


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>UKAS</b> MEDICAL 9685  Accredited to ISO 15189:2012	<b>Cellular Pathology Services Ltd</b>  Issue No: 005    Issue date: 28 February 2022	
	Unit 12 Orbital 25 Business Park Dwight Road Tolpits Lane Watford WD18 9DA United Kingdom	Contact: Dr Joseph El-Jabbour Tel: +44 (0) 1923 233299 Fax: +44 (0) 1923 233296 E-Mail: joseph@cellpathservices.co.uk Website: www.cellularpathology services.co.uk

Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

### Laboratory locations:

Location details	Activity	Location code
<b>Address</b> Cellular Pathology Services Ltd Unit 12 Orbital 25 Business Park Dwight Road Tolpits Lane Watford WD18 9DA United Kingdom	<b>Local contact</b> Dr Joseph El-Jabbour	
BMI The Kings Oak Hospital Chase Farm North Side The Ridgeway Enfield London Middlesex EN2 8SD	Histopathology Special Stains Immunohistochemistry Frozen sections Non Gynae cytology Mohs  Mohs and intraoperative frozen sections	A  Kings Oak



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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
<p><b>HUMAN BODY TISSUE AND FLUIDS</b></p> <p>Tissue Samples: Fixed, fresh and frozen tissue; excisional and incisional biopsies and surgical resection specimens</p>	<p><u>Histopathology examination activities for the purpose of clinical diagnosis</u></p> <p>Routine Histopathology examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of clinical diagnosis</p>	<p>Macroscopic and Microscopic examination</p>	
		<p>Specimen dissection using documented in house procedure - CPS-511-SOP</p>	A
		<p>Decalcification using documented in house procedure - CPS-504-SOP</p>	A
		<p>Tissue Processing using Sakura VIP 6 documented in house procedure - CPS-505-SOP</p>	A
		<p>Tissue embedding using Sakura Tissue TEK Embedding system and cold plate documented in house procedure - CPS-506-SOP</p>	A
	<p>Tissue sectioning manual method using Leica RM 2235 and Leica Histocore Biocut microtome documented in house procedure - CPS-507-SOP</p> <p>Microtomes -</p>	A	



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	Basophilic and eosinophilic tissue structure	Routine Haematoxylin & Eosin (H&E) staining and coverslipping using documented in-house procedures covering: Haematoxylin & Eosin (H&E) - CPS-524-SOP Papanicolaou (PAP) - CPS-538-SOP Periodic Acid Schiffs (PAS) with and without Diastase - CPS-564-SOP Alcian Blue PAS with and without Diastase - CPS-564-SOP in conjunction with manufacturer's instructions for: Leica Spectra Histocore Stainer – CPS-103680EXT Leica Spectra Histocore Coverslipper – CPS-10367-EXT	A



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Macroscopic and Microscopic examination	
Fresh tissue sample	Basophilic and eosinophilic tissue structure	Frozen sections (intraoperative and Mohs) using Leica CM1860UV Cryostat and H & E staining using: documented in house procedures – CPS-516-SOP CPS-509-SOP CPS-508-SOP In conjunction with manufacturer's instructions for: Leica Spectra Histocore Stainer	A
Fresh tissue sample	Basophilic and eosinophilic tissue structure	Frozen sections (intraoperative and Mohs) using Leica CM1860UV Cryostat and H & E staining using: documented in house procedures – CPS-516-SOP CPS-522-SOP In conjunction with manufacturer's instructions for: Leica Linistain	Kings Oak
Tissue sections	Special stains to detect the following:  Helicobacter Pylori bacteria  Amyloid  Differentiate nuclear and/or cytoplasmic morphology of platelets, RBCs, WBCs, and parasites  Gram Positives and Gram negative bacteria  Fungi and Pneumocystis carinii parasites (PCP)	Special staining techniques using documented in house procedures for staining with:  Giemsa -CPS-530-SOP  Congo Red - CPS-527-SOP  Giemsa - CPS-530-SOP  Gram - CPS-531-SOP  Grocott - CPS-540-SOP	A



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Tissue sections (cont'd)</p>	<p><u>Histopathology examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Special stains to detect the following (cont'd):</p> <p>Melanin</p> <p>Connective tissue (collagen)</p> <p>Viral antigens &amp; Copper Associated Protein</p> <p>Carbohydrates such as glycogen Acid mucins</p> <p>Haemosiderin in the tissue.</p> <p>Reticulin fibres.</p> <p>Mast cells as well as other haematopoietic cells.</p> <p>Elastic fibres</p> <p>Acid-fast bacteria belonging to the genus 'mycobacterium' Wade-Fite (modified ZN) staining for leprosy bacilli</p>	<p>Macroscopic and Microscopic examination</p> <p>Special staining techniques using documented in house procedures for staining with (cont'd):</p> <p>Masson Fontana - CPS-533-SOP</p> <p>Masson Trichrome - CPS-534-SOP</p> <p>Orcein - CPS-535-SOP</p> <p>Periodic Acid Schiff &amp; Variants (+/- Diastase and AB PAS)- CPS-525-SOP</p> <p>Perls - CPS-539-SOP</p> <p>Reticulin - CPS-536-SOP</p> <p>Toluidine Blue - CPS-537-SOP</p> <p>Van Gieson &amp; Elastic - CPS-529-SOP</p> <p>Ziehl Neelsen &amp; Wade Fite Variant - CPS-532-SOP</p>	<p>A</p>



