


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 9480 Accredited to ISO 15189:2012	NHS Lanarkshire	
	Issue No: 004 Issue date: 16 November 2021	
	Department of Cellular Pathology Monklands Hospital Airdrie ML6 0JS	Contact: Allan Wilson Tel: +44 (0)1236 712091 Fax: +44 (0)1236 713050 E-Mail: allan.wilson@lanarkshire.scot.nhs.uk Website: www.nhslanarkshire.org.uk
Testing performed at the above address only		

Site activities performed away from the locations listed above:

Location details	Activity
FNA clinic Monklands Hospital Airdrie ML6 0JS	FNA sample collection Renal biopsy adequacy assessment
FNA clinic Wishaw Hospital 50 Netherton Street Wishaw ML2 0DP	FNA sample collection



9480
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

NHS Lanarkshire

Issue No: 004 **Issue date:** 16 November 2021

Testing performed at main address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN BODY TISSUE</p> <p>Tissue: biopsy, excision and resection</p> <p>Formalin Fixed Paraffin wax blocks of processed tissue including cytology clots.</p> <p>Formalin Fixed Paraffin wax blocks</p> <p>Fresh tissue</p> <p>FFPE slides (Formalin fixed paraffin embedded) tissue on glass slides</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u></p> <p>Examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis</p> <p>Frozen section to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis</p> <p>Routine morphological staining for the detection of:</p> <p>Basophilic and eosinophilic structures</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Specimen dissection LP-LPAT-DissOper [LP-1752]</p> <p>Tissue Processing using Thermo Excelsior AS (x3) and Thermo Excelsior (x2) processors LP-LPAT-TissueProcessing [LP-1753]</p> <p>Tissue Embedding using Thermo Histostar and Sakura Tissue Tek embedding centres LP-LPAT-TissEmbed[LP-1754]</p> <p>Tissue Sectioning using Thermo Finesse E+ and Thermo Finesse ME+ microtomes LP-LPAT-Microtomy[LP-1757]</p> <p>Thermo Shandon Cryotome FSE Manual H&E staining LP-LPAT-Cryotomy [LP-1857]</p> <p>Automated Haematoxylin and Eosin stain using Dako Coverstainer LP-LPAT-CStainer [LP-1759]</p>



9480
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

NHS Lanarkshire

Issue No: 004 Issue date: 16 November 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 BODY TISSUE (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded) tissue on glass slides</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis cont'd</u></p> <p>Special stains for the detection of:</p> <p>Acid Mucopolysaccharides</p> <p>Acid and Neutral Mucopolysaccharides</p> <p>Tubercle Bacilli</p> <p>Allows differentiation of white blood cells</p> <p>Amyloid</p> <p>Helicobacter</p> <p>Elastic Fibres</p> <p>Elastic fibres, collagen, fibrin</p> <p>Elastic fibres and connective tissue</p> <p>Gram positive and negative microorganisms</p> <p>Fungi, Melanin</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Documented in-house procedures for special stains using Roche BenchMark automated special stainer and manual methods</p> <p>LP-LPAT-SpecStains [LP-1844] LP-LPAT-BSS [LP-1845]</p> <p>Alcian blue – Manual method</p> <p>Alcian blue PAS+/- diastase - Manual method</p> <p>Auramine rhodamine - Manual method</p> <p>Bailey's acid giemsa - Manual method</p> <p>Congo red – Automated and Manual methods</p> <p>Cresyl violet – Manual method</p> <p>Elastic H&E – Manual method</p> <p>Elastic MSB/MSB– Manual method</p> <p>EVG - Manual method</p> <p>Gram – Manual method</p> <p>Gms - Automated and Manual methods</p>



9480
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

NHS Lanarkshire

Issue No: 004 Issue date: 16 November 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY TISSUE (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u>	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
FFPE slides (Formalin fixed paraffin embedded) tissue on glass slides (cont'd)	Special stains for the detection of: (cont'd)	Documented in-house procedures for special stains using Roche BenchMark automated special stainer and manual methods
	Acid mucins, more sensitive than Alcian Blue for scanty deposits	Hale's colloidal iron -Manual method
	Glomeruli	Jones light green – Automated and Manual methods
	Melanin	Masson fontana - Manual method
	Connective tissue	Masson trichrome - Manual methods
	Copper associated protein and Hepatitis B	Shikata orcein – Manual methods
	Neutral Mucopolysaccharides, glycogen and fungus	Periodic acid schiff +/-diastase – Automated and Manual methods
	Haemosiderin and ferric iron	Iron stain (Perls) – Automated and Manual methods
	Reticulin Fibres	Reticulin stain - Automated and Manual methods
	Amyloid	Sirius red - Manual method
	Amyloid	Thioflavin T - Manual method
	Mast cells	Toluidine blue - Manual method
	Connective Tissue	Van gieson - Manual method
	Calcium	Von kossa - Manual method



