mucins – acid and neutral</p> <p>Elastic fibres and mast cell granules</p> <p>Gram positive and Gram negative organisms</p> <p>Myelin, nissl substance, glial cells</p> <p>Muscle, bone, hyaline casts, erythrocytes, fibrin, collagen</p> <p>Muscle, rbc, fibrin, collagen</p>	<p>Documented in house procedures in conjunction with manufacturer's instructions for:</p> <p>Histochemical Staining using Manual Techniques</p> <p>Haematoxylin and Eosin NP/LAB/SOP/042</p> <p>Haematoxylin Van Gieson NP//LAB//SOP//047</p> <p>Reticulin stain NP//LAB//SOP//044</p> <p>Alcian Blue Verhoef's Van Gieson NP//LAB//SOP//063</p> <p>Alcian Blue/PAS NP//LAB//SOP//033</p> <p>Elastic Van Gieson NP//LAB//SOP//046</p> <p>Gram Twort NP//LAB//SOP//036</p> <p>Luxol fast blue/Cresyl violet NP/LAB//SOP//037</p> <p>Martius Scarlet Blue NP//LAB//SOP//038</p> <p>Masson Trichrome NP//LAB//SOP//051</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Formalin Fixed Paraffin Embedded Tissue (FFPE) sections on glass slides (cont'd)</p> <p>Tissue samples, predominantly from the central nervous system on FFPE slides (Formalin fixed paraffin embedded)</p>	<p><u>Neuropathology examinations to assist in clinical investigations</u> (cont'd)</p> <p>Special tinctorial staining for the demonstration of:</p> <p>Fungi, some bacteria, cerebrosides and sphingomyelin, sialomucins and neutral mucins, glycogen, starch, elastin, reticulin, some lipofuscins</p> <p>Ferric iron</p> <p>Myelin sheaths</p> <p>Amyloid, elastic fibres</p> <p>Fungi</p> <p>Acid fast bacilli</p> <p>Immunohistochemistry of Histopathology samples of neurological origin to demonstrate the following:</p> <p>Corticotrophs in adenohipophysis</p> <p>Lewy Body Pathology</p>	<p>Documented in house procedures in conjunction with manufacturer's instructions for:</p> <p>Histochemical Staining using Manual Techniques</p> <p>Periodic Acid Schiff and Periodic Acid Schiff/Diastase NP//LAB//SOP/035 & NP//LAB/SOP//034</p> <p>Perl's Prussian blue NP/LAB/SOP/039</p> <p>Solochrome Cyanine NP/LAB/SOP/040</p> <p>Sirius Red NP/LAB/SOP/049</p> <p>Tome (Grocott) method NP/LAB/SOP/045</p> <p>Ziehl/Neelsen (ZN) NP/LAB/SOP/041</p> <p>Documented in house procedures in conjunction with manufacturer's instructions for: Immunocytochemistry Automated using Ventana Benchmark Ultra NP/LAB/SOP/007 incorporating the following antibodies:</p> <p>Adrenocorticotrophic Hormone</p> <p>Alpha synuclein</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Tissue samples, predominantly from the central nervous system on FFPE slides (Formalin fixed paraffin embedded) (cont'd)</p>	<p><u>Neuropathology examinations to assist in clinical investigations</u> (cont'd)</p> <p>Immunohistochemistry of Histopathology samples of neurological origin to demonstrate the following:</p> <p>AT8 Clone of TAU</p> <p>Anaplastic oligo and anaplastic astrocytomas</p> <p>Atypical teratoid/rhabdoid tumours.</p> <p>10 amino acid sequence from amyloid beta protein.</p> <p>Labels senile plaques, extraneuronal tangles</p> <p>Reacts with cytokeratin 52 kDa (Moll #8) & weakly with cytokeratin 43 kDa (Moll #7). Not Moll #18</p> <p>T cells</p> <p>Plasma cells</p> <p>B/Cell Marker</p> <p>Endothelial cell marker.</p> <p>Endothelial cells of blood vessels.