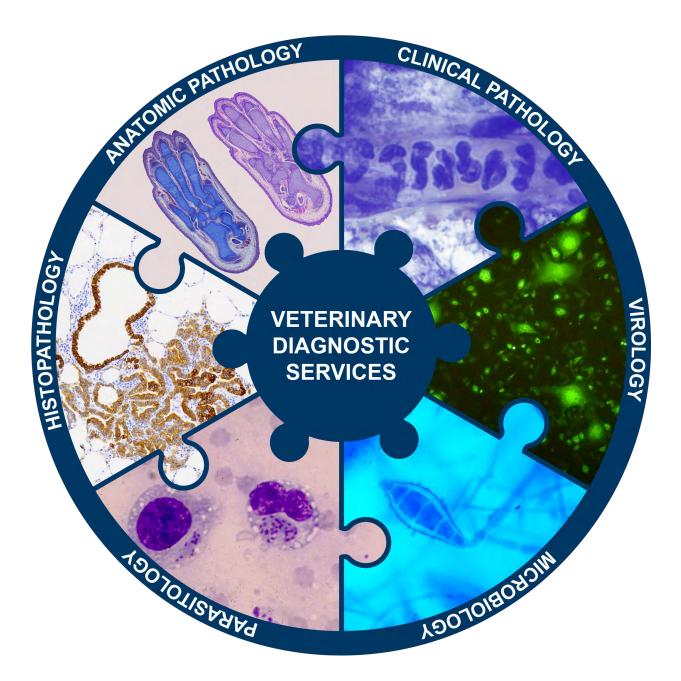


School of Biodiversity, One Health & Veterinary Medicine

# **Veterinary Diagnostic Services**

# Price List | June 2023





School of Biodiversity, One Health & Veterinary Medicine

# **Veterinary Diagnostic Services**

## WHY CHOOSE US?

### **Comprehensive and Expert Laboratory Service**

Veterinary Diagnostic Services are at the School of Biodiversity, One Health & Veterinary Medicine, University of Glasgow:

- We offer a comprehensive service covering all species, together with a wide range of tests.
- We pride ourselves on our personal approach, providing both the level of support and advice that you require.
- Our pathologists and veterinary diagnostic specialists participate in development and educational activities, are cognisant of veterinary and medical literature and liaise closely with on-site clinicians in the small animal, equine and farm animal services.
- Our ongoing development work ensures that you receive the latest diagnostic support.
- We have a wealth of experienced technical staff, who ensure that our tests and our reporting are of the highest quality.

## SAMPLE SUBMISSIONS

To help you in the submission process, we provide:

- FREEPOST address labels for sample submission
- Personalised submission forms available on request
- Competitive pricing

## SAMPLE REPORTING

We will report results in a format convenient for you.

## **OUR SERVICE**

We offer testing in the disciplines of haematology, cytology, biochemistry including endocrine testing, urinalysis, virology, bacteriology, mycology, parasitology, histopathology and post-mortem examinations.

We provide a service to veterinary surgeons in both first opinion and referral practices.

Clinical Pathology	Biochemistry and Haematology	3
Clinical Pathology	Fluid analysis, Cytology, Endocrinology, Urinalysis and Additional Tests.	4
Infectious Diseases	Feline Virology and Profiles	5
Infectious Diseases	Canine Virology and Profiles	6
Infectious Diseases	Bacteriology, Parasitology and Molecular Testing	7
Pathology Biopsy	Biopsy Service, Histopathology, Immunohistochemistry and Infectious Disease Markers	8
Pathology Necropsy	Post Mortem Examination and Disposal Charges	9
Histopathology Research Service	Histology Processing, Immunohistochemistry and Digital Slide Scanning Service	10
Contact Details		11

Legend to photographs in the front page splash image:

Clinical Pathology: Neutrophils in small blood vessel within a lung tumour; May-Grűwald Giemsa stain.

Virology: Feline immunodeficiency virus (FIV) immunofluorescence assay (IFA).

Microbiology: Microsporum canis macroconidia; lactophenol cotton blue stain.

Parasitology: Theileria macroschizont in blood smear.

Histopathology: Ovine pulmonary adenocarcinoma (OPA) in a sheep; anti-cytokeratin immunohistochemistry (IHC).

Anatomic Pathology: Paw from mouse embryo, left: Masson's Trichrome stain, right: H&E stain.



