Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



9913

Accredited to ISO 15189:2022

St George's University Hospitals NHS Foundation Trust

Issue No: 007 Issue date: 21 January 2025

St George's Healthcare NHS Trust

Cellular Pathology

Blackshaw Road

London

SW17 0QT

Contact: Malika Benatti Tel: +44 020 8725 3094

 $\hbox{E-Mail: } malika.benatti@stgeorges.nhs.uk$

Website: www.stgeorges.nhs.uk

Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

Location details		Activity	Location code
St George's Healthcare NHS Trust Cellular Pathology Blackshaw Road London SW17 0QT	Local Contact: Malika Benatti As above	Routine Histology Digital Pathology Frozen section service Special stains Enzyme histochemistry Molecular preparation Diagnostic Cytology –non-gynae EBUS FNA clinic Head & Neck FNA clinic Melanoma clinic	SGH
Croydon University Hospital 530 London Road Croydon CR7 7YE	Local Contact: As above	OSNA Frozen section (Mohs) EBUS FNA clinic Head & Neck FNA clinic	CUH

Site activities performed away from the locations listed above:

Location details		Activity	Location code
Ultrasound Room St James Wing X-Ray	Local Contact:	Head & Neck FNA clinic	SGH
Department	As above		
EBUS clinic – endoscopy		Endoscopy	SGH
Melanoma clinic at The Rose Centre		ROSE centre	SGHCU
Endobronchial Ultrasound clinic		EBUS clinic	HCUH
Interventional radiology suite		H&N FNA clinic	

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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY TISSUE / FLUIDS	Histopathology examination activities in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Macroscopic and Microscopic examination using in-house procedures (listed) in conjunction with manufacturer's instructions for the following methods (where relevant)	
Fresh and formalin fixed tissue samples		Macroanalysis and dissection using: CEL-HIS-LAB- 042 Specimen cut up CEL-MED-CUT-001 Medical protocol	SGH
		for specimen cut up CEL-MED-CUT-004 Skin Pathology Specimen dissection	
		CEL-MED-CUT-005 Medical Protocol for Processing and Reporting Head and Neck (Including Thyroid and Parathyroid) Specimens.	
		CEL-MED-CUT-006 Protocol for Cut- up and Reporting of Thoracic Specimens	
		CEL-MED-CUT-007 Medical Protocol for Cut-Up of Specimens from the Cardiovascular System	
		CEL-MED-CUT-010 Medical Protocol for Cut-Up of Appendicectomy Specimens	
		CEL-MED-CUT-011 Medical Protocol for Dealing with Colorectal Polypectomies	
		CEL-MED-CUT-012 Medical Protocol for Cut-Up Colorectal Cancer Specimens	

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HUMAN BODY TISSUE / FLUIDS (Cont'd)	Histopathology examination activities in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Macroscopic and Microscopic examination using in-house procedures (listed) in conjunction with manufacturer's instructions for the following methods (where relevant)	
Fresh and formalin fixed tissue samples		Macroanalysis and dissection using: CEL-MED-CUT-013 Medical Protocol for Cut-Up of Completion Proctectomy Specimens	SGH
		CEL-MED-CUT-014 Medical Protocol for Cut-Up of Cholecystectomy Specimens	
		CEL-MED-CUT-015 Medical protocol for cut-up of urological specimens	
		CEL-MED-CUT-016 Medical Protocol for Cut-Up Endocrine (Adrenal and Parathyroid) Specimens and Tissue Pathways for Reporting	
		CEL-MED-CUT-017 Gynaecological Pathology Specimen Dissection	

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HUMAN BODY TISSUE / FLUIDS (cont'd)	Histopathology examination activities in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis (cont'd)	Macroscopic and Microscopic examination using in-house procedures (listed) in conjunction with manufacturer's instructions for the following methods (where relevant)	
Fresh and formalin fixed tissue samples		Macroanalysis and dissection (cont'd) using: CEL-MED-CUT-018 Medical Protocol for Cut-Up of Colectomy Specimens for Inflammatory Bowel Disease CEL-MED-CUT-020 Medical Protocol for Cut-Up of Paediatric Bowel Specimens in Hirschsprung's Disease CEL-MED-CUT-021 Medical Protocol for Paediatric Tumour Specimen Cut-Up CEL-MED-CUT-022 Medical Protocol for Cut-Up of Placentae CEL-MED-CUT-023 Medical Protocol for Cut-Up of Breast Specimens CEL-MED-CUT-024 Medical Protocol for Cut-Up of Lymph Node Specimens CEL-MED-CUT-025 Medical Protocol for Cut-Up of Neuropathology Specimens	SGH