</p> <p>Germinoma marker</p> <p>Pan T/B cell marker</p> <p>Monocytes and macrophages</p> <p>Neuroendocrine marker for tumours</p> <p>54kD cytokeratin.</p>	<p>Documented in house procedures in conjunction with manufacturer's instructions for: Immunocytochemistry Automated using Ventana Benchmark Ultra NP/LAB/SOP/007 incorporating the following antibodies:</p> <p>AT8 (PHF/TAU AT8)</p> <p>ATRX</p> <p>BAF 47</p> <p>Beta amyloid protein 4G8</p> <p>Beta amyloid precursor protein</p> <p>CAM 5.2</p> <p>CD3</p> <p>CD138</p> <p>CD20 (L26)</p> <p>CD31</p> <p>CD34 (endothelial cell)</p> <p>CD117</p> <p>CD45 (Leucocyte common ab)</p> <p>CD68 (macrophage KP1)</p> <p>Chromogranin A</p> <p>Cytokeratin 7</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Tissue samples, predominantly from the central nervous system on FFPE slides (Formalin fixed paraffin embedded) (cont'd)</p>	<p><u>Neuropathology examinations to assist in clinical investigations</u> (cont'd)</p> <p>Immunohistochemistry of Histopathology samples of neurological origin to demonstrate the following:</p> <p>46kD intermediate filament protein.</p> <p>Rhabdomyosarcoma, leiomyoma, leiomyosarcoma and mesotheliomas. Desminopathies in muscle</p> <p>Epithelia marker (secretory). Clone E29</p> <p>Beta sub/unit of FSH,</p> <p>Astrocytes and some ependymal cells</p> <p>Somatotroph cells</p> <p>Histone H3 with K27M mutation</p> <p>Melanosome/Melanoma</p> <p>Herpes Simplex Virus 1</p> <p>Herpes Simplex Virus 2</p> <p>Placenta trophoblasts, hydatiform mole, choriocarcinoma.</p> <p>Astrocytoma and oligodendroglioma tumour cell marker</p> <p>Kappa +ve plasma cells</p> <p>Lamda +ve plasma cells</p>	<p>Documented in house procedures in conjunction with manufacturer's instructions for: Immunocytochemistry Automated using Ventana Benchmark Ultra NP/LAB/SOP/007 incorporating the following antibodies:</p> <p>Cytokeratin 20</p> <p>Desmin</p> <p>Epithelial membrane antigen</p> <p>Follicle stimulating hormone</p> <p>Glial fibrillary acidic protein</p> <p>Growth hormone</p> <p>Histone H3, K27M mutant</p> <p>HMB45 (melanoma)</p> <p>Herpes Simplex Virus 1</p> <p>Herpes Simplex Virus 2</p> <p>Human chorionic gonadotrophin</p> <p>IDH1 R132H</p> <p>Kappa light chains</p> <p>Lamda light chains</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Tissue samples, predominantly from the central nervous system on FFPE slides (Formalin fixed paraffin embedded) (cont'd)</p>	<p><u>Neuropathology examinations to assist in clinical investigations</u> (cont'd)</p> <p>Immunohistochemistry of Histopathology samples of neurological origin to demonstrate the following:</p> <p>Ki/67. Labels proliferating cells</p> <p>Myelin Proteolipid Protein</p> <p>For Type I fibres</p> <p>Neuronal specific nuclear protein</p> <p>200 & 70 KDA (Phosphorylated)</p> <p>Neurones and neuroendocrine system.</p> <p>Oligodendroglioma marker, nuclear staining.</p> <p>Tumour suppressor gene</p> <p>Multimeric signal protein</p> <p>Pituitary hormone</p> <p>Glial & ependymal cells, & Schwann cells of PNS</p> <p>Simian Vacuolating Virus 40</p> <p>Neurons & neuroendocrine cells.