9480
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

NHS Lanarkshire

Issue No: 004 **Issue date:** 16 November 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY TISSUE (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u>	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
FFPE slides (Formalin fixed paraffin embedded) tissue on glass slides (cont'd)	Special stains for the detection of: (cont'd) Leprosy Bacilli Tubercle Bacilli	Documented in-house procedures for special stains using Roche BenchMark automated special stainer and manual methods Wade fite - Manual method Ziehl-Neelsen –Automated and Manual methods
FFPE slides (Formalin fixed paraffin embedded) tissue on glass slides	Immunohistochemistry to detect the following: Muscle malignant tumours, Soft tissue neoplasms, Spindle cell tumours, Benign muscle tumours, Myoepithelial cells in breast, basal cells in prostate, myofibroblastic differentiation Epithelial differentiation, Small round blue cell tumours, Specific soft tissue tumour Embryonic cell in normal tissues and germ tumours Hodgkin vs Non-Hodgkin Lymphoma, Soft tissue tumour, ALCL, Inflammatory myofibroblastic tumour HGPIIN, prostate adenocarcinoma	Using Roche BenchMark Ultra ICC stainers SN312469 SN312414 SN312421 SN312260 LP-LPAT-ICC[LP-1849] Incorporating the following antibodies: ACTIN AE1/3 AFP ALK1 AMACR



9480
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

NHS Lanarkshire

Issue No: 004 Issue date: 16 November 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 BODY TISSUE (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded) tissue on glass slides (cont'd)</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u></p> <p>Immunohistochemistry to detect the following: (cont'd)</p> <p>Hairy Cell Leukaemia</p> <p>Diffuse lymph-proliferative disease and neoplastic cells of follicular lymphomas.</p> <p>B Cell Lymphoma, Hodgkin vs Non-Hodgkin Lymphoma</p> <p>Epithelial cell types Cytological epithelial differentiation Pleura: Adenocarcinoma vs Mesothelioma,</p> <p>T cell receptors</p> <p>B cell Oct binding protein 1</p> <p>Colon vs Ovarian Carcinoma</p> <p>Adenocarcinoma & TCC excluding HCG, prostatic & renal in certain clinical settings.</p> <p>Medullary Thyroid Carcinoma</p> <p>Adrenocortical Tumours, Pleura: Adenocarcinoma vs Mesothelioma, adenomatoid tumours, sex cord stromal tumours</p> <p>Differential diagnosis: Carcinoma vs non- epithelial tumour</p> <p>Specific Carcinomas, B Cell Lymphomas, Kidney: Renal Epithelial Tumours, endometrial stromal sarcoma, AFX</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Using Roche BenchMark Ultra ICC stainers</p> <p>ANNEXIN</p> <p>BCL2</p> <p>BCL6</p> <p>BerEP4</p> <p>BETA F1</p> <p>BOB 1</p> <p>CA125</p> <p>CA19.9</p> <p>CALCITONIN</p> <p>CALRET</p> <p>CAM5.2</p> <p>CD10</p>



9480
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

NHS Lanarkshire

Issue No: 004 **Issue date:** 16 November 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY TISSUE (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u>	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
FFPE slides (Formalin fixed paraffin embedded) tissue on glass slides (cont'd)	Immunohistochemistry to detect the following: (cont'd)	Using Roche BenchMark Ultra ICC stainers
	GIST: Mutation vs Wild Type, Mastocytosis, Germ Cell Tumours, Kidney: Renal epithelial Tumours, Mast Cells	CD117
	Plasma cell Neoplasm, Lymphoproliferative Neoplasms	CD138
	Hodgkin vs Non-Hodgkin Lymphomas, Skin: Adnexal Tumours, Adenocarcinoma vs Mesothelioma	CD15
	Lymph node, Langerhans cell histiocytosis, thymoma	CD1A
	T Cell Lymphoma, Mastocytosis	CD2
	B Cell Lymphomas, Lymphoblastic Lymphomas: B Cell vs T cell	CD20
	Lymph Node, Follicular Dendritic cells	CD21
	B Cell Lymphomas, Follicular Dendritic cells	CD23
	Activated T cells and EBV positive cells	CD25
	B Cell vs T Cell, Lymphoma, T Cell Lymphoma	CD3
	Hodgkin vs Non-Hodgkin Lymphomas, Germ Cell Tumours	CD30
	Spindle Cell tumours, Endothelium and endothelial tumours	CD31
	Acute myeloid leukaemia	CD33