#### **Clinical Pathology Prices June 2023**

Prices are exclusive of VAT. Charity No SC004401

BIOCHEMISTRY (Heparin / Clotted)	PRICE	<b>BIOCHEMISTRY PROFILES</b>
* Full biochemistry profile As Routine plus Glucose (Please Include Fluoride Oxalate sample for Glucose	£40.00	* Liver profile 1 ( <i>Heparin or Clotted</i> ) Total protein, Albumin, Globulin, Alkaline phosphatase, ALT, Bilirubin
* <b>Routine biochemistry profile</b> (Cats and dogs) As <b>Basic</b> plus AST, GGT, Bilirubin, Electrolytes, Calcium, Phosphate, Chol, Trig	£37.00	* Liver profile 2 ( <i>Heparin or Clotted</i> ) As Liver 1 plus GGT, AST, Bile Acids restin postprandial * Pancreatic profile ( <i>Heparin or Clotted</i> )
* <b>Basic biochemistry profile</b> Total Protein, Albumin, Glob, Alk Phos. ALT, Urea, Creatinine	£24.00	<ul> <li>Urea, Creatinine, Triglyceride, Amylase, Lip</li> <li>* Equine profile (<i>Heparin or Clotted</i>)</li> <li>Total Protein, Alb, Glob, Alk Phos, GGT, AS</li> </ul>
Electrolyte profile Sodium, Potassium & Chloride & Na:K Ratio Additional full haematology when included with profiles marked with an asterisk (*)	£18.00 Add £21.00	<ul> <li>TBil/DBil, Urea, Creatinine, Calcium, Phosp</li> <li>* Kidney profile 1 (Heparin / Clotted + Urin Total Protein, Albumin, Globulin, Urea, Crea Phosphate &amp; Urine Specific Gravity</li> </ul>
HAEMATOLOGY (EDTA blood & smears)	PRICE	* Kidney profile 2 as Kidney 1 plus Calcium, Electrolytes, Ch
<b>Full haematology</b> Including smear examination, RBC, Hct, Hb, MCV, MCH, MCHC, RDW, WBC & Differential count, Platelet count	£27.00	* Hyperthyroid cat profile (Heparin or Clou Total Protein, Albumin, Glob, Alk.Phos, ALT * Ruminant profile (Heparin or Clotted)
Coagulation screen (Citrated Blood) PT, KCCT, Fibrinogen	£29.00	Total Prot. Alb, Glob, Alk.Phos, GGT, AST, Bilirubin, Urea, Creatinine, Calcium, Phosph
Blood smear examination only Cytological examination of submitted (air-dried)	£22.00	* <b>Downer cow profile</b> ( <i>Heparin or Clotted</i> ) Calcium, Phosphate, Magnesium, Creatine Urea, BHB
smear including examination for blood parasites <b>CSF profile</b> ( <i>CSF fluid in EDTA/Plain tube</i> ) Cell count, Differential, Cytospin examination and Protein	£32.00	Diabetic monitoring 1 Fructosamine ( <i>Clotted or Heparin</i> ) Glucose ( <i>Fluoride Oxalate</i> ) Diabetic monitoring 2 Canine only Fructosamine ( <i>Clotted or Heparin</i> )
		Glucose (Fluoride Oxalate) Haemoglobin A1c (EDTA) Vitamin B12 and Folate (Clotted) (Canine
		Feline prices on request <b>cTLI combo</b> ( <i>Clotted</i> ) Trypsin-Like Immunoreactivity,Vitamin B12 and Folate <b>Protein profile</b> ( <i>Heparin or Clotted</i> )
		Total Proteins, Albumin, Globulin, A:G ratio

BIOCHEMISTRY PROFILES	PRICE
<b>Liver profile 1</b> ( <i>Heparin or Clotted</i> ) Fotal protein, Albumin, Globulin, Alkaline phosphatase, ALT, Bilirubin	£24.00
<b>Liver profile 2</b> ( <i>Heparin or Clotted</i> ) As Liver 1 plus GGT, AST, Bile Acids resting and postprandial	£33.00
Pancreatic profile ( <i>Heparin or Clotted</i> ) Jrea, Creatinine, Triglyceride, Amylase, Lipase	£27.00
<b>Equine profile</b> ( <i>Heparin or Clotted</i> ) Fotal Protein, Alb, Glob, Alk Phos, GGT, AST, FBil/DBil, Urea, Creatinine, Calcium, Phosphate,	£43.00 with GLU £45.00
<b>Kidney profile 1</b> <i>(Heparin / Clotted + Urine)</i> Total Protein, Albumin, Globulin, Urea, Creatinine, Phosphate & Urine Specific Gravity	£25.00
<b>Kidney profile 2</b> as <b>Kidney 1</b> plus Calcium, Electrolytes, Cholesterol	£30.00
Hyperthyroid cat profile (Heparin or Clotted) Fotal Protein, Albumin, Glob, Alk.Phos, ALT, Urea,	£38.00
Ruminant profile ( <i>Heparin or Clotted</i> ) Fotal Prot. Alb, Glob, Alk.Phos, GGT, AST, GLDH, Bilirubin, Urea, Creatinine, Calcium, Phosphate,	£38.00
<b>Downer cow profile</b> ( <i>Heparin or Clotted</i> ) Calcium, Phosphate, Magnesium, Creatine Kinase, Jrea, BHB	£25.00
Diabetic monitoring 1 Fructosamine ( <i>Clotted or Heparin</i> ) Glucose ( <i>Fluoride Oxalate</i> )	£25.00
Diabetic monitoring 2 Canine only Fructosamine ( <i>Clotted or Heparin</i> ) Glucose <i>(Fluoride Oxalate)</i> Haemoglobin A1c <i>(EDTA)</i>	£44.00
Vitamin B12 and Folate (Clotted) (Canine Only)         Feline prices on request	£45.00
T <b>LI combo</b> <i>(Clotted)</i> Trypsin-Like Immunoreactivity,Vitamin B12 and Folate	£80.00
Protein profile (Heparin or Clotted)	£18.00

