


Schedule of Accreditation

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United Kingdom Accreditation Service

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

 9147 Accredited to ISO 15189:2012	University Hospitals Dorset NHS Foundation Trust	
	Issue No: 005 Issue date: 10 September 2021	
	Cellular Pathology Department Royal Bournemouth Hospital Castle Lane East Bournemouth BH7 7DW United Kingdom	Contact: Nathan Bourne Tel: +44 (0) 300 019 4879 E-Mail: nathan.bourne@uhd.nhs.uk Website: www.uhd.nhs.uk

Testing performed at the above address only

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity
Address: Cellular Pathology Department Royal Bournemouth Hospital Castle Lane East Bournemouth BH7 7DW Local contact: Alexandra Graine Tel: +44 (0) 300 019 4834	Routine Histopathology Special Stains Frozen section service Immunohistochemistry Non-Gynae cytology

Site activities performed away from the locations listed above:

Location details	Activity
Poole Hospital Pathology Department Poole Hospital Longfleet Road Poole BH15 2JB FNA Clinic Royal Bournemouth Hospital	Specimen reception (Histology) Frozen section preparation BMS Specimen dissection (Histology) Rapid On site assessment FNA adequacy checks



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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, resection and post-mortem specimens</p> <p>Formalin Fixed Paraffin wax blocks of processed tissue.</p> <p>Tissue for frozen sections</p> <p>FFPE slides (Formalin fixed paraffin embedded) and frozen sections prepared in house as above</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 <i>diagnosis</i></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 reception [B-CP-P-00067] Specimen dissection – [B-CP-P-00044] Specimen Dissection Guidelines (Pathologist) [B-CP-P-00045] Specimen dissection guidelines (BMS only) [B-CP-P-00046] Specimen preparation guidelines – Poole (BMS) [P-CP-P-00003] Specimens requiring special instruction [B-CP-P-00077] Tissue processing using Bayer VIP Tissue processors [B-CP-P-00076]</p> <p>Decalcification [B-CP-P-00080]</p> <p>Tissue Embedding Using Tissue Tek embedding stations [B-CP-P-00078]</p> <p>Microtomy using Shandon Finesse ME + Microtomes, [B-CP-P-00079]</p> <p>Frozen section technique and requests Using Leica Cryostats[B-CP-P-00081]</p> <p>Routine morphological staining Sakura Prisma stainer / coverslipper using Haematoxylin and Eosin [B-CP-P-00001] Rapid H&E stain for frozen section [B-CP-P-00048] Staining, instructions to use the Tissue-Tek & Sakura Prisma slide stainers, and checking out [B-CP-P-00085]</p>



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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	Special stains for the detection of:	Documented in-house procedures for Tissue-tek DRS 2000 slide stainer for special stains
	Acid Mucopolysaccharides	Alcian Blue (pH 2.5) Technique (Lison 1954) [B-CP-P-00016]
	Acid and Neutral Mucopolysaccharides	Alcian Blue - Periodic Acid/Schiff (ABPAS) Technique [B-CP-P-00005]
	Amyloid	Congo Red (pH 10) for Amyloid [B-CP-P-00012] Sirus Red for Amyloid [B-CP-P-00013]
	Elastic fibres and connective tissue	Haematoxylin Van Gieson [B-CP-P-00002]
	Helicobacter/Microorganisms	Giemsa Stain for Helicobacter pylori [B-CP-P-00006]
	Gram positive and negative microorganisms	Gram Stain for Micro-organisms [B-CP-P-00021]
	Basophilic and eosinophilic structures, cellular tissue and architecture	Haematoxylin & Eosin (H&E) [B-CP-P-00001]
	Connective tissue, fibrin and basement membranes	Martius Scarlet Blue [B-CP-P-00011]
	Melanin, Argentaffin cells and Lipofuscin pigment	Masson-Fontana Method [B-CP-P-00025]
	Connective tissue, muscle	Masson's Trichrome [B-CP-P-00037]
	Elastic fibres	Miller's Elastic Stain [B-CP-P-00010]