</p>	<p>Documented in house procedures in conjunction with manufacturer's instructions for:</p> <p>Immunocytochemistry Automated using Ventana Benchmark Ultra NP/LAB/SOP/007 incorporating the following antibodies:</p> <p>MIB1</p> <p>Myelin PLP</p> <p>Myosin slow (Type I)</p> <p>Neu N</p> <p>Neurofilament (Phos Dako)</p> <p>Neuron specific enolase</p> <p>Oligodendrocyte transcription factor2</p> <p>P53</p> <p>P62</p> <p>Prolactin</p> <p>S100</p> <p>Simian Vacuolating Virus 40</p> <p>Synaptophysin</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Tissue samples, predominantly from the central nervous system on FFPE slides (Formalin fixed paraffin embedded) (cont'd)</p>	<p><u>Neuropathology examinations to assist in clinical investigations</u> (cont'd)</p> <p>Immunohistochemistry of Histopathology samples of neurological origin to demonstrate the following:</p> <p>Ubiquitin-positive and tau-negative inclusions</p> <p>Beta sub/unit of TSH & thyrotropic cells</p> <p>Toxoplasma Gondii</p> <p>Mesenchymal origin.</p> <p>Varicella Zoster Virus</p>	<p>Documented in house procedures in conjunction with manufacturer's instructions for: Immunocytochemistry Automated using Ventana Benchmark Ultra NP/LAB/SOP/007 incorporating the following antibodies:</p> <p>TDP/43</p> <p>Thyroid stimulating hormone</p> <p>Toxoplasma Gondii</p> <p>Vimentin</p> <p>Varicella Zoster Virus</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Muscle biopsy</p> <p>Muscle biopsy on FFPE slides (Formalin fixed paraffin embedded)</p>	<p><u>Neuropathology examinations to assist in clinical investigations</u> (cont'd)</p> <p>Histological examination of muscle and nerve biopsy material to assist in clinical investigations</p> <p>Demonstration of:</p> <p>Basophilic and eosinophilic structures</p> <p>Collagen</p> <p>Amyloid, elastic fibres</p>	<p>Documented in house procedures in conjunction with manufacturer's instructions for: Specimen Preparation NP/LAB/SOP/013</p> <p>Embedding: Arcadia H embedding centre and Arcadia C cold plate NP/LAB/SOP/004</p> <p>Microtomy: Rotary Microtome – Leica RM2235 and Leica HistoCore BIOCUT Microtome NP/LAB/SOP/005</p> <p>Histochemical Staining using Manual Techniques</p> <p>Haematoxylin and Eosin NP/LAB/SOP/042</p> <p>Haematoxylin Van Gieson NP/LAB/SOP/047</p> <p>Sirius Red NP/LAB/SOP/049</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Frozen Muscle biopsy</p>	<p><u>Neuropathology examinations to assist in clinical investigations</u> (cont'd)</p> <p>Examination of frozen tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis</p> <p>Demonstration of:</p> <p>Lysosomes</p> <p>Cytochrome Oxidase activity</p> <p>Mitochondrial myopathy</p> <p>Mitochondria/ Ragged Red Fibres</p> <p>Basophilic and eosinophilic structures</p> <p>Collagen</p> <p>ATPase activity</p> <p>Myodenylate Deaminase activity</p> <p>NADH/Tetrazolium activity</p>	<p>Documented in house procedures in conjunction with manufacturer's instructions for:</p> <p>Specimen Preparation NP/LAB/SOP/013</p> <p>Cryotomy NP/LAB/SOP/012</p> <p>Cryostat – Leica CM3050S</p> <p>Histochemical Staining Using Manual Techniques</p> <p>Acid Phosphatase Napthol AS/BI Phosphate NP/LAB//SOP/064</p> <p>Cytochrome Oxidase activity NP/LAB/SOP/067</p> <p>Cytochrome Oxidase/ Succinic Dehydrogenase NP/LAB/SOP/068</p> <p>Gomori Trichrome NP/LAB/SOP/070</p> <p>Haematoxylin and Eosin NP/LAB/SOP/073</p> <p>Haematoxylin Van Gieson NP/LAB/SOP/074</p> <p>Metachromatic ATPase NP/LAB/SOP/066</p> <p>Myodenylate Deaminase NP/LAB/SOP/059</p> <p>NADH/Tetrazoium Reductase NP/LAB/SOP/071</p>