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#### **Clinical Pathology Prices June 2023**

Prices are exclusive of VAT. Charity No SC004401

FLUID ANALYSIS	PRICE
Full fluid analysis	
Cell counts, proteins and cytology, inc. cytologists report	£36.00
Fluid proteins	£18.00
Total Protein, Albumin, Globulin, A:G ratio	210.00
Fluid cytology (e.g. lavages)	£32.00
Cell counts, smear exam	
Fluid cholesterol / triglyceride	£17.00
CYTOLOGY	PRICE
<b>FNA cytology (1<sup>st</sup> site) 1-3 slides</b> (Including cytologists report: FNA, Touch Prep or submitted smears (air-dried) <b>Every additional 1-3 slides from 1<sup>st</sup> site</b>	£36.00 £18.00
FNA cytology - additional site(s) 1-3 slides	£18.00
Every additional 1-3 slides	£18.00
ADDITIONAL TESTS	PRICE
Single biochemistry tests, each unless otherwise stated.	£10.00
	£10.00 £17.00
stated. Bile acids - resting, pre or post prandial (each)	£10.00
stated. Bile acids - resting, pre or post prandial (each) ( <i>Clotted or Heparin</i> ) Bile acids - (2x samples) Pre + Post prandial	£10.00
stated. Bile acids - resting, pre or post prandial (each) ( <i>Clotted or Heparin</i> ) Bile acids - (2x samples) Pre + Post prandial ( <i>Clotted or Heparin</i> ) Bile acid stim (x3 samples) Pre stim, 1hr post stim,	£10.00 £17.00 £28.00
stated. Bile acids - resting, pre or post prandial (each) ( <i>Clotted or Heparin</i> ) Bile acids - (2x samples) Pre + Post prandial ( <i>Clotted or Heparin</i> ) Bile acid stim (x3 samples) Pre stim, 1hr post stim, 2hr post stim ( <i>Clotted or Heparin</i> )	£10.00 £17.00 £28.00 £39.00
stated. Bile acids - resting, pre or post prandial (each) ( <i>Clotted or Heparin</i> ) Bile acids - (2x samples) Pre + Post prandial ( <i>Clotted or Heparin</i> ) Bile acid stim (x3 samples) Pre stim, 1hr post stim, 2hr post stim ( <i>Clotted or Heparin</i> ) Troponin ( <i>Clotted</i> )	£10.00 £17.00 £28.00 £39.00 £24.00
stated. Bile acids - resting, pre or post prandial (each) ( <i>Clotted or Heparin</i> ) Bile acids - (2x samples) Pre + Post prandial ( <i>Clotted or Heparin</i> ) Bile acid stim (x3 samples) Pre stim, 1hr post stim, 2hr post stim ( <i>Clotted or Heparin</i> ) Troponin ( <i>Clotted</i> ) Fibrinogen ( <i>Citrated Blood</i> )	£10.00 £17.00 £28.00 £39.00 £24.00 £12.00
stated. Bile acids - resting, pre or post prandial (each) ( <i>Clotted or Heparin</i> ) Bile acids - (2x samples) Pre + Post prandial ( <i>Clotted or Heparin</i> ) Bile acid stim (x3 samples) Pre stim, 1hr post stim, 2hr post stim ( <i>Clotted or Heparin</i> ) Troponin ( <i>Clotted</i> ) Fibrinogen ( <i>Citrated Blood</i> ) Fibrinogen Degradation Products ( <i>Citrated Blood</i> )	£10.00 £17.00 £28.00 £39.00 £24.00 £12.00 £21.00
stated. Bile acids - resting, pre or post prandial (each) ( <i>Clotted or Heparin</i> ) Bile acids - (2x samples) Pre + Post prandial ( <i>Clotted or Heparin</i> ) Bile acid stim (x3 samples) Pre stim, 1hr post stim, 2hr post stim ( <i>Clotted or Heparin</i> ) Troponin ( <i>Clotted</i> ) Fibrinogen ( <i>Citrated Blood</i> ) Fibrinogen Degradation Products ( <i>Citrated Blood</i> ) D-Dimer ( <i>Citrated Blood</i> )	£10.00 £17.00 £28.00 £39.00 £24.00 £21.00 £24.00
stated. Bile acids - resting, pre or post prandial (each) ( <i>Clotted or Heparin</i> ) Bile acids - (2x samples) Pre + Post prandial ( <i>Clotted or Heparin</i> ) Bile acid stim (x3 samples) Pre stim, 1hr post stim, 2hr post stim ( <i>Clotted or Heparin</i> ) Troponin ( <i>Clotted</i> ) Fibrinogen ( <i>Citrated Blood</i> ) Fibrinogen Degradation Products ( <i>Citrated Blood</i> ) D-Dimer ( <i>Citrated Blood</i> ) Reticulocyte count ( <i>EDTA blood</i> )	£10.00 £17.00 £28.00 £39.00 £24.00 £12.00 £21.00 £21.00 £11.00
stated. Bile acids - resting, pre or post prandial (each) ( <i>Clotted or Heparin</i> ) Bile acids - (2x samples) Pre + Post prandial ( <i>Clotted or Heparin</i> ) Bile acid stim (x3 samples) Pre stim, 1hr post stim, 2hr post stim ( <i>Clotted or Heparin</i> ) Troponin ( <i>Clotted</i> ) Fibrinogen ( <i>Citrated Blood</i> ) Fibrinogen Degradation Products ( <i>Citrated Blood</i> ) D-Dimer ( <i>Citrated Blood</i> ) Reticulocyte count ( <i>EDTA blood</i> ) Fructosamine ( <i>Clotted or Heparin</i> )	£10.00 £17.00 £28.00 £39.00 £24.00 £12.00 £21.00 £24.00 £11.00 £20.00
stated. Bile acids - resting, pre or post prandial (each) ( <i>Clotted or Heparin</i> ) Bile acids - (2x samples) Pre + Post prandial ( <i>Clotted or Heparin</i> ) Bile acid stim (x3 samples) Pre stim, 1hr post stim, 2hr post stim ( <i>Clotted or Heparin</i> ) Troponin ( <i>Clotted</i> ) Fibrinogen ( <i>Citrated Blood</i> ) Fibrinogen Degradation Products ( <i>Citrated Blood</i> ) D-Dimer ( <i>Citrated Blood</i> ) Reticulocyte count ( <i>EDTA blood</i> ) Fructosamine ( <i>Clotted or Heparin</i> ) Phenobarbitone ( <i>Clotted – NOT gel</i> )	£10.00 £17.00 £28.00 £39.00 £24.00 £12.00 £21.00 £24.00 £11.00 £20.00 £26.00