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HUMAN BODY TISSUE (cont'd)	<p><u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u></p> <p>Neutral Mucopolysaccharides, glycogen, A1AT deficiency, basement membrane disruption and fungus</p> <p>Haemosiderin and ferric iron</p> <p>Reticulin fibres (collagen III)</p> <p>Copper-associated protein and Hepatitis B-surface antigen affected cells</p> <p>Copper</p> <p>Tubercle bacilli (acid and alcohol fast bacilli)</p> <p>Calcium phosphates and carbonates</p> <p>Fungi (Aspergillus) and Pneumocystis</p> <p>Helicobacter Pylori</p> <p>Leprosy – atypical mycobacteria</p> <p>Haemopoetic tissues, parasites</p> <p>Spirochetes, Legionella pneumophila</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Periodic Acid/Schiff (PAS) Technique [B-CP-P-00003]</p> <p>Diastase (Amylase) - Periodic Acid/Schiff (PAS+D) Technique [B-CP-P-00004]</p> <p>Perls' Prussian Blue Reaction for Ferric Iron [B-CP-P-00008]</p> <p>Reticulin - Gordon and Sweets' Method [B-CP-P-00007]</p> <p>Orcein – Shikata's Method [B-CP-P-00009]</p> <p>Modified DMAB Rhodanine [B-CP-P-00031]</p> <p>Ziehl-Neelsen Method [B-CP-P-00035]</p> <p>Von Kossa Silver Method [B-CP-P-00034]</p> <p>Alizarin Red S for Calcium Deposits [B-CP-P-00015]</p> <p>Grocott's Hexamine Silver Method [B-CP-P-00022]</p> <p>Cresyl Fast Violet [B-CP-P-00039]</p> <p>Wade Fite Method [B-CP-P-00036]</p> <p>Giemsa – Morphological [B-CP-P-00020]</p> <p>Dieterle's Method for Spirochaetes & Legionella [B-CP-P-00018]</p>



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HUMAN BODY TISSUE (cont'd)	<u>Immunohistochemistry for the purposes of clinical diagnosis</u>	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:
FFPE slides	Detection of the following: HGPIN, prostate adenocarcinoma Diffuse lymph-proliferative disease and neoplastic cells of follicular lymphomas. B cells of mantle zone, interfollicular T cells. Follicular centre B cells Epithelial cell types Reacts with human calretinin and intracellular calcium binding protein. Marker for mesotheliomas Low molecular weight cytokeratin marker T cells T cells , B cells in the mantle zone Follicular dendritic cells, CALLA B cells B cells, Follicular dendritic cells Reed-Sternberg cells in Hodgkins lymphoma, plasma cells Vascular endothelial cells Vascular endothelial cells B cell marker	Ventana Benchmark XT and Ultra Immunohistochemistry [B-CP-P-00041] AMACR (racemase) Bcl-2 oncoprotein Bcl-6 Ber Ep4 Calretinin CAM CD3 CD5 CD10 CD20 CD23 CD30 CD31 CD34 CD79a



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<p>HUMAN BODY TISSUE (cont'd)</p> <p>FFPE slides (cont'd)</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u></p> <p>Detection of the following: (cont'd)</p> <p>T lymphocytes, cortical thymocytes, granulosa cells of ovary, pancreatic islet cells, CNS and sertoli cells</p> <p>GIST</p> <p>Tissues of neuroendocrine origin</p> <p>Basal cells, filamentous keratins form glandular to stratified squamous, prostate adenocarcinoma, myoepithelia cells in breast</p> <p>Epithelial tissue from glandular to stratified squamous – broad range cytokeratin marker</p> <p>Stratified squamous epithelium, basal cells, mesotheliomas</p> <p>Normal and neoplastic ductal, glandular and transitional epithelia</p> <p>Normal and neoplastic epithelial cells of colonic lineage</p> <p>Striated and smooth muscle cells</p> <p>Cell adhesion molecule</p> <p>Normal and neoplastic epithelium</p> <p>Histiocytic cells</p> <p>Her 2 expression</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Ventana Benchmark XT and ULTRA Immunohistochemistry [B-CP-P-00041]</p> <p>CD99</p> <p>CD117</p> <p>Chromogranin</p> <p>Cytokeratin (HMWCK/34βE12)</p> <p>Cytokeratin (MNF116)</p> <p>Cytokeratin 5/6</p> <p>Cytokeratin 7</p> <p>Cytokeratin 20</p> <p>Desmin</p> <p>E-Cadherin</p> <p>EMA</p> <p>Factor XIIIa</p> <p>Her2 (4B5)</p>