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HUMAN BODY TISSUE / FLUIDS (cont'd)	Histopathology examination activities in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis (cont'd)	Macroscopic and Microscopic examination using in-house procedures (listed) in conjunction with manufacturer's instructions for the following methods (where relevant)	
Formalin fixed tissues including cell blocks			SGH
Formalin fixed, processed tissues and cell blocks		Tissue Embedding Manual method using Tissue Tek TEC6 embedder:	SGH
		CEL-HIS-LAB-015 Tissue embedding	
		CEL-HIS-EQP-008 Operation and Maintenance of the Tissue Tek® Embedding Centres	

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HUMAN BODY TISSUE / FLUIDS (cont'd)	Histopathology examination activities in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis (cont'd)	Macroscopic and Microscopic examination using in-house procedures (listed) in conjunction with manufacturer's instructions for the following methods (where relevant)	SGH
Formalin fixed, paraffin embedded (FFPE) tissue and cell blocks		Microtomy Manual sectioning using Leica rotary microtome RM2235: CEL-HIS-LAB-006Paraffin microtomy	SGH
Fresh / frozen tissue	Intra-operative diagnosis	Rapid frozen section Cryotomy, automated and manual Haematoxylin & Eosin (H&E) staining method using Leica CM 1850 and CM1860 UV Cryostats	SGH
		CEL-HIS-EQP-004 Operation and Maintenance of the Leica CM1850 & CM1860 UV Cryostat	
		CEL-HIS-LAB-030 Cryotomy CEL-HIS-LAB-004 Freezing tissues CEL-HIS-LAB-012 Fresh Paediatric tissue CEL-HIS-LAB-013 Fresh Surgical tissue CEL-HIS-LAB-017 Infective specimen CEL-HIS-LAB009 Handling and orientation of muscle biopsies	
Fresh / frozen tissue (skin and mucosa)	Intraoperative diagnosis	Rapid frozen section Mohs micrographic technique: Cryotomy and automated H&E staining using Total Tissue Diagnostics Prestochill, Leica CM1860 UV cryostat and Shandon Linistain	CUH
		CEL-HIS-LAB-013 Fresh surgical tissue CEL-MOH-GEN-001 Mohs Technique Olympus BX41 microscope	

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HUMAN BODY TISSUE / FLUIDS (cont'd)	Histopathology examination activities in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Manual tinctorial and histochemical methods using:	SGH
	Special staining for the identification of:		
Sections (slides) from FFPE tissue / cell blocks	Acid and neutral mucins	CEL-HIS-STA-028 – Periodic Acid Schiff	
		CEL-HIS-STA-003 Alcian Blue periodic acid Schiff	
	Acid mucopolysaccharide	CEL-HIS-STA-002 Alcian Blue	
	Amyloid	CEL-HIS-STA-008 Congo Red Highman method	
	Diastase resistant polysaccharides	CEL-HIS-STA-010 Periodic Acid Schiff +/- Diastase	
	Glycogen	CEL-HIS-STA-004 Diastase Alcian Blue Periodic Acid Schiff	
	Connective tissue	CEL-HIS-STA-011 Elastic Van Gieson	
	H. pylori and H. pylori like organisms	CEL-HIS-STA-013 Giemsa	
	Gram positive and negative bacteria	CEL-HIS-STA-014 Gram Stain	
	Gram positive and negative bacteria	CEL-HIS-STA-015 Gram Twort	
	Basement membrane, fungi	CEL-HIS-STA-017 Grocott	
	Cellular Components and morphology	CEL-HIS-STA-018 Haematoxylin and Eosin hand staining methods	
	Collagen, muscle and bile pigments	CEL-HIS-STA-019 Haematoxylin Van Gieson	

