Testing scope

The following table lists all tests provided as part of the departments diagnostic service.

Cellular Pathology at Salisbury NHS Foundation Trust is accredited to ISO 15189:2012 Medical Laboratory Standards by the United Kingdom Accreditation Service (UKAS), certificate number 8363.

Where tests provided by the department do not form part of our accredited scope they are highlighted as such, our users should be assured that robust validation and verification procedures are completed prior to introduction of all tests which are performed by trained and competent staff.

Histopathology Specimen dissection	
Tissue processing	
Embedding	
Decalcification	
Microtomy	
H&E staining for tissue architecture and nuclear detail	
Frozen section examination for urgent diagnostic histopathology to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	
Diagnostic Cytology examination for cell morphology changes/abnormalities and diagnosis for the purposes of disease identification	Papanicolau staining
	Diff-Quick staining
Special staining for the identification of:	
Mucins	Alcian blue[2]
	AB/PAS[2]
Amyloid	Congo Red[2]
Elastic fibres	Elastic Van Gieson
Helicobacter	Giemsa[2]
Gram +ve and –ve organisms	Gram-Twort
Basement membranes	Grocott's Hexamine Silver
Collagen	HVG
Connective tissues and fibrin	Martius Scarlet Blue
Melanin	Masson Fontana
Collagen and smooth muscle	Masson Trichrome[1]
Hepatitis B	Orcein
Mucins, fungi and carbohydrates	Period Acid Schiff Reaction[2]
Ferric iron	Perl's Prussian Blue[2]
Reticulin fibres	Reticulin (James') [2]
Spirochetes or Helicobacter	Steiner II[1]
Mast Cells	Toluidine Blue
TB bacilli	Ziehl Neelsen[2]
Tissue samples and cell blocks	Automated Immunochemistry
Immunochemistry for the identification of:	
Cytokeratins in epithelial cells	34BE12

Cytokeratin 5 and human tumour protein 63 (P63) in epithelial cells	34BE12/P63 cocktail[1]
Cytokeratin 5, human tumour protein 63 (P63), and a-methylacyl-CoA racemase (p504s) in epithelial cells	34BE12/P63 cocktail and Anti-p504s[1]
Cytokeratins in epithelial cells	AE1/3
a-methylacyl-CoA racemase (p504s) in a range of cells	Anti-p504s[1]
Protein present in lymphocytes	BCL-2
Cytokeratins in epithelial cells	BER EP4
Protein in mesothelial cells	Calretinin
Cytokeratins in epithelial cells	CAM
Antigen on T lymphocytes	CD3
ID of B and T cell malignancies	CD5
Antigen on some lymphoid cells	CD10
Neutrophils, eosinophils,macrophages, R-S cell in Hodgkins lymphoma	CD15
Antigen on B lymphocytes	CD20
B cells, some T cells	CD23
Reed-Sternberg cells	CD30
Endothelial cells	CD31
Endothelial cells	CD34
Lymphocytes	CD45
Nerve and neuroendocrine cells	CD56
Macrophages and mononuclear cells	CD68
Mantle zone B cells, germinal centre B cells, plasma cells	CD79a
Differentiating B cells	CD138
Antigen in intestinal epithelium	CDX2
Protein in gastro-intestinal cells	CEA
Granules in neuroendocrine cells	CHROMOGRANIN
Cytokeratin in epithelium	CK5/6
Cytokeratin in specific epithelium	CK7
Cytokeratin in gastro-intestinal cells	CK20
Cytomegalovirus infected cells	CMV[3]
B cells, some T cells	Cyclin D1
Vascular endothelial cells, follicular dendritic cells	D240 (Podoplanin)
Smooth and striated muscle cells	DESMIN
Protein in epithelial cells	E-CADHERIN
Protein in epithelial cells	EMA
Nuclear receptor	ER
Breast and urothelial epithelial cells	GATA3[1]
Activated/neoplastic melanocytes	HMB45
Nuclear protein in proliferating cells	KI67
Antigen in melanocytes	MELAN A
Loss of protein expression in Lynch syndrome	MLH1

Cytokeratin in epithelial cells	MNF116
Loss of protein expression in Lynch syndrome	MSH2
Loss of protein expression in Lynch syndrome	MSH6
Squamous epithelial cells, SCC	P16
Squamous epithelial cells	P40
Identifies mutated p53 cells	P53
Nuclear protein in epithelial cells	P63
Epithelial cells of renal tubules and bowman's capsule, RCC	PAX-8[1]
Enzyme produced by trophoblasts	PLAP
Loss of protein expression in Lynch syndrome	PMS2
Nuclear receptor	PR
Protein in prostatic epithelium	PSA
Protein in prostatic epithelium	PSAP
Protein in nerve cells	S100
Smooth muscle cells	SMA
Smooth muscle cells	SMM
Melanocytic cells	SOX10[1]
Granules in neuroendocrine cells	SYNAPTOPHYSIN
Nuclear protein in lung and thyroid	TTF-1
Filament in mesenchymal cells	VIMENTIN
Protein in specific tissues	WT1
Detection of CK19 mRNA expression	OSNA (One stop nucleic acid amplification)

[1]These tests are not yet listed on the departments accredited scope.

[2]These tests are performed on an automated platform not yet listed on accredited scope.

[3]These tests are currently performed externally to ensure service continuity and result safety. ISO accredited suppliers are utilised for this purpose.

Last updated 03/04/25.