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<p>HUMAN BODY TISSUE (cont'd)</p> <p>FFPE slides (cont'd)</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u></p> <p>Detection of the following: (cont'd)</p> <p>Melanoma, melanocyte differentiation</p> <p>Proliferating Cells B cells, T cells, monocytes, macrophages, eosinophils</p> <p>Melanoma marker</p> <p>Neural cell adhesion marker</p> <p>Nuclei of cells containing a high level of oestrogen</p> <p>Tumour suppression marker, HPV driven tumour eg Squamous cell carcinoma</p> <p>Basal cell marker, Squamous epithelium</p> <p>Expressed in the excretory system, thyroid gland and Wilms tumours</p> <p>PD-L1 in tumour cells and immune cell infiltrates to predict response to anti-PD1 and PD-L1 directed therapies</p> <p>Nuclei of cells showing expression of Progesterone</p> <p>Prostate secretory and ductal epithelium</p> <p>Schwann cells, nerve processes, S100 +ve neoplasms eg Melanoma</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Ventana Benchmark XT and ULTRA Immunohistochemistry [B-CP-P-00041]</p> <p>HMB45</p> <p>Ki 67 LCA (CD45)</p> <p>Melan-A</p> <p>N-CAM (CD56)</p> <p>Oestrogen Receptors</p> <p>P16</p> <p>P63</p> <p>PAX8</p> <p>PD-L1</p> <p>Progesterone Receptors</p> <p>PSA-P PSA-M</p> <p>S100</p>



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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 (cont'd)	Detection of the following: (cont'd)	Ventana Benchmark XT and ULTRA Immunohistochemistry [B-CP-P-00041]
	Smooth muscle cells, myoepithelial cells	Smooth Muscle Actin (SMA)
	Smooth muscle cells, myoepithelial cells	Smooth Muscle Myosin (SMM)
	Neuroendocrine cells	Synaptophysin
	TTF-1 found in epithelial cells of lung and thyroid (thyroid follicular cells)	TTF-1
	Cells of mesenchymal origin	Vimentin Ventana Benchmark XT Immunohistochemistry [B-CP-P-00041]
	Granulocytes, Reed-Sternberg in Hodgkins disease	CD15
	Mature B cells, Follicular dendritic cells	CD21
	Platelet surface membrane glycoprotein	CD61
	Macrophages, myeloid elements	CD68
	Macrophages, monocytes and myeloid cells	CD68 (KP-1)
	Plasma cells	CD138
	Cytomegalovirus	CMV
	Epithelial cells	Cytokeratin 19
	Epstein Barr virus	EBV



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HUMAN BODY TISSUE (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u> Erythrocyte membrane glycoprotein Placental trophoblasts Normal and neoplastic hepatocytes Human Papilloma virus Surface immunoglobulin IgA alpha chain Surface immunoglobulin IgG alpha chain Surface immunoglobulin IgM alpha chain B cells and plasma cells B cells and plasma cells Skeletal and cardiac muscle cells Neural, neuroendocrine and endocrine marker Neutrophils Peripheral nerves, neuroendocrine tumours Tumour suppressor gene, Neoplastic cells in epithelium Germ cell tumours Thyroglobulin containing cells	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified: Ventana Benchmark XT Immunohistochemistry [B-CP-P-00041] Glycophorin C HCG Hepatocyte HPV IgA IgG IgM Kappa Lambda Myoglobin Neurofilament Neutrophil elastase NSE P53 PLAP Thyroglobulin



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<p>HUMAN BODY TISSUE (cont'd)</p> <p>Slides prepared in house as above</p> <p>NG Specimens including: Serous Cavity Effusions Washings/Brushings Smears CSF Urines Fluids FNA Respiratory (excluding FNA) Sputum Skin scraping</p> <p>Slides prepared in house as above</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis (cont'd)</u></p> <p>CEA glycoproteins in adenocarcinoma</p> <p>Epithelial cells and smooth muscle in fallopian tube. Wilms tumour</p> <p>Morphological assessment and interpretation / diagnosis</p> <p><u>Cytopathology (Non-Gynae) examination activities for the purposes of clinical diagnosis</u></p> <p>Examination of cellular material in order to identify or exclude morphological and cytological abnormalities</p> <p>Demonstration of : Cells (nuclei and cytoplasm) and micro organisms</p> <p>Cytological assessment and interpretation / diagnosis</p>	<p>In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Ventana Benchmark ULTRA Immunohistochemistry [B-CP-P-00041]</p> <p>CEA</p> <p>WT-1</p> <p>Specimen reporting [B-CP-P-00047]</p> <p>In-house documented procedures using manual methods or equipment in conjunction with manufacturers' instructions as specified:</p> <p>Diagnostic cytology (non-gynae) in-house documented manual procedures for preparation, screening and reporting</p> <p>Specimen reception [B-CP-P-0067] Sample Preparation – Cytopathology [B-CP-P-01001] Staining, coverslipping, and labelling – Cytopathology [B-CP-P-00107] Attending clinics – Cytopathology [B-CP-P-01002]</p> <p>Staining, coverslipping and labelling – Cytopathology [B-CP-P-00107] Giemsa (Hema Gurr) Papanicolaou</p> <p>Specimen Reporting [B-CP-P-00047]</p>

END