



Veterinary Laboratory Services-Immunohistology Submission Form

Please send the sample to: Veterinary Pathology
School of Veterinary Science
University of Liverpool Leahurst Campus
Chester High Road
Neston, CH64 7TE
Tel: 0151 795 6294
Email: vpadmin@liverpool.ac.uk

For Laboratory use only

Case ID No:

Received

Owner Name

Animal Name

Hosp. No.

Species

Age

Breed

Sex

Veterinary Surgeon:

Practice Name & Address:

Clinical information, including anatomical location:

Phone:

Email:

Please indicate below which immunohistological test is required:

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FAST TRACK 48h SERVICE*

CELL PHENOTYPE MARKERS

Lymphoid	1	CD3		Endoc.	29	Synaptophysin	
	2	CD79a			30	Chromogranin A	
	3	CD45R (f)			31	Pan-Cytokeratin (AE1/AE3)	
	4	PAX-5			32	Cytokeratin 7	
	5	CD20			33	High Mol.Weight CK	
	6	MUM-1			34	Low Mol.Weight CK (AE1)	
	7	Iba 1			35	E-Cadherin	
Histiocytic / Myeloid	8	Canine CD18 (c)		Epithelial	36	TTF 1 (Thyroid transcr. fact)	
	9	CD11d (c)					
	10	Myeloid/Histiocyte Ag					
	11	Lysozyme					
	12	MHC II antigen					
Mastcell	13	Myeloperoxidase		Infectious Agents			
	14	Mast cell tryptase					
	15	C-Kit (CD117)		35	Feline Coronavirus (FCoV)		
Mesenchymal	16	DOG1 (Cajal cells)		36	Feline Calicivirus (FCV)		
	17	Vimentin		37	Feline Herpesvirus (FHV)		
	18	Desmin		38	Feline Leukaemia Virus (FeLV)		
	19	Alpha Smooth Actin		39	Fel/Can Parvovirus (FPV/CPV)		
	20	Myogenin		40	Canine Distemper Virus (CDV)		
	21	Factor VIII (blood vessels)		41	Canine Adenovirus 1 (CAV1)		
	22	Lyve -1 (lymphatics) (c)		42	Toxoplasma gondii		
	23	SOX 10 (melanoma) (c)		43	Neospora caninum		
Malanocytic / Neural	24	Melan A (melanoma)		45	Helicobacter spp.		
	25	PNL-2 (melanoma)		46	Entamoeba histolytica		
	26	S-100					
	27	Neurofilament					
	28	GFAP					

(c)=canine (f)=feline : only

* Samples need to be received by 1 pm on the first day and will be reported by 5pm of the third day.
Additional fee in addition to normal charges.

**We receive native fluid and we can perform cell pellet. Samples of fluid can be also received after a pellet is prepared at source, supernatant removed from tube and formalin added (1/10 ratio). The lab does not perform immunocytochemistry on unstained or pre stained cytology slides. Please contact the lab for further information histolab@liverpool.ac.uk

Research and Teaching Statement

"I realise that in submitting this material I agree to its potential use for teaching and/or research by the University"

Full Phenotype PANELS

A	Round Cell Tumour (excluding melanoma) 5 Abs: 1,2 (c)/3(f),6,7,15	
C	Histiocytic Sarcoma vs Sarcoma 3 Abs: 7,8(c),17	
D	GIST vs Leio vs non-GIST/non-Leio 6 Abs: 15, 16,17,18, 19, 26	
E	Lymphoma phenotype 4 Abs: 1,2(c)/3(f),4,5,	
G	Melanoma vs Sarcoma/Carcinoma 5 Abs: 23,24,25,17,31	
H	Angiosarcoma vs Sarcoma 3 Abs (17,21,22)	
I	Other custom panels: please contact us at: vpadmin@liverpool.ac.uk	

Prognostic / Predictive Markers

Oral / Cutaneous Melanoma (c):

Ki-67 ☐ **RED STAIN**

Feline Mammary Carcinoma:

Ki-67 (f) ☐

Dermal/Subcutaneous Mast cell tumour(c):

Ki-67 ☐ & KIT ☐

INTRA-VITAM Diagnosis of FIP

Fixed pellet or Native fluid**

Tumour Cell Pellet Analysis

Fixed pellet or Native fluid**

Markers: Indicate in the list