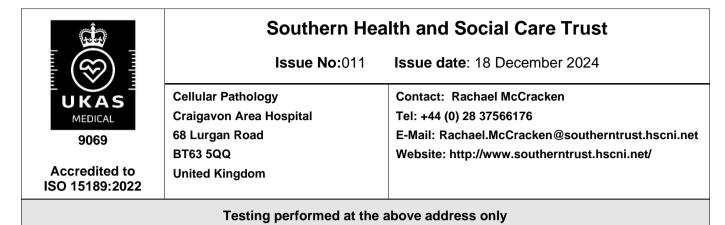
Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



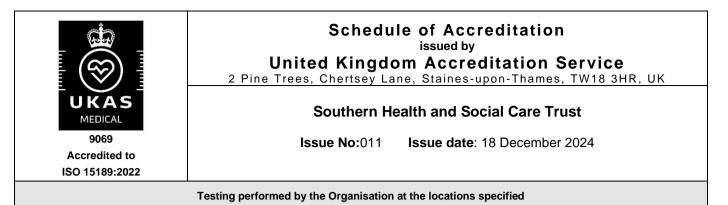
Locations covered by the organisation and their relevant activities

Additional site activity performed away from the laboratory:

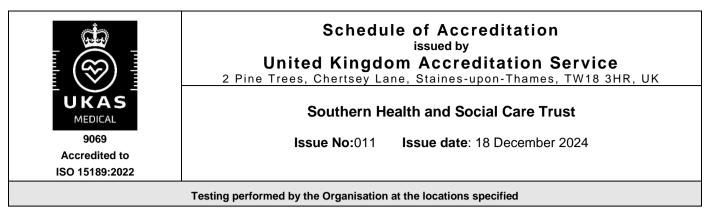
Location details	Activities
On-site Body Store	Mortuary Services (body receipt, storage and release)
Fine Needle Aspiration Clinic	EUS and EBUS FNA slide preparation, staining and provisional diagnosis

Site activities performed away from the locations listed above:

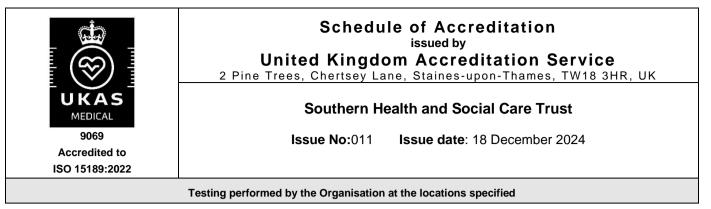
Location details	Activities
Daisy Hill Hospital Mortuary – body store 5 Hospital Road Newry BT35 8DR United Kingdom	Mortuary Services (body receipt, storage and release)
South Tyrone Hospital tissue block store Carland Road Dungannon BT71 4AU United Kingdom	Tissue block store



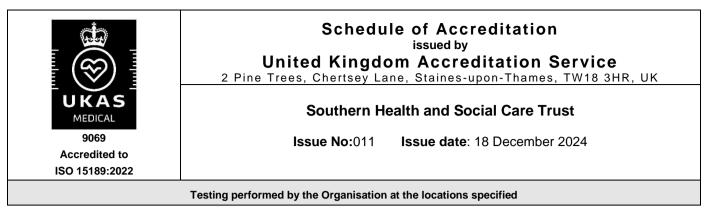
DETAIL OF ACCREDITATION		
Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY TISSUE	Histopathological examination activities for the purposes of clinical diagnosis	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
Tissue resection and biopsy specimens from the following sites: Head and Neck Cardiorespiratory Breast Gastrointestinal Female genital tract. Urology Skin Osteoarticular and soft tissue Lymph nodes (non-haematological malignancies)	Examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Tissue Dissection Down flow AFOS dissecting workstations x 5. Balances VWR LPC-213I X4 Operator manual: LPC-213IOPERATORMANUAL Sartorius BL6 x1 Operator manual: SARTORIUSOPMAN Thermo Printmate AS 450 Cassette Printer x2 SOP:SLIDEPRINTERSOPMANUAL Slicing of calcified and keratinized tissue using band saw Gryphon Diamond Band Saw C-40 SOPs: BANDSAWOPERATORMANUAL; BANDSAWUSE



Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY TISSUE (cont'd)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
Calcified and hard fibrous tissue		Rapid fixation/decalcification and softening of tissue K0S Microwave Multifunction Tissue Processor SOP: KOSMICROWAVEOPERATORMAN UAL; DISSECT
Tissue blocks		Tissue processing Fixation, dehydration, clearing and impregnation in paraffin wax in preparation for tissue embedding.
		Excelsior AS Tissue Processor Operator Manual: EXCELSIOROPMAN Reference SOP TPROCESSEXCEL
Paraffin wax impregnated tissue blocks and cytology cellblocks		Tissue paraffin wax manual embedding Standard tissue cassettes
		Thermo Scientific Microme EC 350 Operator manual: TISSUEMBEDCENTHERMOMICRO M Thermo Scientific Histo Star Operator manual: EMBEDCENTHISTOSTAROPMAN
		Para Trimmer SOP: EMBEDDINGPROTOCO



Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY TISSUE (cont'd)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
Paraffin embedded tissue and cytology cell blocks.		Trimming and cutting of tissue sections SOP: SECTIONCUT
		Biocut 2035, Microm HM325 Leica RM 2125 RTF, RM2125 RTS microtomes
		Operator manuals: BIOCUT2035OPMAN MICROMHM325OPMAN LEICARTSOPERATORMANUAL
		Leica HI1210 digitally and thermostatically controlled tissue section floatation water baths. Operator Manuals: LEICAWATERBATHUSERGUIDE
		Thermo Scientific Slidemate AS Printers Operator manual: SLIDEPRINTERSOPMANUAL



Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY TISSUE (cont'd)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
3-4µm paraffin embedded tissue sections	Identification of basophilic and acidophilic intra- and extracellular structures	Automated H&E staining Ventana HE600, Sakura Prisma. HE600 stainer and coverslipper Prisma automated H&E stainer and coverslipper. Operator manual PRISMAOPERATORMAN SOP: STAINAUTOSTAIN
		Immunohistocytochemical staining using the following equipment and primary antibodies:
Slides prepared in house as above	Morphological assessment and interpretation/diagnosis	Light microscopy SOP: MICROSCOPEADJUST
3-4µm paraffin embedded tissue sections	IHC stains for the detection of:	Ventana Benchmark Ultra SOP: IMMUNOSTAIN
	Liver marker	α-1-Fetoprotein
	Apoptosis marker	BCL-2
	Lymphoid marker	BCL-6
	Epithelial marker	Ber EP4



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HUMAN BODY TISSUE (cont'd)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
3-4µm paraffin embedded tissue sections (cont'd)	IHC stains for the detection of: (cont'd)	Immunohistocytochemical staining Ventana Benchmark Ultra SOP: IMMUNOSTAIN (cont'd)
	GI tract and pancreatic marker	CA19.9
	Thyroid tumour marker	Calcitonin
	Smooth muscle marker	Caldesmon
	Smooth muscle marker	Calponin
	Mesothelioma marker	Calretinin
	T lymphocyte marker	CD3
	T helper lymphocyte marker	CD4
	Lymphoid marker	CD5
	T cell lymphocyte marker	CD8
	Lymphoid and endometrial tumour marker	CD10
	Hodgkin's lymphoma marker	CD15
	B lymphocyte marker	CD20
	B cell lymphocyte marker	CD23
	Hodgkin's lymphoma marker	CD30
	Endothelial marker	CD31
	Endothelial marker	CD34
	Lymphocyte marker	CD45



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HUMAN BODY TISSUE (cont'd)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
3-4µm paraffin embedded tissue sections (cont'd)	IHC stains for the detection of: (cont'd)	Immunohistocytochemical staining Ventana Benchmark Ultra SOP: IMMUNOSTAIN (cont'd)
	Nerve and neuroendocrine tumour marker	CD56
	Histiocyte/macrophage marker	CD68
	B lymphocyte marker	CD79a
	Ewing's sarcoma marker	CD99
	Plasma cell marker	CD138
	GI tract tumour marker	CDX2
	Epithelial marker	CEA mono
	Epithelial marker and liver tumour marker	CEA poly
	Neuroendocrine cell marker	Chromogranin
	Pre/malignant cervical tumour marker	CINTEC p16
	Secretory epithelial marker	CK-CAM5.2
	Epithelial marker	CK-Pan K (AE1/AE3)
	Epithelial marker	CK7
	Epithelial marker	CK5/6
	Epithelial marker	CK14
	Epithelial marker	СК19
	Epithelial marker	СК20



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HUMAN BODY TISSUE (cont'd)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
3-4µm paraffin embedded tissue sections (cont'd)	IHC stains for the detection of: (cont'd)	Immunohistocytochemical staining Ventana Benchmark Ultra SOP: IMMUNOSTAIN (cont'd)
	Epithelial marker	CK34BE12
	Gastrointestinal stromal marker	С-КІТ
	Mantle cell lymphoma and breast tumour marker	Cyclin D1
	Cytomegalovirus marker	Cytomegalovirus (CMV)
	Pan muscle marker	Desmin
	GI tract stromal tumour marker	DOG 1
	Lymphocyte channel marker	D2-40
	Cell adhesion molecule marker	E-Cadherin
	Epithelial marker	ЕМА
	Prostate Marker	ERG
	Breast and urothelial marker	GATA 3
	Mesothelial marker	HBME-1
	Lung epithelial marker	HCG
	HER2 amplification marker	HER2
	Hepatocyte marker	Hepatocyte Specific Antigen
	Melanoma marker	HMB45
	Granulosa cell and mucinous epithelial ovarian tumour marker	Inhibin