ENDROCRINOLOGY (Clotted)	PRICE
T4/canine TSH profile	£40.00
State time if T4 post pill	£40.00
ACTH stimulation test - 2x Cortisol	£38.00
DEX suppression test - 3x Cortisol	£50.00
Cortisol (resting) "One off" test only	£22.00
T4 (state time if post pill)	£25.00
Canine TSH	£33.00
URINALYSIS	PRICE
Full urine analysis	£36.00
Full Urinalysis: Qualitative, quantitative and deposit	£30.00
Deposit examination	
RBC, WBC, epithelial cells, sperm, organisms, cell debris, yeasts & casts	£20.00
Qualitative (dipstick) analysis	
Qualitative protein, glucose, ketones, haemoglobin, pH, specific gravity	£17.00
Quantitative analysis	620.00
Protein, Creatinine, Prot:Creat ratio	£20.00

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#### **Infectious Diseases Prices June 2023**

Prices are exclusive of VAT. Charity No SC004401

FELINE RETROVIRUSES	PRICE
FeLV antigen	
Routine screening test; to confirm an in-clinic	£24.00
positive test request PCR or VI FeLV qPCR	
•	£32.00
To confirm in-clinic positive test FeLV virus isolation	
To confirm in clinic positive test	£32.00
FeLV antigen + virus isolation	£42.00
FeLV antigen + qPCR	£42.00
FeLV antigen + qPCR + virus isolation	£42.00
FIV antibodies (IFA)	200.00
Confirmed by western blot as required	£26.00
FIV antibodies by western blot	£37.00
Feline retrovirus profile	237.00
FeLV antigen and FIV antibodies	£39.50
FeLV, FIV, FCoV	£51.50
FELINE INFECTIOUS PERITONITIS	PRICE
FELINE INFECTIOUS FERITONITIS	FINICE
FIP profile	
	£51.00
FIP profile	
<b>FIP profile</b> FCoV Ab, α1-AGP, A:G, haematology / cytology	£51.00
FIP profile FCoV Ab, α1-AGP, A:G, haematology / cytology FCoV antibodies + α1-AGP	£51.00 £34.00
FIP profile FCoV Ab, α1-AGP, A:G, haematology / cytology FCoV antibodies + α1-AGP FCoV antibodies	£51.00 £34.00 £23.50
FIP profile         FCoV Ab, α1-AGP, A:G, haematology / cytology         FCoV antibodies + α1-AGP         FCoV antibodies         α1-AGP	£51.00 £34.00 £23.50 £19.00 £51.50
FIP profileFCoV Ab, α1-AGP, A:G, haematology / cytologyFCoV antibodies + α1-AGPFCoV antibodiesα1-AGPFCoV antibodies + FCoV RT-qPCR	£51.00 £34.00 £23.50 £19.00
FIP profileFCoV Ab, α1-AGP, A:G, haematology / cytologyFCoV antibodies + α1-AGPFCoV antibodiesα1-AGPFCoV antibodies + FCoV RT-qPCRFCoV RT-qPCR	£51.00 £34.00 £23.50 £19.00 £51.50 £41.00