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Neuropathology examinations to assist in clinical investigations</u> (cont'd)	In house documented methods and manufacturer's instructions
Frozen Muscle biopsy (cont'd)	Demonstration of: (cont'd)	Histochemical Staining Using Manual Techniques (cont'd)
	Lipids	Oil Red O NP/LAB/SOP/043
	Glycogen	Periodic Acid Schiffs & Periodic Acid Schiffs/ Diastase NP/LAB/SOP/035/036
	Phosphofructokinase activity	Phosphofructokinase NP/LAB/SOP/057
	Phosphorylase activity	Phosphorylase NP/LAB/SOP/072
	SDH activity	Succinate Dehydrogenase NP/LAB/SOP/058
Nerve biopsy	Examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Documented in house procedures in conjunction with manufacturer's instructions for: Specimen Preparation NP/LAB/SOP/013 Embedding: Arcadia H embedding centre and Arcadia C cold plate NP/LAB/SOP/004 Microtomy: Rotary Microtome – Leica RM2235 and Leica HistoCore BIOCUT Microtome NP/LAB/SOP/005



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Nerve biopsy on FFPE slides (Formalin fixed paraffin embedded)</p>	<p><u>Neuropathology examinations to assist in clinical investigations</u> (cont'd)</p> <p>Demonstration of:</p> <p>Basophilic and eosinophilic structures</p> <p>Collagen</p> <p>Amyloid, elastic fibres</p> <p>Ferric iron</p>	<p>In house documented methods and manufacturer's instructions</p> <p>Histochemical Staining Using Manual Techniques</p> <p>Haematoxylin and Eosin NP/LAB/SOP/042</p> <p>Haematoxylin Van Gieson NP/LAB/SOP/047</p> <p>Sirius Red NP/LAB/SOP/049</p> <p>Perl's Prussian blue NP/LAB/SOP/039</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Frozen Nerve biopsy</p>	<p><u>Neuropathology examinations to assist in clinical investigations</u> (cont'd)</p> <p>Examination of frozen tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis</p> <p>Demonstration of:</p> <p>Basophilic and eosinophilic structures</p> <p>Collagen</p> <p>Lipids</p> <p>Fungi, some bacteria, cerebroside and sphingomyelin, sialomucins and neutral mucins, glycogen, starch, elastin, reticulin, some lipofuscins</p> <p>Myelin sheaths</p>	<p>In house documented methods and manufacturer's instructions</p> <p>Documented in house procedures in conjunction with manufacturer's instructions for: Specimen Preparation NP/LAB/SOP/013</p> <p>Cryotomy NP/LAB/SOP/012</p> <p>Cryostat – Leica CM3050S</p> <p>Histochemical Staining Using Manual Techniques</p> <p>Haematoxylin and Eosin NP/LAB//SOP/073</p> <p>Haematoxylin Van Gieson NP/LAB//SOP/074</p> <p>Oil Red O NP/LAB//SOP/043</p> <p>Periodic Acid Schiff and Periodic Acid Schiff/Diastase NP/LAB/SOP/035 & NP/LAB/SOP/034</p> <p>Solochrome Cyanine NP/LAB/SOP/040</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Fresh central nervous system tissue samples.</p> <p>Slides prepared as above</p>	<p><u>Neuropathology examinations to assist in clinical investigations</u> (cont'd)</p> <p>Intra/operative smears or frozen sectioning for the detection of abnormal cells</p> <p>Morphological assessment and interpretation/diagnosis</p>	<p>In house documented methods and manufacturer's instructions</p> <p>Supported by:</p> <p>NP/LAB/SOP/010; NP/LAB/SOP/012</p> <p>Cryostat – Leica CM3050S</p> <p>NP/MGT/SOP/004 NP/MGT/SOP/005 NP/MGT/SOP/007</p>
END		