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HUMAN BODY TISSUE / FLUIDS (cont'd)	Histopathology examination activities in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Manual tinctorial and histochemical methods using:	SGH
	Special staining (cont'd)		
Sections (slides) from FFPE tissue / cell blocks	Connective tissue	CEL-HIS-STA-023 Martius Scarlet Blue	
	Melanin	CEL-HIS-STA-021 Masson Fontana	
	Connective tissue	CEL-HIS-STA-022 Masson Trichrome	
	Hepatitis B surface antigen and copper associated protein	CEL-HIS-STA-027 Orcein	
	Fungi, glycogen, neutral mucin and basement membrane Glycogen	CEL-HIS-STA-028 Periodic Acid Schiff	
	Haemosiderin	CEL-HIS-STA-029 Perls	
	Reticulin fibres	CEL-HIS-STA-034 Reticulin	
	Copper	CEL-HIS-STA-033 Rhodanine	
	Amyloid	CEL-HIS-STA-040 Thioflavin	
	Mast cell granules and acid mucin	CEL-HIS-STA-026 Toluidine Blue	
	Calcium deposits	CEL-HIS-STA-036 Von Kossa	
	Leprosy bacilli	CEL-HIS-STA-037 Wade Fite	
	Spirochetes, Helicobacter	CEL-HIS-STA-041 Warthin-Starry	
	Mycobacteria	CEL-HIS-STA-039 Ziehl-Neelson	

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HUMAN BODY TISSUE / FLUIDS (cont'd)	Enzyme Histochemistry Preparation and examination to identify or exclude morphological & cytological abnormalities	Manual histochemical methods using:	SGH
Fresh / frozen tissue	Acid phosphatase	CEL-HIS-STA-043 - Acid Phosphatase	
Fresh / frozen rectal biopsy tissue	Acetylcholinesterase – nerve cells (Hirschsprung's Disease)	CEL-HIS-STA-005- Acetylcholinesterase	
Muscle fresh/frozen sections	Cytochrome oxidase activity	CEL-HIS-STA-044 – COX-SDH	
Muscle fresh/frozen sections	Type 1 and 2 muscle fibres	CEL-HIS-STA-052 - Myoadenylate Deaminase	
Muscle fresh/frozen sections	Tetrazolium reductase activity	CEL-HIS-STA-049 - Nicotinamide adenosine	
Muscle fresh/frozen sections	Phosphorylase activity	CEL-HIS-STA-048 - Phosphorylase	
Muscle fresh/frozen sections	Muscle, muscle fibres, mitochondria, sarcoplasmic reticulum and connective tissue	CEL-HIS-STA-047 - Gomori Trichrome	
Muscle fresh/frozen sections Muscle fresh/frozen sections	Lipids Cellular component and morphology Glycogen storage disease	CEL-HIS-STA-025 - Oil Red O CEL-HIS-STA-018 Haematoxylin and Eosin hand staining methods	
Muscle fresh/frozen sections and FFPE		CEL-HIS-STA-051 Periodic Acid Schiff & Diastase Periodic Acid Schiff – Muscle method	
	Mutations encoding cardiac actin, desmin, cardiac troponin T and tropomyosin	A- Sarcoglycan	

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	Immunocytochemistry of Histopathology examinations to assist in detection of clinical abnormalities	In house documented procedures & manufacturer's instructions	
Muscle fresh/frozen sections	Muscle disease	<u>Dysferin</u>	
		Dystroglycan	
		Dystrophin rod domain – dys 1	
		Dystrophin c-terminus – dys 2	
		Dystrophin n-terminus – dys 3	
		Emerin	

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Slides prepared in-house as above	Morphological assessment and interpretation/diagnosis	Microscopy (qualitative analysis) In-house procedures: CEL-MED- WPE-001 WinPath Enterprise	SGH
Digital histopathology images from slides prepared in house	Morphological assessment and interpretation/diagnosis of pathology	Digital Pathology Image Management and reporting, using Philips IMS and scanners	SGH
	Molecular examinations for the purpose of clinical diagnosis	In house documented procedures & manufacturer's instructions	
Lymph node tissue	Detect the expression level of Cytokeratin 19 normally not present in lymph node tissue.	One Step Nucleic Acid Amplification (OSNA) using Homogeniser Polytron PT 1300, vortex mixer VV3, Minispin centrifuge, Sysmex RD210 analyser and	CUH
		CEL-OSN-GEN-001	