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HUMAN BODY TISSUE (cont'd)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
3-4µm paraffin embedded tissue sections (cont'd)	IHC stains for the detection of: (cont'd)	Immunohistocytochemical staining Ventana Benchmark Ultra SOP: IMMUNOSTAIN (cont'd)
	Lymphoma marker	КАРРА
	Proliferation marker	Ki67
	Lymphoma marker	Lambda
	Melanoma marker	Melan A
	Lung adenocarcinoma marker	Napsin A
	Germ cell marker	OCT 3
	Oestrogen receptor/prognostic breast marker	Oestrogen Receptor(ER)
	Epithelial gynae tumour marker	PAX8
	Germ cell tumour marker	PLAP
	Progesterone receptor/prognostic breast marker	Progesterone Receptor (PR)
	Prostate marker	PSA
	Prostate marker	PSAP
	Prostate and breast tumour marker	P40
	Prostate and tumour marker	P504S
	Wild type P53 tumour marker	P53
	Molar pregnancy marker	P57



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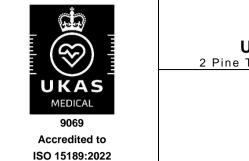
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HUMAN BODY TISSUE (cont'd)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
3-4µm paraffin embedded tissue sections (cont'd)	IHC stains for the detection of: (cont'd)	Immunohistocytochemical staining Ventana Benchmark Ultra SOP: IMMUNOSTAIN (cont'd)
	Marker of squamous and urothelial cells / tumours and basal/myoepitheial cells	P63
	Neural and nerve sheath marker	S100
	Smooth muscle marker	SM Actin
	Smooth muscle marker	SM Myosin
	Neural marker	SOX-10
	Neural cell and neuroendocrine marker	Synaptophysin
	Thyroid marker	Thyroglobulin
	Thyroid and lung marker	TTF-1
	Mesenchymal tumour marker	Vimentin
	Wilm's and mesothelioma tumour marker	WT-1
	Fibromatosis (desmoid tumours	B-Catenin
	Helicobacter pylori	Helicobacter pylori
	Colorectal carcinoma	SATB2
	Rhabdomyosarcoma	Myogenin
	Mismatch repair protein	MMR antibodies (MLH1, MSH2, MSH6, PMS2)
	Prostate carcinoma	Basal Cell Cocktail (34B12 + p63) & p504s Dual Stain



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HUMAN BODY TISSUE (cont'd)	Histopathological examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
3-4µm paraffin embedded tissue sections (cont'd)	Special stains for the detection of: (cont'd)	Special stains - automated Ventana Benchmark Automated Stainer Operator Manual WS-6DOWNFLOWOPMAN and the following kits:
	Mycobacterium Acid Fast Bacilli	AFB 3 Kit
	Acid Mucins	Alcian Blue Kit
	Differential identification acid and neutral mucins	Alcian Blue PAS Kit
	Amyloid	Congo Red Kit
	Glycogen	Diastase Kit
	Elastin Fibres	Elastin Staining Kit
	Fungi and other opportunistic organisms	GMS 2 Kit
	Iron pigment	Iron Staining Kit
	Acid muco-polysaccharides	Mucicarmine Kit
	Glycogen	PAS Kit
	Reticulin fibres	Reticulin Staining Kit
	Connective tissue and collagen	Trichrome Staining Kit