FIP profileFCoV Ab, α1-AGP, A:G, haematology / cytologyFCoV antibodies + α1-AGPFCoV antibodiesα1-AGPFCoV antibodies + FCoV RT-qPCRFCoV RT-qPCR(Faeces, effusion)	£51.00 £34.00 £23.50 £19.00 £51.50
FIP profileFCoV Ab, α1-AGP, A:G, haematology / cytologyFCoV antibodies + α1-AGPFCoV antibodiesG1-AGPFCoV antibodies + FCoV RT-qPCRFCoV RT-qPCR(Faeces, effusion)FCoV RT-qPCR	£51.00 £34.00 £23.50 £19.00 £51.50 £41.00 £78.00
FIP profileFCoV Ab, α1-AGP, A:G, haematology / cytologyFCoV antibodies + α1-AGPFCoV antibodiesG1-AGPFCoV antibodies + FCoV RT-qPCRFCoV RT-qPCR(Faeces, effusion)FCoV RT-qPCR(Fine needle aspirate, tissue biopsy)	£51.00 £34.00 £23.50 £19.00 £51.50 £41.00
FIP profileFCoV Ab, α1-AGP, A:G, haematology / cytologyFCoV antibodies + α1-AGPFCoV antibodiesα1-AGPFCoV antibodies + FCoV RT-qPCRFCoV RT-qPCR(Faeces, effusion)FCoV RT-qPCR(Fine needle aspirate, tissue biopsy)FIP profile + FCoV RT-qPCR	£51.00 £34.00 £23.50 £19.00 £51.50 £41.00 £78.00
FIP profileFCoV Ab, α1-AGP, A:G, haematology / cytologyFCoV antibodies + α1-AGPFCoV antibodiesα1-AGPFCoV antibodies + FCoV RT-qPCRFCoV RT-qPCR(Faeces, effusion)FCoV RT-qPCR(Fine needle aspirate, tissue biopsy)FIP profile + FCoV RT-qPCR(RT-qPCR on faeces, effusion)	£51.00 £34.00 £23.50 £19.00 £51.50 £41.00 £78.00 £78.00 PRICE
FIP profileFCoV Ab, α1-AGP, A:G, haematology / cytologyFCoV antibodies + α1-AGPFCoV antibodiesG1-AGPFCoV antibodies + FCoV RT-qPCRFCoV RT-qPCR(Faeces, effusion)FCoV RT-qPCR(Fine needle aspirate, tissue biopsy)FIP profile + FCoV RT-qPCR(RT-qPCR on faeces, effusion)OTHER FELINE TESTS	£51.00 £34.00 £23.50 £19.00 £51.50 £41.00 £78.00
FIP profileFCoV Ab, α1-AGP, A:G, haematology / cytologyFCoV antibodies + α1-AGPFCoV antibodiesG1-AGPFCoV antibodies + FCoV RT-qPCRFCoV RT-qPCR(Faeces, effusion)FCoV RT-qPCR(Fine needle aspirate, tissue biopsy)FIP profile + FCoV RT-qPCR(RT-qPCR on faeces, effusion)OTHER FELINE TESTSFCV plaque typing (FCV must be isolated first)	£51.00 £34.00 £23.50 £19.00 £51.50 £41.00 £78.00 £78.00 <b>PRICE</b> £63.00
FIP profileFCoV Ab, α1-AGP, A:G, haematology / cytologyFCoV antibodies + α1-AGPFCoV antibodiesG1-AGPFCoV antibodies + FCoV RT-qPCRFCoV RT-qPCR(Faeces, effusion)FCoV RT-qPCR(Fine needle aspirate, tissue biopsy)FIP profile + FCoV RT-qPCR(RT-qPCR on faeces, effusion)OTHER FELINE TESTSFCV plaque typing (FCV must be isolated first)To distinguish field and vaccine FCV	£51.00 £34.00 £23.50 £19.00 £51.50 £41.00 £78.00 £78.00 PRICE