9480
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

NHS Lanarkshire

Issue No: 004 **Issue date:** 16 November 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 BODY TISSUE (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded) tissue on glass slides (cont'd)</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u></p> <p>Immunohistochemistry to detect the following: (cont'd)</p> <p>Specific Spindle Cell Tumours, Certain Epithelioid soft tissue tumours</p> <p>CLL - prognostic</p> <p>T Cell Lymphoma, Histiocytic Lesions</p> <p>Platelets & Megakaryocytes</p> <p>Lymphoma, acute Myeloid Leukaemia, Plasma Cells</p> <p>Lymphoid differentiation</p> <p>Thymus, B Cell Lymphomas, Lymphoblastic Lymphomas: B Cell vs T Cell, T Cell Lymphomas, MCL, CLL</p> <p>Thymus, Neuroid Skin Lesions, T Cell Lymphomas, Small round blue cell tumours, Hodgkin's vs Non-Hodgkin's Lymphoma</p> <p>Neoplastic Plasma cells, Pancreatic Tumours, Spindle Cell tumours, T Cell Lymphomas, Neuroendocrine tumours</p> <p>Acute Myeloid Leukaemia, Lymph Node, Histiocytic differentiation</p> <p>Lymphoblastic Lymphomas: B Cell vs T Cell, T Cell lymphomas</p> <p>Follicular centre cell lymphoma</p> <p>B Cell Lymphomas, Plasma Cells</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Using Roche BenchMark Ultra ICC stainers</p> <p>CD34</p> <p>CD38</p> <p>CD4</p> <p>CD42B</p> <p>CD43</p> <p>CD45</p> <p>CD5</p> <p>CD57</p> <p>CD56</p> <p>CD68</p> <p>CD7</p> <p>CD75</p> <p>CD79A</p>



9480
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

NHS Lanarkshire

Issue No: 004 **Issue date:** 16 November 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 BODY TISSUE (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded) tissue on glass slides (cont'd)</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u></p> <p>Immunohistochemistry to detect the following: (cont'd)</p> <p>T Cell Lymphomas</p> <p>Certain Soft Tissue Sarcoma, Skin: Spindle Cell Tumours, Sex Cord Stromal Tumours, Thymoma</p> <p>Carcinomas, Lower GI Carcinomas</p> <p>Liver: Malignant vs Benign, Pleura: Adenocarcinoma vs Mesothelioma, Carcinomas, HCC</p> <p>Neuroendocrine differentiation, Certain Retroperitoneal lesions, Adrenal medullary tumours</p> <p>Pleura: Adenocarcinoma vs Mesothelioma, Lymphatics, Skin: Certain Spindle Cell Tumours, Germ Cell Tumours vs Somatic Adenocarcinoma, Renal Cell Carcinoma vs Haemangioblastoma</p> <p>Identification of the origin of certain carcinomas</p> <p>Prostate: Malignant vs Benign, Prostate basal cells</p> <p>Epithelial differentiation, Certain Soft tissue tumour</p> <p>Cytomegalovirus</p> <p>Plasma Cells, MCL, Melanoma</p> <p>Hairy Cell Leukaemia</p> <p>Smooth and skeletal muscle differentiation</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Using Roche BenchMark Ultra ICC stainers</p> <p>CD8</p> <p>CD99</p> <p>CDX2</p> <p>CEA</p> <p>CHROMOG</p> <p>CK5/6</p> <p>CK7</p> <p>CKB</p> <p>CKMNF116</p> <p>CMV</p> <p>CYC D1</p> <p>DBA44</p> <p>DESMIN</p>