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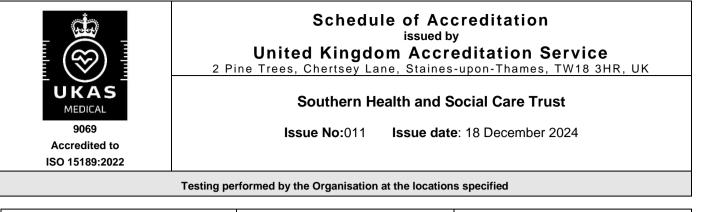
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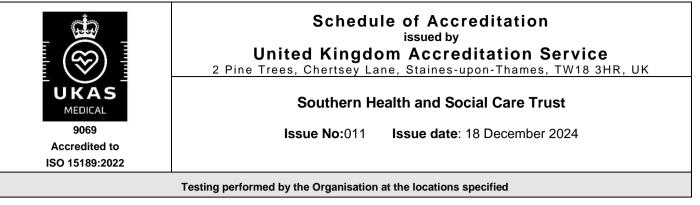
Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY TISSUE AND FLUIDS	Non-gynae cytopathological examination activities for the purposes of clinical diagnosis	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
Liquid Based Human body fluids (except CSF and joint fluids) Respiratory tract specimens (including sputa and bronchoscopy)	Examination of cellular material to identify or exclude morphological abnormalities	Automated non-gynae LBC slide production SOPs: CYTLBCPROCESSING CYTNGPROCESSING
Urinary tract specimens		T5000ThinPrep automated LBC Processor and autoloader Operator manual: T5000OPERATORMANUAL MSE Harrier 15/80 Centrifuge Operator manual CENTRIFUGEMSEHARRIER
Liquid Based Cytology (LBC) Samples	Production of cell monolayer preparations free from red blood cells	Automated LBC slide production post acid treatment T5000ThinPrep automated LBC Processor and autoloader Operator manual: T5000OPERATORMANUAL SOP: CYTLBCPROCESSING IKA Vibrax Vortexor Operator manual: VORTEXOPERMAN MSE Harrier 15/80 Centrifuge Operator manual: CENTRIFUGEMSEHARRIER



Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY TISSUE AND FLUIDS (cont'd)	Non-gynae cytopathological examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
Human body fluids and tissues including upper GI endoscopy specimens Fine needle aspirates: Soft tissue, abdomen, head and neck, lymph node, breast, lung,	Production of cell monolayer preparations	Automated non-gynae LBC slide production SOP: CYTNGPROCESSING T2000 ThinPrep Processor Operator manual: T2000OPERATORMANUAL
hepatobillary		Microflow Class I Operator manual: MICROFLOWCLASS10PERMAN
		IKA Vibrax Vortexor Operator manual: VORTEXOPERMAN
		MSE Harrier 15/80 Centrifuge Operator manual: CENTRIFUGEMSEHARRIER
Liquid Based Cytology Cell Samples		Production of direct smears, cytospins from cytology body fluid specimens and centrifuged cellular deposits SOP: CYTNGPROCESSING
		Microflow Class I Operator manual: MICROFLOWCLASS1OPERMAN
		MSE Harrier 15/80 Centrifuge Operator manual: CENTRIFUGEMSEHARRIER
		Cytospin 2 &CYTOSPIN 4 Operator manual: CYTOSPINOPMAN, CYTOSPINMAN

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Testing performed by the Organisation at the locations specified			

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY TISSUE AND FLUIDS (cont'd)	Non-gynae cytopathological examination activities for the purposes of clinical diagnosis	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
Non-gynae body fluid/semi fluid specimens (see above)		Removal of red blood cells using Histopaque in the 'Density Gradient Centrifugation Technique' and mucin using Dithiothreital (DTT) SOP: CYTNGPROCESSING
		Microflow Class I Operator manual: MICROFLOWCLASS1OPERMAN
		MSE Harrier 15/80 Centrifuge Operator manual: CENTRIFUGEMSEHARRIER
		IKA Vibrax Vortexor Operator manual: VORTEXOPERMAN
Protein/blood clots in body fluids and centrifuged deposits		Production of cell blocks for H&E and immunocytochemical staining using Thrombin or agar SOP: CYTNGPROCESSING
		Microflow Class I Operator manual: MICROFLOWCLASS1OPERMAN
		MSE Harrier 15/80 Centrifuge Operator manual: CENTRIFUGEMSEHARRIER
Non-gynae cytology cellular slide preparations	Basophilic and acidophilic intra- and extracellular structures	Automated staining Papanicolaou (PAP) staining technique. SOP: STAINAUTOSTAIN



Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	
HUMAN BODY TISSUE AND FLUIDS (cont'd)	Non-gynae cytopathological examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:	
Non-gynae cytology cellular slide preparations (cont'd)	Basophilic and acidophilic intra- and extracellular structures (cont'd)	Sakura Prisma stainer and coverslipper Operator manual: PRISMAOPERATORMAN	
Alcohol fixed cellular slide preparations	Basophilic and acidophilic intra- and extracellular structures	Non-automated non-gynae PAP staining SOP : CYTNGPROCESSING WS-6 Downflow Workstation Operator Manual:	
		WS-6DOWNFLOWOPMAN	
Non-gynae cytology air fixed cellular slide preparations.		Rapi-diff 11 for rapid differential staining of cellular slide preparations	
		CYTNGPROCESSING	
Slides prepared in house as above	Cytological assessment and interpretation/diagnosis	Light microscopy SOP: MICROSCOPEADJUST	
END			