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HUMAN BODY TISSUE / FLUIDS (cont'd)	Cytological examinations for the purpose of clinical diagnosis	Using in house procedures and manufacturer's instructions for equipment where applicable:	
Body fluids FNA Imprints, Cerebrospinal fluid (CSF) Urine Bronchial brushings and washings Synovial fluids Serous fluids (pleural, pericardial, peritoneal, ascitic), Cyst fluids, Biliary cytology Cell blocks Nipple discharge	Cytopathology examination activities in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Preparation/centrifugation CEL-CYT-DCY-102 Diagnostic Cytology Specimen Receipt, Storage, Retention and Disposal CEL-CYT-EQP-004 Operation of Centrifuges CEL-CYT-EQP-005 Operating the Cytocentrifuge CEL-CYT-DCY-119 Preparation of serous fluids CEL: -CYT-DCY-120 Preparation of urine/urinary washings CEL-CYT-DCY-117 Preparation of bronchial specimens CEL-CYT-DCY-125 Preparation of synovial fluids CEL-CYT-DCY-118 Preparation of CSF CEL-CYT-DCY-116 Preparation of biliary specimens CEL-CYT-DCY-105 Preparation of cell blocks CEL-CYT-DCY-115 Receipt and preparation of Fine Needle Aspirations (FNA) CEL-CYT-DCY-121 Preparation of nipple discharges	SGH

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Slides prepared in-house from sample types listed above	Cytopathology examination activities in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Manual staining procedures: CEL-CYT-STA-007 Papanicolaou Staining Oil Red O staining CEL-CYT-STA-027 Oil Red O Automated staining procedures: Using the Mirastainer II CEL-CYT-EQP-002 Operating the Mirastainer II (MGG staining) CEL-CYT-DCY-121 Preparation of nipple discharges CEL-CYT-STA-013 May-Grunwald Giemsa Staining	SGH

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HUMAN BODY TISSUE / FLUIDS (cont'd)	Cytopathology examination activities in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Using in house procedures and manufacturer's instructions for equipment where applicable:	
Fine needle aspirations (FNA) – Rapid Onsite Evaluation clinics	Cellularity assessment	Material/slide preparation followed by microscopy Manual methods using:	SGH, CUH
		CEL-CYT-DCY-131 - Attendance at Fine Needle Aspiration Clinics for STG & CUH	
		CEL-CYT-DCY-113 - Endobronchial Ultrasound Guided Rapid Onsite Evaluation	
		CEL-CYT-DCY-130 - Ultrasound Guided FNA Rapid Onsite Evaluation of Adequacy by BMS Staff	
		CEL-CYT-STA-017- Rapid Diagnostic Staining Using Hemacolor® Solution	
		CEL-CYT-DCY-103 Olympus BX45 microscopes	

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HUMAN BODY TISSUE / FLUIDS (cont'd)	Cytological examinations for the purpose of clinical diagnosis (cont'd)	Using in house procedures and manufacturer's instructions for equipment where applicable:			
Slides prepared in-house from sample types listed above	Cytological assessment and interpretation/diagnosis	Microscopy (qualitative analysis) In-house procedures: CEL-CYT-DCY-114 Non- Gynaecological Reporting of Exfoliative Cytology by BMS CEL-MED- DCY-001 Medical Protocol for Diagnostic Cytopathology Reports CEL-MED-WPE-001 WinPath Enterprise – Results Entry CEL-CYT-WPE-002 - WinPath Enterprise – Post-Laboratory Process in Diagnostic Cytology CEL-All-WPE- 006 WinPath - Authorisation Non-Gynae Screening and reporting using microscopes as follows: Nikon 50i +/-camera Nikon 80i +/- Camera system	SGH		
		Nikon E400 Nikon Optiphot 2 135101 Camera system Olympus BHS +/- Graticule Olympus BX40, BX41, BX45 Olympus BX50 +/- Camera system Olympus BX51 +/- Graticule			
END					

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