9480
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

NHS Lanarkshire

Issue No: 004 **Issue date:** 16 November 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 BODY TISSUE (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded) tissue on glass slides (cont'd)</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u></p> <p>Immunohistochemistry to detect the following: (cont'd)</p> <p>Breast Carcinoma, Small Cell Carcinoma vs Merckel Cell Carcinoma</p> <p>Hodgkin vs Non-Hodgkin Lymphomas, Skin: Adnexal Tumours, Skin: Basal vs Squamous Cell Carcinoma. Carcinomas. Certain Sarcomas</p> <p>Breast Carcinomas, Endometrial Carcinomas</p> <p>Factor VIII in endothelial cells</p> <p>Differentiating luminal breast epithelial cells and gynae epithelial cells</p> <p>Carcinomas, Carcinoma differential diagnosis, Breast Lesion, Breast vs Lung vs Prostate Carcinoma</p> <p>Glial fibrillary protein</p> <p>To aid in the classification of neoplasms derived from the erythroid lineage (e.g. leukaemia)</p> <p>T Cell Lymphomas, Hodgkin vs Non-Hodgkin Lymphoma</p> <p>Liver: Malignant vs Benign</p> <p>Human herpes virus 8 Kaposi</p> <p>Germ Cell Tumours vs Somatic Adenocarcinoma, Placental Trophoblastic Cells, Placental Trophoblastic Proliferations</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Using Roche BenchMark Ultra ICC stainers</p> <p>E CAD</p> <p>EMA</p> <p>ER</p> <p>Factor V111</p> <p>GATA3</p> <p>GCDFP</p> <p>GFAP</p> <p>Glycophorin C</p> <p>GZB</p> <p>HEPATO</p> <p>HHV-8</p> <p>HCG</p>



9480
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

NHS Lanarkshire

Issue No: 004 **Issue date:** 16 November 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 BODY TISSUE (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded) tissue on glass slides (cont'd)</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u></p> <p>Immunohistochemistry to detect the following: (cont'd)</p> <p>Melanocytic Lesions, PEComa, Adrenal tumours</p> <p>Human Papilloma virus 18, cervical tissue</p> <p>Adrenal Tumours, Germ Cell Tumours vs Carcinoma, Sex Cord Stromal Tumours</p> <p>B Cell Lymphomas, Immunoglobulin Heavy and Light Chain Differentiation</p> <p>Cell Proliferation, Bladder Dysplasia vs Reactive</p> <p>B Cell Lymphomas, Immunoglobulin Heavy and Light Chain Differentiation</p> <p>Melanotic Tumours, Adrenal Tumours, PEComa</p> <p>Melanotic Tumours, Adrenal Tumours, PEComa</p> <p>Melanocytic Lesions</p> <p>Melanocytic Lesions</p> <p>Adeno / Meso panel</p> <p>Muscle Actin</p> <p>B Cell Lymphomas, Hodgkin vs Non-Hodgkin Lymphomas, Myeloma, Melanoma</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Using Roche BenchMark Ultra ICC stainers</p> <p>HMB45</p> <p>HPV18</p> <p>INHIBIN</p> <p>KAPPA</p> <p>KI 67</p> <p>LAMBDA</p> <p>MEL A RED</p> <p>MELA</p> <p>MITF1 RED</p> <p>MITF1</p> <p>MOC 31</p> <p>MSA</p> <p>MUM1</p>



9480
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

NHS Lanarkshire

Issue No: 004 **Issue date:** 16 November 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 BODY TISSUE (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded) tissue on glass slides</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u></p> <p>Immunohistochemistry to detect the following:</p> <p>Papillary Thyroid Carcinoma Certain Cutaneous Neoplasm, Pancreas</p> <p>Bladder: Dysplasia vs Reactive, Carcinomas, Cutaneous Neoplasm. Used in identifying the Origin of Certain Carcinomas</p> <p>Spindle cell squamous cancer, lung cancer vs mesothelioma</p> <p>HCC, germ cell tumours, Melanoma, Wilms tumour</p> <p>Melanocytic Lesions, PEComa, Adrenal tumours</p> <p>Human Papilloma virus</p> <p>Cell Proliferation, Bladder Dysplasia vs Reactive</p> <p>Pleura: Adenocarcinoma vs Mesothelioma, Colon vs Ovarian Carcinoma, Kidney: Renal Epithelial Tumours, Skin: Basal vs Squamous Cell Carcinoma, Carcinomas</p> <p>Myeloproliferative disorder</p> <p>Lung Adeno CA</p> <p>Neuronal tissue, Neuroendocrine differentiation</p> <p>B Cell Lymphomas, Hodgkin vs Non-Hodgkin Lymphomas, Acute Myeloid Leukaemia</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Using Roche BenchMark Ultra ICC stainers cont'd</p> <p>CK19</p> <p>CK20</p> <p>CK5</p> <p>GLYPICAN 3</p> <p>HMB45R</p> <p>HPVR</p> <p>KI67R</p> <p>MOC-31(ERA)</p> <p>MYELO</p> <p>NAPSIN</p> <p>NSE</p> <p>OCT 2</p>