FELINE RESPIRATORY DISEASE	PRICE
Respiratory virus isolation from swabs	£26.00
Feline herpesvirus, feline calicivirus	220.00
Virus isolation from tissues	
Feline cowpox virus, feline herpesvirus,	£27.00
feline calicivirus	
FHV qPCR	£32.00
Chlamydia felis qPCR	£32.00
Chlamydia felis qPCR + FHV qPCR	£47.50
Respiratory virus isolation + FHV qPCR	£47.50
Respiratory virus isolation + <i>C. felis</i> qPCR	£47.50
Triple respiratory profile	£59.00
Resp. virus isolation, FHV qPCR, C. felis qPCR	259.00
Feline conjunctivitis profile	
FHV qPCR, C. felis qPCR, Mycoplasma culture	£79.00
and <i>M. felis q</i> PCR	
Feline conjunctivitis profile 2	£63.00
FHV qPCR, C. felis qPCR, M. felis qPCR	
OTHER FELINE DISEASE PROFILES	PRICE
Gingivitis profile	£51.50
Resp. virus isolation, FeLV Ag, FIV Ab	
Feline diarrhoea profile	
Bacteriology, parasitology, <b>NOT</b> including	£43.00
Cryptosporidium investigation	
Feline diarrhoea profile plus	6400.00
Diarrhoea profile including <i>Cryptosporidium</i> , FCoV RT-qPCR, <i>Giardia</i> qPCR, <i>T. foetus</i> qPCR	£122.00
Feline Parasitology PCR	
Giardia gPCR & T. foetus gPCR	£59.50
Pyrexic cat profile	
FeLV Ag, FIV Ab, FCoV Ab, haematology, ALP, ALT	£71.00
Feline uveitis profile	
FeLV Ag, FIV Ab, FCoV Ab, Toxoplasma antibodies	£61.00
Feline neurological profile	
FeLV Ag, FIV Ab, FCoV Ab, <i>Toxoplasma</i> antibodies	£61.00
Feline parvovirus profile	0.40
FPV PCR and FPV antibodies	£46.50
Feline parvovirus antibodies (HAI)	£27.00
Feline parvovirus PCR	£32.00
reinie parvovirus FOR	~02.00

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#### **Infectious Diseases Prices June 2023**

Prices are exclusive of VAT. Charity No SC004401

DOES THE DOG NEED A VACCINE	PRICE
CPV, CDV and CAV antibodies	£50.50
DIAGNOSTIC TESTING OF SICK DOGS	PRICE
Canine Parvovirus (CPV) antibodies Submit paired sera in sick vaccinated dogs (£33.00)	£21.50
Canine Parvovirus (CPV) PCR	£32.00
Canine Coronavirus (CCV) antibodies	£23.50
Canine Coronavirus qPCR	£41.00
<b>Canine Parainfluenza virus (CPiV) antibodies</b> Not for demonstrating immunity post vaccination. Submit paired sera in sick vaccinated dogs (£34.00)	£24.00
Canine Parainfluenza virus isolation	£28.00
Canine Adenovirus (CAV) antibodies Specify CAV1 or CAV2 or select both CAV1 & CAV2 in sick vaccinated dogs (£33.00)	£23.00
Canine Adenovirus isolation	£27.00
Canine Herpesvirus (CHV) antibodies Not for demonstrating immunity post vaccination	£23.00
Canine Herpesvirus isolation	£27.00
Canine Distemper virus (CDV) antibodies Submit paired sera in sick vaccinated dogs (£37.00)	£23.00
Canine Adenovirus 1 (CAV1) qPCR	£37.00
Canine Adenovirus 2 (CAV2) qPCR	£37.00
Canine Herpesvirus (CHV) qPCR	£37.00

CANINE DISEASE PROFILES	PRICE
Canine Parvovirus profile CPV PCR & CPV antibodies	£42.00
Canine Diarrhoea profile Bacteriology & parasitology NOT including <i>Cryptosporidium</i> investigation	£43.00
<b>Canine diarrhoea profile plus</b> Canine diarrhoea profile PLUS <i>Giardia</i> PCR, CCV PCR and <i>Cryptosporidium</i> investigation	£96.00
Canine Respiratory Virus isolation from Swabs CPiV, CAV2, CHV	£28.00
Canine Respiratory Virus isolation from Tissue CPiV, CAV2, CHV	£30.00
<b>Canine respiratory profile</b> <i>Bordetella</i> culture, canine respiratory virus isolation, CPiV antibodies	£61.00
Canine blue eye profile CAV1 & CAV2 antibodies	£35.00
<b>Canine neurological profile</b> <i>Neospora caninum</i> and <i>Toxoplasma gondii</i> antibodies	£45.50

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#### **Infectious Diseases Prices June 2023**