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Macroscopic and Microscopic examination	A
Tissue sections	Immunohistochemistry to detect the following:	Immunohistochemistry using documented in-house procedures: CPS-542-SOP CPS-560-SOP CPS-508-SOP CPS-509-SOP in conjunction with manufacturer's instructions for: Ventana GX and Leica Spectra Histocore Stainer and using the following antibodies	
	Epithelial cells	AE1/AE3	
	Epithelial cells	Ber-EP4	
	Myoepithelial cells	Calponin	
	Mesothelioma	Calretinin	
	T cells	CD3	
	T cells and most T cell lymphomas, some low grade B cell lymphomas	CD5	
	All germinal centre cells of tonsil	CD10	
	Granulocytes, Reed-Sternberg cells	CD15	
	B cell marker	CD20	
	Lymphocyte activation antigen. RS cells in Hodgkin's lymphoma	CD30	
	Endothelial cells	CD31	
	Endothelial marker	CD34	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Macroscopic and Microscopic examination	A
Tissue sections (cont'd)	Immunohistochemistry to detect the following (cont'd):	Immunohistochemistry using documented in-house procedures: CPS-542-SOP CPS-560-SOP CPS-508-SOP CPS-509-SOP in conjunction with manufacturer's instructions for: Ventana GX and Leica Spectra Histocore Stainer and using the following antibodies	
	All leucocytes	CD45	
	Natural killer cells, neuroendocrine tissues	CD56	
	Macrophages	CD 68 PG-M1	
	B cells	CD79a	
	Neuroendocrine marker	Chromogranin	
	Squamous and basal epithelium	Cytokeratin 14	
	Gastrointestinal epithelium	CK 20	
	Squamous and myoepithelial	CK 5/6	
	Transitional epithelia	CK 7	
	Lymphatic endothelium	D2-40	
	Smooth and striated muscle cells	Desmin	
	Epithelial cell membrane	E-cadherin	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Macroscopic and Microscopic examination	A
Tissue sections (cont'd)	Immunohistochemistry to detect the following (cont'd):	Immunohistochemistry using documented in-house procedures: CPS-542-SOP CPS-560-SOP CPS-508-SOP CPS-509-SOP in conjunction with manufacturer's instructions for: Ventana GX and Leica Spectra HistoCore Stainer and using the following antibodies	
	Normal and neoplastic epithelium	EMA	
	Oestrogen receptor – Breast carcinomas	ER	
	Fibrohistocytic tumour	Factor XIIIa	
	Vascular endothelial marker	Factor VIII-ra	
	Breast carcinoma	GCDFP-15	
	Melanoma marker	HMB45	
	Melanocytes	Melan-A	
	Proliferation marker	Ki-67	
	Broad range cytokeratin for epithelial cells	MNF-116	
	Tumour suppressor gene	P53	
	Prostate and breast basal cell marker	P63	
	Progesterone receptor – Breast carcinomas	PR	





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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Macroscopic and Microscopic examination	A
Tissue sections (cont'd)	Immunohistochemistry to detect the following (cont'd):	Immunohistochemistry using documented in-house procedures: CPS-542-SOP CPS-560-SOP CPS-508-SOP CPS-509-SOP in conjunction with manufacturer's instructions for: Ventana GX and Leica Spectra Histocore Stainer and using the following antibodies	
	Prostate epithelium	PSA	
	Melanoma, neuroendocrine	S100	
	Smooth muscle cells	Smooth muscle Actin	
	Myoepithelial cells	Smooth Muscle Myosin Heavy Chain	
	Follicular thyroid cells	TTF1	A
	Mesothelial cells, serous carcinoma	WT1	
Slides prepared in house from samples listed above	Morphological assessment and interpretation/diagnosis	Microscopy (qualitative analysis) using Olympus BX41, Olympus BX43, Leica DM 2000 - Microscope Use and Maintenance CPS-520-SOP	
Digital images from slides prepared in house as above	Morphological assessment and interpretation/diagnosis	Using 3D Histech Panoramic scan II digital pathology (slide scanners and viewing software):  Slide Scanning CPS-563-SOP Prescanning and scanning procedures  Slide Reporting	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Cytopathology (Non-Gynae) examination activities for the purpose of clinical diagnosis</u>	Macroscopic and Microscopic examination	
Human body fluids and smears	Examination of basic cellular components in order to identify or exclude morphological and cytological abnormalities	Sample preparation, processing and routine staining and reading and interpretation. Documented procedure and manufacturer's instructions using CPS-553-SOP CPS-550-SOP CPS-551-SOP CPS-552-SOP	A
	Demonstration of different cell linages in haematopoietic cells. Examination of cells to identify or exclude morphological and cytological abnormalities for the purpose of clinical diagnosis.	May-Grunwald Giemsa (MGG) - CPS-557-SOP	A
	Demonstration of cell nuclei, keratin, epithelial squamous cells, nucleoli, cilia, and red blood cells, cytoplasm of other cells, including non-keratinized squamous cells.	Papanicolaou Staining - CPS-538-SOP	A
Slides prepared in house from samples listed above	Morphological assessment and interpretation/diagnosis	Microscopy (qualitative analysis) using Olympus BX41, Olympus BX43, Leica DM 2000 - Microscope Use and Maintenance CPS-520-SOP	A

END