9480
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

NHS Lanarkshire

Issue No: 004 **Issue date:** 16 November 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 BODY TISSUE (cont'd)</p> <p>FFPE slides (Formalin fixed paraffin embedded) tissue on glass slides (cont'd)</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u></p> <p>Immunohistochemistry to detect the following: (cont'd)</p> <p>P16 protein – Head and Neck carcinoma, Cervical Squamous Carcinoma</p> <p>Pulmonary Sq cell CA & Urological ca</p> <p>Ovarian tumours, Barrett's Oesophagus, Bladder Dysplasia vs Reactive, Liver: Malignant vs Benign, Mesothelial Cells: Malignant vs Benign</p> <p>Uterus Trophoblastic Proliferations</p> <p>Carcinomas, Squamous differentiation, Breast Myoepithelial cells, Prostate basal cells</p> <p>B Cell vs T Cell</p> <p>Confirming Uro-genital, Gynae tumours. Thyroid</p> <p>Gynaecological Carcinomas, Renal carcinoma, Thyroid carcinoma</p> <p>Confirm Prostatic Aden vs Normal</p> <p>Soft tissue tumours</p> <p>Plasma cells</p> <p>Breast Carcinomas, Endometrial Carcinomas</p> <p>Prostatic and neoplastic salivary gland epithelium</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Using Roche BenchMark Ultra ICC stainers</p> <p>P16</p> <p>P40</p> <p>P53</p> <p>P57</p> <p>P63</p> <p>PAX5</p> <p>PAX8</p> <p>PD1(NAT)</p> <p>PIN4/AMACR</p> <p>PLAP</p> <p>PLASMA CELL</p> <p>PR</p> <p>PSA</p>



9480
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

NHS Lanarkshire

Issue No: 004 **Issue date:** 16 November 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY TISSUE	<u>Histopathological examination activities for the purposes of clinical diagnosis cont'd</u>	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
FFPE slides (Formalin fixed paraffin embedded) tissue on glass slides	Immunohistochemistry to detect the following: Prostatic epithelium Melanocytic Lesions, Neuronal differentiation, Histiocytes, Myoepithelial differentiation Melanocytic Lesions, Neuronal differentiation, Histiocytes, Myoepithelial differentiation Amyloid A Myosin in Smooth Muscle Mantle Cell Lymphoma Alveolar Type II cells Neuroendocrine marker Tumour infiltrating lymphocytes-cytotoxic T cells & NK cells. Lymphoblastic Lymphomas Translocation assoc. RCC Thyroid epithelium Used in identifying the Origin of Certain Carcinomas, Lung, Thyroid Carcinoma and certain neuroendocrine tumours Aids in classification of neoplastic tissues of mesenchymal origin	Using Roche BenchMark Ultra ICC stainers cont'd PSAP S100 S100RED SAA SMM SOX11 SURFACTANT SYNAP TIA TdT TFE3 THYRO TTF1 VIMENTIN



9480
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

NHS Lanarkshire

Issue No: 004 **Issue date:** 16 November 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY TISSUE (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u>	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
FFPE slides (Formalin fixed paraffin embedded) tissue on glass slides (cont'd)	Immunohistochemistry to detect the following: (cont'd) Pleura: Adenocarcinoma vs Mesothelioma, Ovarian Serous Carcinoma, Small round blue cell tumours, Wilms Tumour Linker for activation of T cells Prostate adeno & normal adeno Epithelial v muscle CIN assessment Lung Cancer Lung & other Ca proliferation	Using Roche BenchMark Ultra ICC stainers WT1 ZAP 70 PIN4/RAC (dual staining) AE13/DES (dual staining) KI67/P16 (dual staining) CK56/TTF1(dual staining) CK56/Ki67 (dual staining)
FFPE slides (Formalin fixed paraffin embedded) tissue on glass slides	In situ hybridisation to detect the following: Epstein Barr Virus Kappa Light chains Lambda light chains	Using Roche BenchMark Ultra ICC stainers SN312469 SN312414 SN312421 SN312260 LP-LPAT-ICC[LP-1849] Incorporating the following antibodies: EBV (ISH) Kappa (ISH) Lambda (ISH)