Prices are exclusive of VAT. Charity No SC004401

BACTERIOLOGY & MYCOLOGY	PRICE
Full culture and sensitivity Aerobic / anaerobic culture as required	£30.00
Enrichment culture and sensitivity (Blood, joint fluid, CSF)	£37.00
Gram / Modified Ziehl Neelsen stain	£12.50
<i>Campylobacter</i> check Identification available please contact the lab	£16.50
Fungal culture including Dermatophytes	£23.50
Mycoplasma culture and M. felis real-time qPCR	£44.50
Mycoplasma culture	£27.00
<i>Bordetella bronchiseptica</i> Culture and sensitivity	£27.00
*Minimum Inhibitory Concentration (MIC) and sensitivity	£59.00
PARASITOLOGY	PRICE
Toxoplasma gondii antibodies IgG and/or IgM	£22.00
Neospora caninum antibodies IgG and/or IgM	£32.00
Giardia lamblia qPCR	£37.00
Tritrichomonas foetus qPCR	£37.00
Protozoan screen	£14.50
Cryptosporidium spp.	£14.50
Aelurostronglyus abstrusus / Angiostrongylus vasorum	£14.50
Nematode & cestode egg screen	£14.50
Ectoparasite screen (Skin scrape)	£14.50
Feline / Canine parasitology faecal screen Nematodes, cestodes, protozoa, <i>Cryptosporidium</i> spp.	£37.00
<b>Toxoplasma gondii antibodies</b> (Total Ig and/or IgG) For non-domestic felids, non-domestic canids and other mammalian species (please enquire to check suitability for specific species)	) £22.00

OTHER MOLECULAR TESTING	PRICE
<i>Bordetella bronchiseptica</i> PCR Feline and Canine	£32.00
<i>Mycoplasma cynos or canis</i> PCR (Canine) ( <i>BAL, tracheal washes</i> )	£32.00
Pan- <i>Mycoplasma</i> spp. PCR Not for routine screening – please contact to discuss	£32.00
Pan- <i>Mycoplasma</i> spp. PCR and amplicon sequencing Not for routine screening – please contact to discuss	£60.00
Encephalitozoon cuniculi PCR (Rabbit)	£32.00
Ferret Coronavirus RT-PCR	£32.00
C. perfringens cpe toxin PCR (All species)	£32.00
<b>Feline Poxvirus qPCR</b> (Cowpox) Samples from other mammalian species can also be tested	£37.00
* <sup>+</sup> Canine Distemper (CDV) qPCR	£52.50
* * Toxoplasma gondii qPCR (Feline and Canine)	£52.50
* <b>† Neospora caninum</b> qPCR (Canine)	£52.50
*Leptospira spp. qPCR (All species)	£85.50
<ul> <li>* Indicates test sent to an external laboratory.</li> <li>* Indicates discount available for multiple PCR tests from the same sample.</li> </ul>	

from the same sample

Tel: +44 (0)141 330 5777 | Website: www.gla.ac.uk/vds Email: vds@glasgow.ac.uk | Clinical Enquiries: vet-id@glasgow.ac.uk



#### Pathology Prices June 2023

Prices are exclusive of VAT. Charity No SC004401

HISTOPATHOLOGY	/ BIOPSY SERVICE	PRICE
1-3 slides stained with	h H&E - including GI up to 3 sites	£53.00
4-6 slides stained with	h H&E	£78.00
Additional H&E slides	s - per slide	£11.00
Special stains - PAS, 2	ZN, Gram (per stain) Standard / Complex	£11.50 / £16.50
Equine liver biopsy - H	H&E, Perls' Prussian Blue, Masson`s Trichrome	£63.00
Canine liver biopsy -	H&E, Rhodanine, Masson`s Trichrome	£63.00
pulmonary lobectomy s	<b>en submissions</b> - amputated leg, entire spleen, large hepatic or pecimens etc. t and trim an adequate number of samples for histopathological	<b>£130.00</b> (includes up to 5 slides; additional slides charged as below)
	Up to 2 blocks	£60.00
interpretation (second opinion)	3-4 blocks	£75.00

Up to 2 special stains can be included in the assessment without additional charge at the discretion of the veterinary pathologist. The pathologist can advise for immunohistochemical investigations which come at an extra-charge as per prices detailed below.

PMEs in a pot (samples collected at PM examination by the referring vet)	PRICE
2-3 tissues	£53.00
4-6 tissues	£83.00
7-10 tissues	£153.00
IMMUNOHISTOCHEMISTRY (IHC) Cost per block, including interpretation	PRICE
Single antibody (with control)	£50.00
Additional antibodies	£30.00 each
Additional slides using same antibody	£20.00 each

A wide range of antibodies are available. Pathologists will suggest the most relevant antibodies dependent on H&E findings. If you wish to request specific antibodies, please email the laboratory (vet-histology@glasgow.ac.uk) to check availability.

INFECTIOUS DISEASE	MARKERS Cost per block, including interpretation	PRICE
Feline coronavirus	May be of value in cases of suspected feline infectious peritonitis	£50.00
Toxoplasma gondii	Can be applied to a wide range of species	£50.00
Pneumocystis carinii	Cross-reacts with canine Pneumocystis spp	£50.00

We offer a specialised immunohistochemistry service for research including optimisation of custom antibodies and are continually updating our range of antibodies. Please contact us to discuss your specific requirements.

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#### **Diagnostic Post-Mortem Prices June 2023**

Prices are exclusive of VAT. Charity No SC004401

#### **POST-MORTEM EXAMINATION**

Each post-mortem examination includes the gross post mortem examination and histopathology. Additional slides, special stains, and IHCs will be charged as above. Unless undergoing private cremation, animals will be charged additionally for disposal (see below).