9480
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

NHS Lanarkshire

Issue No: 004 **Issue date:** 16 November 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 BODY TISSUE (cont'd)</p> <p>Fresh tissue sections from skin and renal samples</p> <p>Stained slides made using processes above</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u></p> <p>Immunofluorescence to detect inflammatory skin and renal disease</p> <p>Examination of tissue sections in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Thermo Shandon Cryotome FSE CC133A0903</p> <p>Fluorescent microscope Olympus BX40F-3</p> <p>Roche BenchMark Ultra ICC stainer</p> <p>LP-LPAT-IF[LP-1821]</p> <p>Incorporating the following antibodies:</p> <p>IgG IgA IgM C3c C1q KAPPA LAMBDA</p> <p>Interpretive/diagnostic microscopy using Nikon light microscopes</p> <p>LP-LPAT-Medic&AP[LP-1242]</p>



9480
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

NHS Lanarkshire

Issue No: 004 Issue date: 16 November 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS	<u>Cytological examination activities for the purposes of clinical diagnosis</u>	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
Head and Neck FNA Lymph nodes FNA Brushings EBUS/EUS FNA's Urines Serous and Cyst fluids Bronchial washings Bronchial brushings Sputum Synovial fluid	Examination of cellular material in order to identify or exclude morphological and cytological abnormalities	Using: Thermo centrifuge x2 Hologic T2000 Manual direct smear prep. LP-LPAT-NonGynPrep [LP-106] LF-LPAT-NGTrak [LF-3189]
	Demonstration of cells (nuclei and cytoplasm) and microorganisms	Manual May Grunwald Giemsa method LP-LPAT-NonGynPrep[LP-106] Appendix7
	Demonstration of cells (nuclei and cytoplasm)	Manual Papanicolaou method LP-LPAT-NonGynPrep[LP-106] Appendix5 & 6
Liquid Based Cervical Cell Samples	Qualitative detection of HPV for diagnosis of precancerous and cancerous cervical cells.	In house documented procedures using Hologic Tomcat pre-analytical platform and targeted amplification nucleic acid probes on the Hologic Panther and using the Aptima kit. LP-1964 LP-1978
Liquid Based Cervical Cell Samples	Examination of cellular material in order to identify or exclude morphological and cytological abnormalities	Using: Hologic T5000 Autoloader Hologic T2000 manual processor Automated Papanicolaou staining using Thermo Gemini stainer Sakura coverslipper Hologic imager Olympus imager review workstations LP-LPAT-CYTOSCREEN[LP-1023] LP-LPAT-CYTOLOGYPREP[LP-10]
Stained slides made using processes above	Examination of slides in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Interpretive/diagnostic microscopy using Nikon light microscopes LP-LPAT-CytoScreen{LP-1023} LP-LPAT-CytoAdmin[LP-8] LP-LPAT-Medic&AP[LP-1242]



9480
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

NHS Lanarkshire

Issue No: 004 Issue date: 16 November 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Human Body Fluids Nasopharangeal swabs in VTM	<u>Molecular examinations for investigation for immunity and markers of infectious disease</u> Detection and differentiation of lineage β -betacoronavirus (β - β CoV) and Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) specific RNA. Specifically Orf1a/b gene targets	In-house documented methods following manufacturers' instructions Hologic Panther using TMA (target Mediated Amplification) and DKA (Dual Kinetic Assay) with the Aptima CoVID Kit LP-LPAT-1972 LP-LPAT-1986 LP-LPAT-1987
Human Body Fluids Ejaculate – seminal fluid Ejaculate – seminal fluid (post-vasectomy)	<u>Andrology examination activities for the purposes of clinical diagnosis</u> <u>Semen Analysis</u> Sperm motility Sperm concentration pH Volume Detection of presence/absence of sperm	In-house documented procedures using manual methods in conjunction with manufacturers' instructions as specified: Preparation and reporting of fertility samples using documented in-house procedures partly based on WHO guidelines 5th Edition (2010); manual microscopy using SOP: LE-LPAT-SAPROCESS LP-LPAT-SEMANALYSIS Preparation and reporting of post vasectomy semen analysis (PVSA) following documented ABA/BAS/BAUS 2016 guidelines; Using microscopy & large volume cells; LP-LPAT-POSTVAS, MC-LINE-PVSAURO, MI-LINF-POSTVAS
END		