Rodent (mouse, rat, hamster, guinea pig, gerbil)	£70.00
Poultry, Rabbit, Bird	£80.00
Exotic Species (reptiles), Fish, Ferret	£120.00
Canine / Feline neonatal death (up to 3 weeks, please state DOB on submission form: (virology and bacteriology included) - up to 2 pups / kittens	£150.00
<b>Canine / Feline neonatal death</b> (up to 3 weeks, please state DOB on submission form: (virology and bacteriology included) - more than 2 pups / kittens	£210.00
Cat	£250.00
Dog	£280.00
Sheep, Goat, Pig, Camelid	£150.00
Cattle	£250.00
<b>Equine Abortion Package</b> (up to 1 day old, please state DOB on submission form). Submit foetus and whole placenta (when available). Select virology and bacteriology included.	£260.00
Horse	£400.00
Complete examination of spinal cord	£150.00 extra
Legal cases	£250.00 extra
Court appearances and preparation	£160.00 / hour

#### **DISPOSAL CHARGES**

All animals received into the post-mortem room will be charged for disposal, regardless of whether a post-mortem examination is performed unless and private cremation is arranged with the submitting veterinary practice/hospital.

1kg to 6 kg	£30.00
6kg to 30kg	£60.00
30kg to 100kg	£85.00
100kg to 200kg	£120.00
Greater than 200kg	£200.00

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### Histology Processing Prices June 2023

Histology Research Service

Prices are exclusive of VAT. Charity No SC004401

HISTOLOGY PROCESSING	Per Slide/Block
Processing to Paraffin Block and Produce Haematoxylin & Eosin Stained Slide	£10.00
Processing to Paraffin Block and Unstained Slide	£8.00* / £9.00 <sup>Ŧ</sup>
Processing to Paraffin Block	£6.00
Processing to Paraffin Block and Special Stain (Standard / Complex)	£15.00 / 18.50
Prepare Unstained Slide	$£4.00^* / £5.00^{T}$
Prepare Slide and Stain with Haematoxylin & Eosin	£6.00
Prepare Slide and Stain with Standard Special Stain	£10.50
Prepare Slide and Stain with Complex Special Stain	£14.50
Paraffin Scroll for Polymerase Chain Reaction	£5.00

Depending on tissue type and size we may be able to produce blocks with multiple tissues embedded. \*2-3 sections per slide, per block depending on sample size. <sup>\*</sup>Please contact the lab for details.

Please contact the lab with any specific questions.

IMMUNOHISTOCHEMISTRY (IHC)	Per Antibody
Prepare Slide and Stain with Antibody provided by VDS	£19.00
Prepare Slide and Stain with Antibody supplied to us	£16.50
Prepare Unstained Slide for IHC / IF (Antigen Retrieval can be performed in our lab)	£4.00* / £5.00 <sup>∓</sup>
New Antibody Optimisation	£160.00

We offer a specialised immunohistochemistry service for research including optimisation of custom antibodies. We are continually updating our range of antibodies. Please contact us to discuss your specific requirements.

DIGITAL WHOLE SLIDE SCANNING	Per Slide
Whole Slide Scanning at x20 Magnification	£2.00
Whole Slide Scanning at x40 Magnification	£3.00
Whole Slide Scanning at x80 Magnification	£5.00

We offer a whole slide scanning service at a magnification to suit your needs.

We use a MoticEasyScan Infinity for slide scanning, producing a SVS file type which is compatible with Aperio ImageScope,(Windows compatible only) & QuPath for Mac users to view and annotate slides.

Scanned slide files can be sent via our University File Transfer System, One Drive or copied onto a client-provided External HDD.

Tel: +44 (0)141 330 6933 | Website: www.gla.ac.uk/histology

Email: vet-histology@glasgow.ac.uk



#### **Contact Details**

Prices are exclusive of VAT. Charity No SC004401

TELEPHONE	
General Enquiries	+44 (0)141 330 5777
Clinical Pathology	+44 (0)141 330 5777 / 6915
Infectious Diseases	+44 (0)141 330 5777
Histopathology / Biopsy Service	+44 (0)141 330 5777
Post Mortem Service	+44 (0)141 330 5777
Histopathology Research Service	+44 (0)141 330 6933

## EMAIL

General Enquiries	vds@glasgow.ac.uk
Clinical Pathology (General and clinical enquiries)	vet-clinpath@glasgow.ac.uk
Infectious Disease (Clinical enquiries only)	vet-id@glasgow.ac.uk
Histopathology / Biopsy Service	vds@glasgow.ac.uk
Post Mortem Service	vet-pathology@glasgow.ac.uk
Histopathology Research Service	vet-histology@glasgow.ac.uk

## **POSTAL ADDRESS**

### **Veterinary Diagnostic Services**

School of Biodiversity, One Health & Veterinary Medicine,

College of Medical, Veterinary and Life Sciences,

University of Glasgow,

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